ATTACHMENT B

SUMMARY OF GROUND WATER MONITORING DATA

(2003 TO 2004)

CHELSEA SANDWICH, LLC

NPDES PERMIT NO. MA0003280

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
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MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Tighe & Bond

Address: 4 Barlows Landing Road

Pocasset, MA 02559

Attn: Mr. Rich Geisler

Project Number: W-33494-01

Site: GLOBAL CHELSEA

Laboratory Job Number: L0311850

Date Received: 19-NOV-2003

Date Reported: 21-NOV-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0311850-01	INFLUENT	CHELSEA TERMINAL
L0311850-02	EFFLUENT	CHELSEA TERMINAL
L0311850-03	BLANK	CHELSEA TERMINAL

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: James Todaro
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311850-01
INFLUENT
Sample Matrix: WATER

Date Collected: 19-NOV-2003 12:25
Date Received : 19-NOV-2003
Date Reported : 21-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Turbidity	90.	NTU	0.20	30 2130B		1119 19:00	LK
Color, Apparent	180	A.P.C.U.	50.	30 2120B		1119 19:00	LK
Solids, Total Suspended	30.	mg/l	5.0	30 2540D		1120 11:40	DT
Volatile Organics by GC/MS 8260				1 8260B		1120 09:41	BT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	23.	ug/l	0.50				
Toluene	1.6	ug/l	0.75				
Ethylbenzene	1.0	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311850-01
INFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1 8260B		1120 09:41	BT
p/m-Xylene	7.0	ug/l	0.50				
o-Xylene	1.8	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.5				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	1.8	ug/l	0.50				
sec-Butylbenzene	1.8	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	6.9	ug/l	0.50				
p-Isopropyltoluene	0.70	ug/l	0.50				
Naphthalene	8.2	ug/l	2.5				
n-Propylbenzene	4.2	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	5.8	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	97.0	%	
Toluene-d8	110.	%	
4-Bromofluorobenzene	108.	%	
Dibromofluoromethane	94.0	%	

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311850-02
EFFLUENT
Sample Matrix: WATER

Date Collected: 19-NOV-2003 12:30
Date Received : 19-NOV-2003
Date Reported : 21-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 2-Plastic,2-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Turbidity	0.24	NTU	0.20	30 2130B		1119 19:00	LK
Color, Apparent	6.0	A.P.C.U.	5.0	30 2120B		1119 19:00	LK
Solids, Total Suspended	ND	mg/l	5.0	30 2540D		1120 11:40	DT
Volatile Organics by GC/MS 8260				1 8260B		1120 11:14	BT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311850-02
EFFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1 8260B		1120 11:14 BT	
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.5				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	103.	%	
Toluene-d8	101.	%	
4-Bromofluorobenzene	94.0	%	
Dibromofluoromethane	103.	%	

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311850-03
BLANK
Sample Matrix: WATER

Date Collected: 19-NOV-2003 09:50
Date Received : 19-NOV-2003
Date Reported : 21-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 1-Vial

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260				1 8260B		1120 12:01	BT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311850-03
BLANK

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Volatile Organics by GC/MS 8260 continued				1 8260B		1120 12:01	BT
1,2,3-Trichloropropane	ND	ug/l	5.0				
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.5				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	104.	%	
Toluene-d8	99.0	%	
4-Bromofluorobenzene	96.0	%	
Dibromofluoromethane	107.	%	

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0311850

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Turbidity for sample(s) 01-02 (L0311850-01, WG156946)					
Turbidity	90.	90.	NTU	0	
Color, Apparent for sample(s) 01-02 (L0311850-01, WG156860)					
Color, Apparent	180	180	A.P.C.U.	0	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0311850

Parameter	% Recovery	QC Criteria
Turbidity LCS for sample(s) 01-02 (WG156946)		
Turbidity	103	
Volatile Organics by GC/MS 8260 LCS for sample(s) 01-03 (WG156417)		
Chlorobenzene	103	
Benzene	103	
Toluene	107	
1,1-Dichloroethene	85	
Trichloroethene	94	
Surrogate(s)		
1,2-Dichloroethane-d4	106	
Toluene-d8	110	
4-Bromofluorobenzene	97	
Dibromofluoromethane	109	

