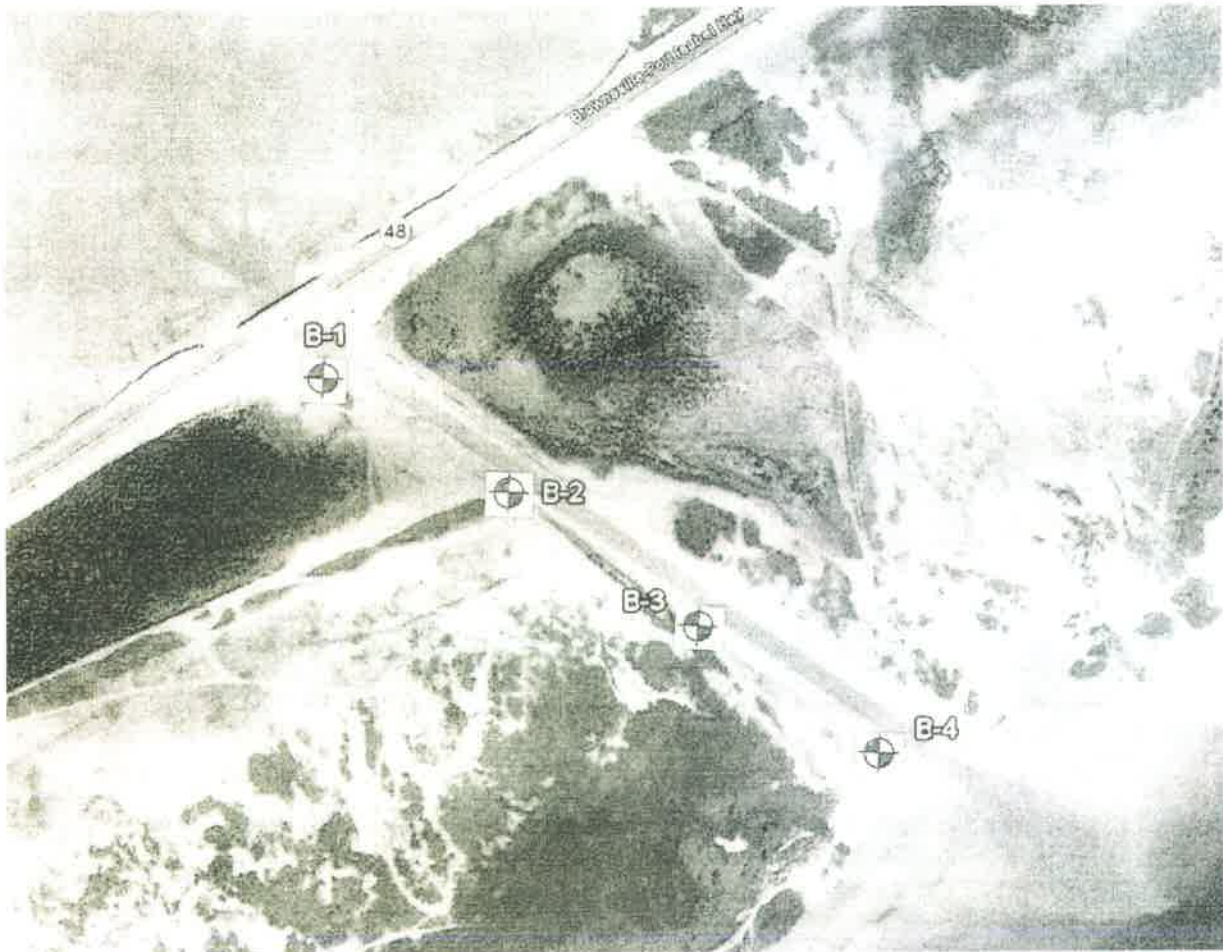


BORING B-3 (Percent Passing)				
SIEVE SIZE	SAMPLE IDENTIFICATION			
	1.0' – 2.5'	3.5' – 5.0'	8.5' – 10.0'	13.5' –15.0'
3"	100.0	100.0	100.0	100.0
7/8"	100.0	100.0	100.0	100.0
#4	100.0	100.0	100.0	100.0
#10	100.0	100.0	100.0	100.0
#20	100.0	99.9	99.9	99.5
#40	100.0	99.1	99.8	99.2
#60	99.7	98.3	99.6	99.0
#70	99.0	97.7	99.5	98.9
#80	96.3	96.7	99.4	98.9
#100	89.3	94.1	99.3	98.7
#120	71.1	89.3	99.2	98.6
#140	59.2	83.9	99.0	98.5
#200	37.7	69.6	97.1	97.9

BORING B-4 (Percent Passing)				
SIEVE SIZE	SAMPLE IDENTIFICATION			
	1.0' – 2.5'	6.0' – 7.5'	11.0' – 12.5'	18.5' –20.0'
3"	100.0	100.0	100.0	100.0
7/8"	100.0	100.0	100.0	100.0
#4	100.0	100.0	100.0	100.0
#10	99.9	99.7	99.5	100.0
#20	99.7	97.8	97.7	100.0
#40	99.6	97.4	97.2	99.9
#60	99.2	97.3	96.7	99.7
#70	98.4	97.2	96.6	99.6
#80	96.0	97.2	96.3	99.5
#100	90.8	97.1	96.1	99.5
#120	78.5	96.9	95.9	99.3
#140	68.7	96.8	95.7	99.2
#200	48.9	96.6	95.3	99.1

Subsurface Conditions

The types of foundation bearing materials encountered in the test borings have been visually classified and are described in detail on the boring logs. The results of the pocket penetrometer values, standard penetration tests, strength tests and other laboratory tests are presented on the boring logs in numerical form. Representative samples of the soils were placed in polyethylene bags and are now stored in the laboratory for further analysis, if desired. Unless notified to the contrary, all samples will be disposed of three months after issuance of this report.



BORING LOCATION PLAN

NO SCALE

September 6, 2011
Attn.: Mr. Josh Carter, P.E.
RETL Job No.: G111204

PROPOSED BAHIA GRANDE RESTORATION PROJECT
State Highway 48
Brownsville, Texas

ROCK ENGINEERING AND TESTING LABORATORY, INC.
6817 LEOPARD STREET
CORPUS CHRISTI, TX 78409
(361) 883-4555

SHEET 1 of 1



CLIENT:	Coast & Harbor Engineering, Inc.
PROJECT:	Prop. Bahia Grande Restoration Proj.
LOCATION:	State Highway 48; Brownsville, TX
NUMBER:	G111204

DATE(S) DRILLED: 07/13/11 - 07/13/11

DRILLING METHOD(S):

Hollow Stem Auger

GROUNDWATER INFORMATION:

Groundwater (GW) was encountered at 8' during drilling operations.
GW at 10.5' and open upon completion of drilling operations.
4-Hour Delayed Reading: GW at 6.5' and open.