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0311850

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
Volatile Organics by GC/MS 8260 for sample(s) 01-03 (L0311578-01, WG1564171)					
Chlorobenzene	111	112	1		
Benzene	100	102	2		
Toluene	108	110	2		
1,1-Dichloroethene	89	93	4		
Trichloroethene	98	102	4		
Surrogate(s)					
1,2-Dichloroethane-d4	104	106	2		
Toluene-d8	97	99	2		
4-Bromofluorobenzene	74	76	3		
Dibromofluoromethane	104	106	2		

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0311850

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-02 (WG156946-1)							
Turbidity	ND	NTU	0.20	30 2130B		1119 19:00	LK
Blank Analysis for sample(s) 01-02 (WG156842-1)							
Solids, Total Suspended	ND	mg/l	5.0	30 2540D		1120 11:40	DT
Blank Analysis for sample(s) 01-03 (WG156417-10)							
Volatile Organics by GC/MS 8260				1 8260B		1120 08:54	BT
Methylene chloride	ND	ug/l	5.0				
1,1-Dichloroethane	ND	ug/l	0.75				
Chloroform	ND	ug/l	0.75				
Carbon tetrachloride	ND	ug/l	0.50				
1,2-Dichloropropane	ND	ug/l	1.8				
Dibromochloromethane	ND	ug/l	0.50				
1,1,2-Trichloroethane	ND	ug/l	0.75				
Tetrachloroethene	ND	ug/l	0.50				
Chlorobenzene	ND	ug/l	0.50				
Trichlorofluoromethane	ND	ug/l	2.5				
1,2-Dichloroethane	ND	ug/l	0.50				
1,1,1-Trichloroethane	ND	ug/l	0.50				
Bromodichloromethane	ND	ug/l	0.50				
trans-1,3-Dichloropropene	ND	ug/l	0.50				
cis-1,3-Dichloropropene	ND	ug/l	0.50				
1,1-Dichloropropene	ND	ug/l	2.5				
Bromoform	ND	ug/l	2.0				
1,1,2,2-Tetrachloroethane	ND	ug/l	0.50				
Benzene	ND	ug/l	0.50				
Toluene	ND	ug/l	0.75				
Ethylbenzene	ND	ug/l	0.50				
Chloromethane	ND	ug/l	2.5				
Bromomethane	ND	ug/l	1.0				
Vinyl chloride	ND	ug/l	1.0				
Chloroethane	ND	ug/l	1.0				
1,1-Dichloroethene	ND	ug/l	0.50				
trans-1,2-Dichloroethene	ND	ug/l	0.75				
Trichloroethene	ND	ug/l	0.50				
1,2-Dichlorobenzene	ND	ug/l	2.5				
1,3-Dichlorobenzene	ND	ug/l	2.5				
1,4-Dichlorobenzene	ND	ug/l	2.5				
Methyl tert butyl ether	ND	ug/l	1.0				
p/m-Xylene	ND	ug/l	0.50				
o-Xylene	ND	ug/l	0.50				
cis-1,2-Dichloroethene	ND	ug/l	0.50				
Dibromomethane	ND	ug/l	5.0				
1,4-Dichlorobutane	ND	ug/l	5.0				
Iodomethane	ND	ug/l	5.0				
1,2,3-Trichloropropane	ND	ug/l	5.0				