SURFACE ELEVATION: N/A

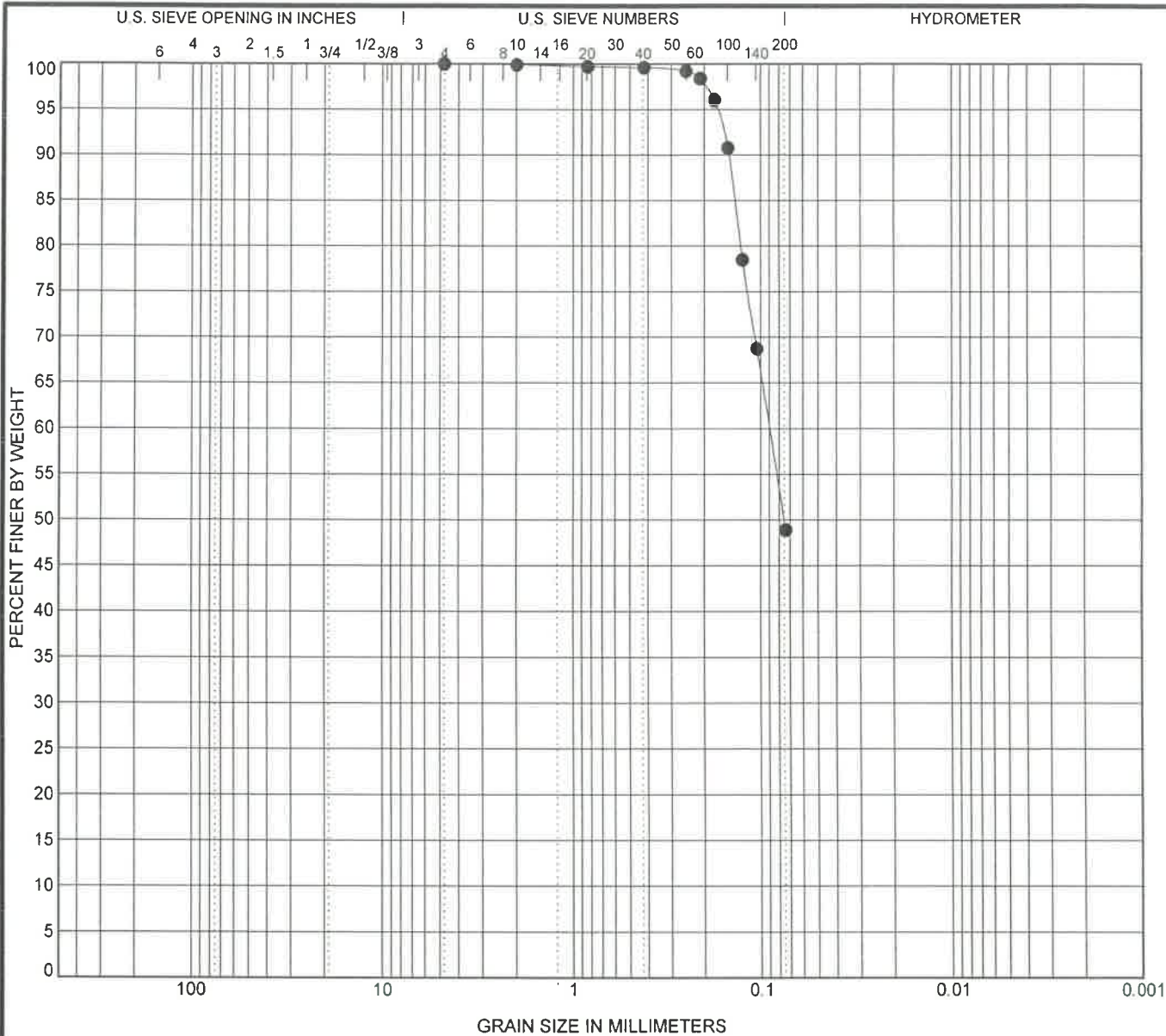
DESCRIPTION OF STRATUM

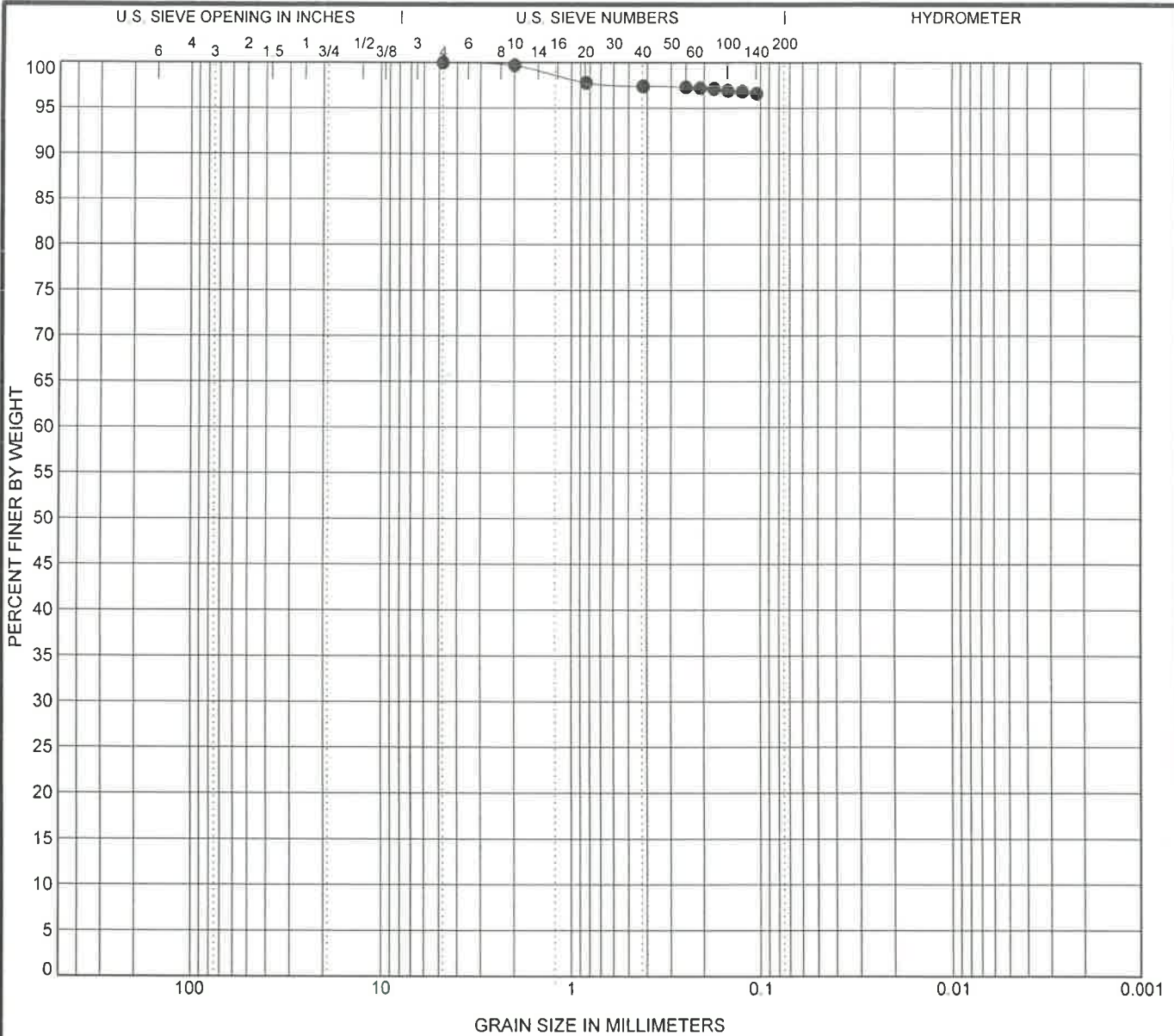
QGS OF BORING G111204 PROP. BAHIA GRANDE.GPJ ROCK ETI GDT B/15/11

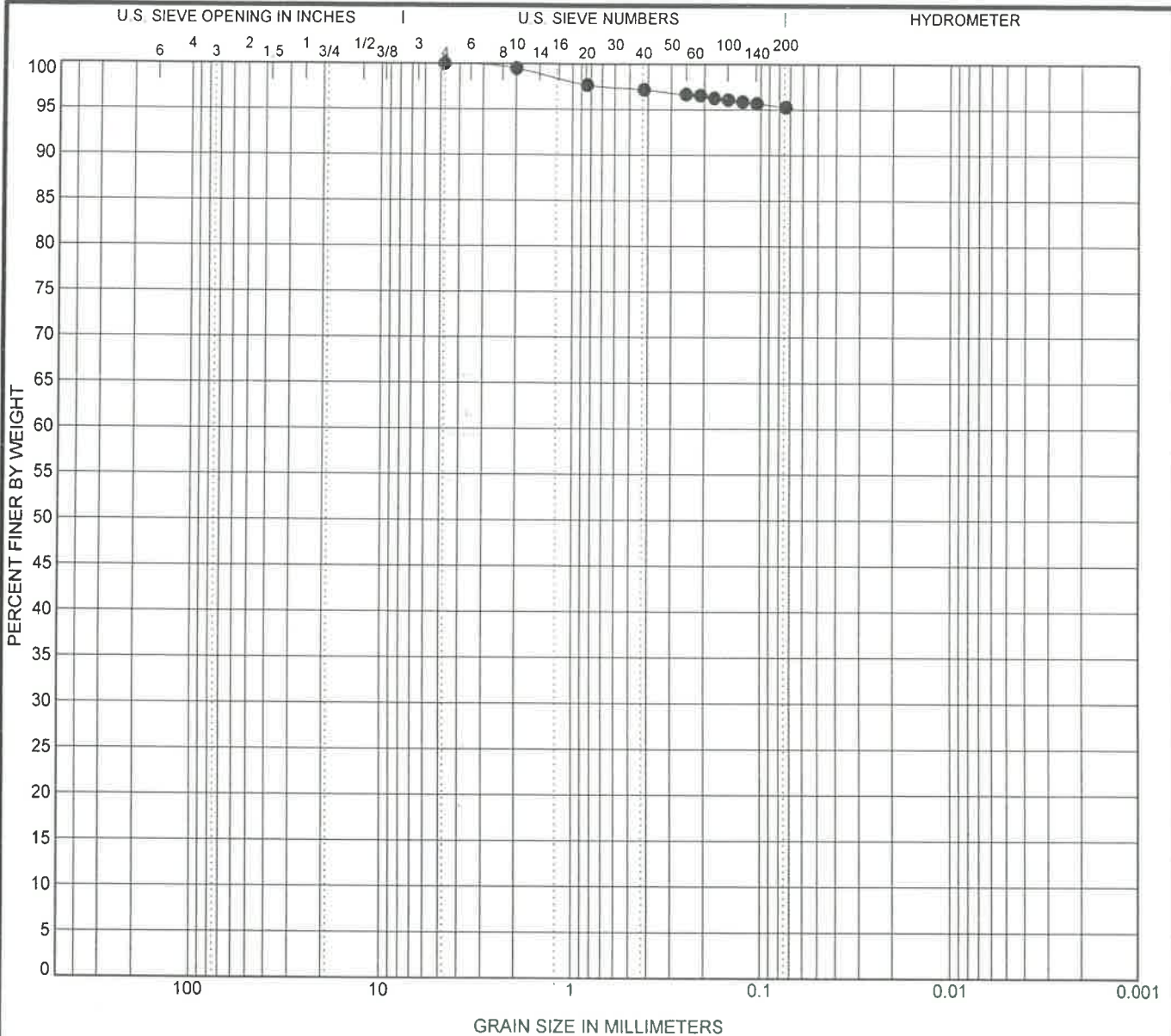
N - STANDARD PENETRATION TEST RESISTANCE
P - POCKET PENETROMETER RESISTANCE
T - POCKET TORVANE SHEAR STRENGTH