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0311850

Continued

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-03 (WG156417-10)							
Volatile Organics by GC/MS 8260 continued				1, 8260B		1120 08:54 BT	
Styrene	ND	ug/l	0.50				
Dichlorodifluoromethane	ND	ug/l	5.0				
Acetone	ND	ug/l	5.0				
Carbon disulfide	ND	ug/l	5.0				
2-Butanone	ND	ug/l	5.0				
Vinyl acetate	ND	ug/l	5.0				
4-Methyl-2-pentanone	ND	ug/l	5.0				
2-Hexanone	ND	ug/l	5.0				
Ethyl methacrylate	ND	ug/l	5.0				
Acrolein	ND	ug/l	12.				
Acrylonitrile	ND	ug/l	5.0				
Bromochloromethane	ND	ug/l	2.5				
Tetrahydrofuran	ND	ug/l	10.				
2,2-Dichloropropane	ND	ug/l	2.5				
1,2-Dibromoethane	ND	ug/l	2.5				
1,3-Dichloropropane	ND	ug/l	2.5				
1,1,1,2-Tetrachloroethane	ND	ug/l	0.50				
Bromobenzene	ND	ug/l	2.5				
n-Butylbenzene	ND	ug/l	0.50				
sec-Butylbenzene	ND	ug/l	0.50				
tert-Butylbenzene	ND	ug/l	2.5				
o-Chlorotoluene	ND	ug/l	2.5				
p-Chlorotoluene	ND	ug/l	2.5				
1,2-Dibromo-3-chloropropane	ND	ug/l	2.5				
Hexachlorobutadiene	ND	ug/l	1.0				
Isopropylbenzene	ND	ug/l	0.50				
p-Isopropyltoluene	ND	ug/l	0.50				
Naphthalene	ND	ug/l	2.5				
n-Propylbenzene	ND	ug/l	0.50				
1,2,3-Trichlorobenzene	ND	ug/l	2.5				
1,2,4-Trichlorobenzene	ND	ug/l	2.5				
1,3,5-Trimethylbenzene	ND	ug/l	2.5				
1,2,4-Trimethylbenzene	ND	ug/l	2.5				
trans-1,4-Dichloro-2-butene	ND	ug/l	2.5				
Ethyl ether	ND	ug/l	2.5				

Surrogate(s)	Recovery		QC Criteria
1,2-Dichloroethane-d4	112.	%	
Toluene-d8	99.0	%	
4-Bromofluorobenzene	92.0	%	
Dibromofluoromethane	119.	%	

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

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

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 11/19/03

ALPHA Job #: L0311

ALPHA
Eight Walkup Drive Westborough, MA 01581
TEL: 508-898-9220 FAX: 508-898-9193

Client Information

Client: Tighe & Bond
Address: 4 Barlows Landing Rd
Pocasset MA 02559
Phone: 508-564-7285
Fax:
Email: RFeeisler@TigheBond.com
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Global Chelsea
Project Location: Chelsea Terminal
Project #: W-33494-01
Project Manager: Rich Grister
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 11/21/03 Time: Fri PM.

Report Information - Data Deliverables

☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client Info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are Drinking Water Samples Submitted?
☐ Yes ☐ No Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TPH 8100	PAHs 8270	VOCs 8260	TSS	Color	Turbidity	Sample Specific Comments
L0311850.1	Influent	11/19/03	1225	Water	[illegible]	✓	✓	✓	✓	✓	✓	
.2	Effluent	11/19/03	1230	Water	[illegible]	✓	✓	✓	✓	✓	✓	
.3	Blank	11/19/03	0950	Lab water	[illegible]			✓				

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP ?

Container Type												
Preservative												

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	11/19/03 1245	[illegible]	11/19 1213
[illegible]	11/19 1715	[illegible]	11/19/03 1715

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time will not start until any ambiguities are resolved. All samples submitted subject to Alpha's Payment Terms. See reverse side.

ALPHA ANALYTICAL LABORATORIES

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Tighe & Bond

Address: 4 Barlows Landing Road
Pocasset, MA 02559

Attn: Mr. Rich Geisler

Project Number: W-33494-01

Site: GLOBAL CHELSEA

Laboratory Job Number: L0311852

Date Received: 19-NOV-2003

Date Reported: 24-NOV-2003

Delivery Method: Alpha

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0311852-01	INFLUENT	CHELSEA TERMINAL
L0311852-02	EFFLUENT	CHELSEA TERMINAL

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Scott McLean
This document electronically signed

ALPHA ANALYTICAL LABORATORIES
NARRATIVE REPORT

Laboratory Job Number: L0311852

PAH

L0311852-01 has elevated limits of detection due to the 10x dilution required by the elevated concentrations of target compounds in the sample.