REMARKS:

Boring depth and location was determined by Coast & Harbor Engineering, Inc. Boring operations were performed by RETL at GPS Coord. N 26° 00' 700" W 97° 16' 294".
WOH = Weight of Hammer







COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification				LL	PL	PI	Cc	Cu
● B-4	11.0'	B-4; 11.0' - 12.5'								
Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay	
● B-4	11.0'	4.78				0.0				



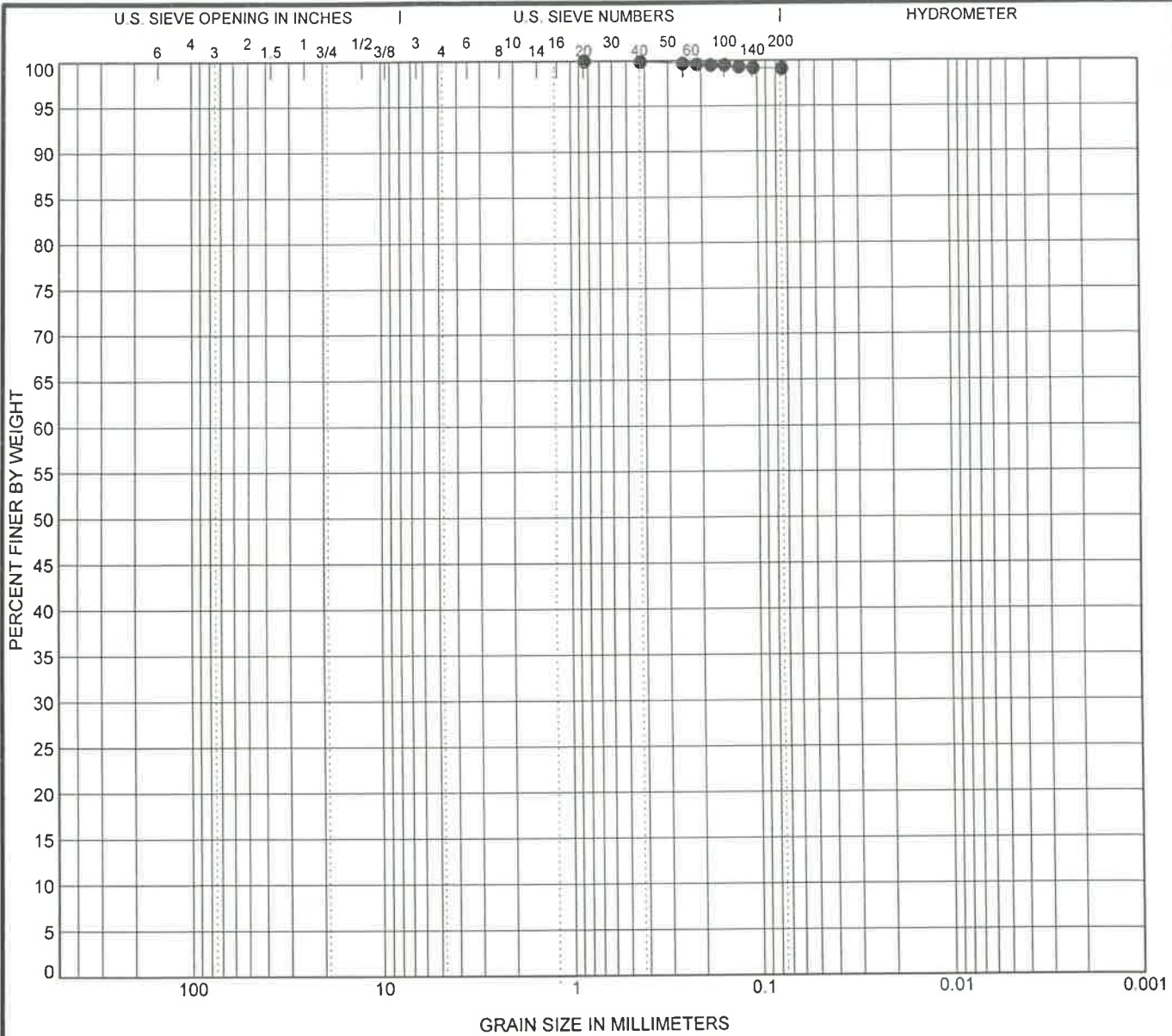
Rock Engineering & Testing Lab., Inc.
6817 Leopard St.
Corpus Christi, TX 78409
Telephone: (361) 883-4555
Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.

Location: State Hwy. 48; Brownsville, TX

Number: G111204



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen ID	Depth	Classification	LL	PL	PI	Cc	Cu
● B-4	18.5'	B-4; 18.5' - 20.0'					

Specimen ID	Depth	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● B-4	18.5'	0.84				0.0			



Rock Engineering & Testing Lab., Inc.
 6817 Leopard St.
 Corpus Christi, TX 78409
 Telephone: (361) 883-4555
 Fax: (361) 883-4711

GRAIN SIZE DISTRIBUTION

Project: Prop. Bahia Grande Restoration Proj.
 Location: State Hwy. 48; Brownsville, TX
 Number: G111204

U.S. GRAIN SIZE G111204 PROP. BAHIA GRANDE GPJ US LAB GDT 8/10/11

Detection Summary

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-1; 1.0'-5.0'

Lab Sample ID: 560-27205-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00057	J	0.0044	0.00049	mg/Kg	1		8260B	Total/NA
Bis(2-ethylhexyl) phthalate	0.096	J	0.33	0.017	mg/Kg	1		8270C	Total/NA
Arsenic	3.3		0.21	0.043	mg/Kg	1		6020	Total/NA
Barium	120		0.43	0.19	mg/Kg	2		6020	Total/NA
Cadmium	0.10	J	0.21	0.062	mg/Kg	1		6020	Total/NA
Chromium	7.8		0.21	0.096	mg/Kg	1		6020	Total/NA
Lead	7.2		0.43	0.18	mg/Kg	1		6020	Total/NA
Selenium	0.14	J	0.21	0.037	mg/Kg	1		6020	Total/NA
Silver	0.16	J	0.21	0.059	mg/Kg	1		6020	Total/NA

Client Sample ID: B-2; 6.0'-10.0'

Lab Sample ID: 560-27205-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.0		0.22	0.043	mg/Kg	1		6020	Total/NA
Barium	120		0.43	0.19	mg/Kg	2		6020	Total/NA
Cadmium	0.13	J	0.22	0.062	mg/Kg	1		6020	Total/NA
Chromium	6.9		0.22	0.097	mg/Kg	1		6020	Total/NA
Lead	5.3		0.43	0.18	mg/Kg	1		6020	Total/NA
Selenium	0.17	J	0.22	0.038	mg/Kg	1		6020	Total/NA

Client Sample ID: B-3; 1.0'-5.0'