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311852-01
Sample Matrix: INFLUENT WATER

Date Collected: 19-NOV-2003 12:25
Date Received : 19-NOV-2003
Date Reported : 24-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 4-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
PAH by GC/MS SIM 8270M				1 8270C-M	1120 18:20	1122 03:58	HL
Acenaphthene	26.	ug/l	2.0				
2-Chloronaphthalene	ND	ug/l	2.0				
Fluoranthene	6.3	ug/l	2.0				
Naphthalene	2.1	ug/l	2.0				
Benzo(a)anthracene	ND	ug/l	2.0				
Benzo(a)pyrene	ND	ug/l	2.0				
Benzo(b)fluoranthene	ND	ug/l	2.0				
Benzo(k)fluoranthene	ND	ug/l	2.0				
Chrysene	ND	ug/l	2.0				
Acenaphthylene	ND	ug/l	2.0				
Anthracene	5.8	ug/l	2.0				
Benzo(ghi)perylene	ND	ug/l	2.0				
Fluorene	13.	ug/l	2.0				
Phenanthrene	12.	ug/l	2.0				
Dibenzo(a,h)anthracene	ND	ug/l	2.0				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	2.0				
Pyrene	4.7	ug/l	2.0				
1-Methylnaphthalene	68.	ug/l	2.0				
2-Methylnaphthalene	5.7	ug/l	2.0				
Perylene	ND	ug/l	2.0				
Biphenyl	ND	ug/l	2.0				
Benzo(e)Pyrene	ND	ug/l	2.0				
Surrogate(s)	Recovery		QC Criteria				
Nitrobenzene-d5	60.0	%	23-120				
2-Fluorobiphenyl	76.0	%	43-120				
4-Terphenyl-d14	85.0	%	33-120				
Hydrocarbon Scan by GC 8100M				1 8100M	1120 09:00	1121 03:27	JB
Mineral Spirits	ND	mg/l	0.10				
Gasoline	ND	mg/l	0.10				
Fuel Oil #2/Diesel	ND	mg/l	0.10				
Fuel Oil #4	ND	mg/l	0.10				
Fuel Oil #6	ND	mg/l	0.10				
Motor Oil	ND	mg/l	0.10				
Kerosene	ND	mg/l	0.10				
Transformer Oil	ND	mg/l	0.10				
Unknown Hydrocarbon	5.1	mg/l	0.10				

Comments: Complete list of References and Glossary of Terms found in Addendum I

CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311852-01
INFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Hydrocarbon Scan by GC 8100M continued				1 8100M	1120 09:00	1121 03:27	JB
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	81.0	%	40-140				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

MA:M-MA086 NH:200301-A CT:PH-0574 ME:MA086 RI:65 NY:11148 NJ:MA935 Army:USACE

Laboratory Sample Number: L0311852-02
EFFLUENT
Sample Matrix: WATER

Date Collected: 19-NOV-2003 12:30
Date Received : 19-NOV-2003
Date Reported : 24-NOV-2003

Condition of Sample: Satisfactory

Field Prep: None

Number & Type of Containers: 4-Amber

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
PAH by GC/MS SIM 8270M				1 8270C-M	1120 18:20	1122 03:14	HL
Acenaphthene	ND	ug/l	0.20				
2-Chloronaphthalene	ND	ug/l	0.20				
Fluoranthene	ND	ug/l	0.20				
Naphthalene	ND	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Surrogate(s)	Recovery		QC Criteria				
Nitrobenzene-d5	49.0	%	23-120				
2-Fluorobiphenyl	49.0	%	43-120				
4-Terphenyl-d14	87.0	%	33-120				
Hydrocarbon Scan by GC 8100M				1 8100M	1120 09:00	1121 04:31	JB
Mineral Spirits	ND	mg/l	0.10				
Gasoline	ND	mg/l	0.10				
Fuel Oil #2/Diesel	ND	mg/l	0.10				
Fuel Oil #4	ND	mg/l	0.10				
Fuel Oil #6	ND	mg/l	0.10				
Motor Oil	ND	mg/l	0.10				
Kerosene	ND	mg/l	0.10				
Transformer Oil	ND	mg/l	0.10				
Unknown Hydrocarbon	ND	mg/l	0.10				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
CERTIFICATE OF ANALYSIS