Lab Sample ID: 560-27205-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00053	J	0.0045	0.00050	mg/Kg	1		8260B	Total/NA
Arsenic	3.2		0.21	0.043	mg/Kg	1		6020	Total/NA
Barium	89		0.43	0.19	mg/Kg	2		6020	Total/NA
Cadmium	0.13	J	0.21	0.062	mg/Kg	1		6020	Total/NA
Chromium	5.5		0.21	0.096	mg/Kg	1		6020	Total/NA
Lead	5.6		0.43	0.18	mg/Kg	1		6020	Total/NA
Selenium	0.13	J	0.21	0.037	mg/Kg	1		6020	Total/NA

Client Sample ID: B-4; 6.0'-10.0'

Lab Sample ID: 560-27205-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene	0.00062	J	0.0045	0.00051	mg/Kg	1		8260B	Total/NA
Over C12-C28	13	J	50	10	mg/Kg	1		TX 1005	Total/NA
Total Petroleum Hydrocarbons (C6-C35)	13	J B	50	10	mg/Kg	1		TX 1005	Total/NA
Arsenic	4.6		0.20	0.039	mg/Kg	1		6020	Total/NA
Barium	170		0.39	0.17	mg/Kg	2		6020	Total/NA
Cadmium	0.17	J	0.20	0.057	mg/Kg	1		6020	Total/NA
Chromium	8.2		0.20	0.088	mg/Kg	1		6020	Total/NA
Lead	8.8		0.39	0.16	mg/Kg	1		6020	Total/NA
Selenium	0.24		0.20	0.034	mg/Kg	1		6020	Total/NA
Mercury	0.013	J	0.12	0.011	mg/Kg	1		7471A	Total/NA

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-4; 6.0'-10.0'