Laboratory Sample Number: L0311852-02
EFFLUENT

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Hydrocarbon Scan by GC 8100M continued				1 8100M	1120 09:00	1121 04:31	JB
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	87.0	%	40-140				

Comments: Complete list of References and Glossary of Terms found in Addendum I

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH DUPLICATE ANALYSIS

Laboratory Job Number: L0311852

Parameter	Value 1	Value 2	Units	RPD	RPD Limits
Hydrocarbon Scan by GC 8100M for sample(s) 01-02 (L0311852-02, WG156967)					
Mineral Spirits	ND	ND	mg/l	NC	40
Gasoline	ND	ND	mg/l	NC	40
Fuel Oil #2/Diesel	ND	ND	mg/l	NC	40
Fuel Oil #4	ND	ND	mg/l	NC	40
Fuel Oil #6	ND	ND	mg/l	NC	40
Motor Oil	ND	ND	mg/l	NC	40
Kerosene	ND	ND	mg/l	NC	40
Transformer Oil	ND	ND	mg/l	NC	40
Unknown Hydrocarbon	ND	ND	mg/l	NC	40
Surrogate(s)	Recovery				QC Criteria
o-Terphenyl	87.0	98.0	%	12	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH SPIKE ANALYSES

Laboratory Job Number: L0311852

Parameter	% Recovery	QC Criteria
PAH by GC/MS SIM 8270M LCS for sample(s) 01-02 (WG157028)		
Acenaphthene	68	46-118
2-Chloronaphthalene	63	
Fluoranthene	86	
Anthracene	57	
Pyrene	89	26-127
Surrogate(s)		
Nitrobenzene-d5	71	23-120
2-Fluorobiphenyl	64	43-120
4-Terphenyl-d14	78	33-120
Hydrocarbon Scan by GC 8100M LCS for sample(s) 01-02 (WG156967)		
Petroleum Spike	105	40-140
Surrogate(s)		
o-Terphenyl	100	40-140

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH MS/MSD ANALYSIS

Laboratory Job Number: L0311852

Parameter	MS %	MSD %	RPD	RPD Limit	MS/MSD Limits
PAH by GC/MS SIM 8270M for sample(s) 01-02 (L0311852-02, WG157028)					
Acenaphthene	63	54	15	40	46-118
2-Chloronaphthalene	59	54	9	40	
Fluoranthene	86	81	6	40	
Anthracene	59	54	9	40	
Pyrene	90	81	11	40	26-127
Surrogate(s)					
Nitrobenzene-d5	56	58	4		23-120
2-Fluorobiphenyl	60	52	14		43-120
4-Terphenyl-d14	77	71	8		33-120

ALPHA ANALYTICAL LABORATORIES
QUALITY ASSURANCE BATCH BLANK ANALYSIS

Laboratory Job Number: L0311852

PARAMETER	RESULT	UNITS	RDL	REF METHOD	DATE PREP	DATE ANAL	ID
Blank Analysis for sample(s) 01-02 (WG157028-1)							
PAH by GC/MS SIM 8270M				1 8270C-M	1120 18:20	1122 00:18	HL
Acenaphthene	ND	ug/l	0.20				
2-Chloronaphthalene	ND	ug/l	0.20				
Fluoranthene	ND	ug/l	0.20				
Naphthalene	ND	ug/l	0.20				
Benzo(a)anthracene	ND	ug/l	0.20				
Benzo(a)pyrene	ND	ug/l	0.20				
Benzo(b)fluoranthene	ND	ug/l	0.20				
Benzo(k)fluoranthene	ND	ug/l	0.20				
Chrysene	ND	ug/l	0.20				
Acenaphthylene	ND	ug/l	0.20				
Anthracene	ND	ug/l	0.20				
Benzo(ghi)perylene	ND	ug/l	0.20				
Fluorene	ND	ug/l	0.20				
Phenanthrene	ND	ug/l	0.20				
Dibenzo(a,h)anthracene	ND	ug/l	0.20				
Indeno(1,2,3-cd)Pyrene	ND	ug/l	0.20				
Pyrene	ND	ug/l	0.20				
1-Methylnaphthalene	ND	ug/l	0.20				
2-Methylnaphthalene	ND	ug/l	0.20				
Perylene	ND	ug/l	0.20				
Biphenyl	ND	ug/l	0.20				
Benzo(e)Pyrene	ND	ug/l	0.20				
Surrogate(s)	Recovery		QC Criteria				
Nitrobenzene-d5	66.0	%	23-120				
2-Fluorobiphenyl	67.0	%	43-120				
4-Terphenyl-d14	83.0	%	33-120				
Blank Analysis for sample(s) 01-02 (WG156967-1)							
Hydrocarbon Scan by GC 8100M				1 8100M	1120 09:00	1120 22:10	JB
Mineral Spirits	ND	mg/l	0.10				
Gasoline	ND	mg/l	0.10				
Fuel Oil #2/Diesel	ND	mg/l	0.10				
Fuel Oil #4	ND	mg/l	0.10				
Fuel Oil #6	ND	mg/l	0.10				
Motor Oil	ND	mg/l	0.10				
Kerosene	ND	mg/l	0.10				
Transformer Oil	ND	mg/l	0.10				
Unknown Hydrocarbon	ND	mg/l	0.10				
Surrogate(s)	Recovery		QC Criteria				
o-Terphenyl	103.	%	40-140				

REFERENCES

1. Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

GLOSSARY OF TERMS AND SYMBOLS

REF Reference number in which test method may be found.
METHOD Method number by which analysis was performed.
ID Initials of the analyst.
ND Not detected in comparison to the reported detection limit.

Please note that all solid samples are reported on dry weight basis unless noted otherwise.

LIMITATION OF LIABILITIES

Alpha Analytical, Inc. performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical, Inc., shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical, Inc. be held liable for any incidental consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical, Inc.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding times and splitting of samples in the field.

CHAIN OF CUSTODY

PAGE 1 OF 1

Date Rec'd in Lab: 11/19/03

ALPHA Job #: L-311852

ALPHA
Walkup Drive Westborough, MA 01581
508-898-9220 FAX: 508-898-9193

Client Information

Tighe & Bond
4 Barlows Landing Rd
Pocasset MA 02559
508-564-7285
RReisler@TigheBond.com

These samples have been previously analyzed by Alpha

Project Information

Project Name: Global Chelsea
Project Location: Chelsea Terminal
Project #: W-33494-01
Project Manager: Rich Grister
ALPHA Quote #:

Turn-Around Time

☐ Standard ☒ RUSH (only confirmed if pre-approved!)
Date Due: 11/21/03 Fri PM. Time:

Report Information - Data Deliverables

☒ FAX ☒ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MCP PRESUMPTIVE CERTAINTY - THESE QUESTIONS MUST BE ANSWERED

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Are Drinking Water Samples Submitted?
☐ Yes ☐ No Have you met minimum field QC requirements?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	TPH 8100	PAHs 8270	VOCs 8260	TSS	Color	Turbidity	Sample Specific Comments	TOTAL # BOTTLES
311852-1	Influent	11/19/03	1225	Water	[illegible]	✓	✓	✓	✓	✓	✓		
2	Effluent	11/19/03	1230	Water	[illegible]	✓	✓	✓	✓	✓	✓		
3	Blank	11/19/03	0950	Water	[illegible]			✓					

Container Type
Preservative

QUESTIONS ABOVE MUST BE ANSWERED FOR PRESUMPTIVE CERTAINTY

IS YOUR PROJECT MCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[illegible]	11/19/03 1245	[illegible]	11/19/03 1245
[illegible]	11/19/03 1215	[illegible]	11/19/03 1215

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.