Lab Sample ID: 560-27205-4

Date Collected: 07/22/11 12:36

Matrix: Solid

Date Received: 07/22/11 12:40

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.00066		0.0045	0.00066	mg/Kg			07/25/11 14:13	1
Chloromethane	<0.0011		0.0045	0.0011	mg/Kg			07/25/11 14:13	1
Vinyl chloride	<0.00054		0.0045	0.00054	mg/Kg			07/25/11 14:13	1
Bromomethane	<0.0010		0.0045	0.0010	mg/Kg			07/25/11 14:13	1
Chloroethane	<0.00024		0.0045	0.00024	mg/Kg			07/25/11 14:13	1
Trichlorofluoromethane	<0.00045		0.0045	0.00045	mg/Kg			07/25/11 14:13	1
Ethyl ether	<0.00015		0.0045	0.00015	mg/Kg			07/25/11 14:13	1
1,1-Dichloroethene	<0.00017		0.0045	0.00017	mg/Kg			07/25/11 14:13	1
Carbon disulfide	<0.00091		0.0045	0.00091	mg/Kg			07/25/11 14:13	1
Iodomethane	<0.00073		0.0045	0.00073	mg/Kg			07/25/11 14:13	1
Methylene Chloride	<0.0045		0.023	0.0045	mg/Kg			07/25/11 14:13	1
Acetone	<0.0065		0.045	0.0065	mg/Kg			07/25/11 14:13	1
trans-1,2-Dichloroethene	<0.00045		0.0045	0.00045	mg/Kg			07/25/11 14:13	1
Methyl tert-butyl ether	<0.00055		0.0045	0.00055	mg/Kg			07/25/11 14:13	1
Acetonitrile	<0.034		0.045	0.034	mg/Kg			07/25/11 14:13	1
1,1-Dichloroethane	<0.00054		0.0045	0.00054	mg/Kg			07/25/11 14:13	1
Vinyl acetate	<0.0010		0.0045	0.0010	mg/Kg			07/25/11 14:13	1
cis-1,2-Dichloroethene	<0.00052		0.0045	0.00052	mg/Kg			07/25/11 14:13	1
2,2-Dichloropropane	<0.00076		0.0045	0.00076	mg/Kg			07/25/11 14:13	1
Chloroform	<0.00079		0.0045	0.00079	mg/Kg			07/25/11 14:13	1
Ethyl acetate	<0.0011		0.0045	0.0011	mg/Kg			07/25/11 14:13	1
Carbon tetrachloride	<0.00046		0.0045	0.00046	mg/Kg			07/25/11 14:13	1
1,1,1-Trichloroethane	<0.00064		0.0045	0.00064	mg/Kg			07/25/11 14:13	1
1,1-Dichloropropene	<0.00047		0.0045	0.00047	mg/Kg			07/25/11 14:13	1
Benzene	<0.00021		0.0045	0.00021	mg/Kg			07/25/11 14:13	1
1,2-Dichloroethane	<0.00047		0.0045	0.00047	mg/Kg			07/25/11 14:13	1
Trichloroethene	<0.00025		0.0045	0.00025	mg/Kg			07/25/11 14:13	1
Dibromomethane	<0.00064		0.0045	0.00064	mg/Kg			07/25/11 14:13	1
1,2-Dichloropropane	<0.00014		0.0045	0.00014	mg/Kg			07/25/11 14:13	1
Dichlorobromomethane	<0.00017		0.0045	0.00017	mg/Kg			07/25/11 14:13	1
Methyl methacrylate	<0.0010		0.0045	0.0010	mg/Kg			07/25/11 14:13	1
1,4-Dioxane	<0.017		0.091	0.017	mg/Kg			07/25/11 14:13	1
cis-1,3-Dichloropropene	<0.00013		0.0045	0.00013	mg/Kg			07/25/11 14:13	1
Toluene	0.00062 J		0.0045	0.00051	mg/Kg			07/25/11 14:13	1
2-Nitropropane	<0.00047		0.0045	0.00047	mg/Kg			07/25/11 14:13	1
4-Methyl-2-pentanone (MIBK)	<0.00084		0.0045	0.00084	mg/Kg			07/25/11 14:13	1
trans-1,3-Dichloropropene	<0.00047		0.0045	0.00047	mg/Kg			07/25/11 14:13	1
Tetrachloroethene	<0.00067		0.0045	0.00067	mg/Kg			07/25/11 14:13	1
Ethyl methacrylate	<0.00046		0.0045	0.00046	mg/Kg			07/25/11 14:13	1
1,1,2-Trichloroethane	<0.00045		0.0045	0.00045	mg/Kg			07/25/11 14:13	1
Chlorodibromomethane	<0.00058		0.0045	0.00058	mg/Kg			07/25/11 14:13	1
1,3-Dichloropropane	<0.00022		0.0045	0.00022	mg/Kg			07/25/11 14:13	1
Ethylene Dibromide	<0.00015		0.0045	0.00015	mg/Kg			07/25/11 14:13	1
2-Hexanone	<0.0011		0.0045	0.0011	mg/Kg			07/25/11 14:13	1
Chlorobenzene	<0.00021		0.0045	0.00021	mg/Kg			07/25/11 14:13	1
Ethylbenzene	<0.00020		0.0045	0.00020	mg/Kg			07/25/11 14:13	1
Bromoform	<0.00046		0.0045	0.00046	mg/Kg			07/25/11 14:13	1
Styrene	<0.00018		0.0045	0.00018	mg/Kg			07/25/11 14:13	1
1,1,2,2-Tetrachloroethane	<0.00034		0.0045	0.00034	mg/Kg			07/25/11 14:13	1
1,2,3-Trichloropropane	<0.00069		0.0045	0.00069	mg/Kg			07/25/11 14:13	1

TestAmerica Corpus Christi

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-4; 6.0'-10.0'

Lab Sample ID: 560-27205-4

Date Collected: 07/22/11 12:36

Matrix: Solid

Date Received: 07/22/11 12:40

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	<0.00019		0.0045	0.00019	mg/Kg			07/25/11 14:13	1
1,2,4-Trimethylbenzene	<0.00018		0.0045	0.00018	mg/Kg			07/25/11 14:13	1
1,2,3-Trichlorobenzene	<0.00040		0.0045	0.00040	mg/Kg			07/25/11 14:13	1
2-Butanone (MEK)	<0.00091		0.0045	0.00091	mg/Kg			07/25/11 14:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.00061		0.0045	0.00061	mg/Kg			07/25/11 14:13	1
Xylenes, Total	<0.00033		0.014	0.00033	mg/Kg			07/25/11 14:13	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	91		63 - 136		07/25/11 14:13	1
1,2-Dichloroethane-d4 (Surr)	96		70 - 152		07/25/11 14:13	1
Toluene-d8 (Surr)	100		69 - 139		07/25/11 14:13	1
4-Bromofluorobenzene (Surr)	95		61 - 130		07/25/11 14:13	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Bis(2-chloroethyl)ether	<0.038		0.34	0.038	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2-Chlorophenol	<0.028		0.34	0.028	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
1,3-Dichlorobenzene	<0.045		0.34	0.045	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
1,4-Dichlorobenzene	<0.047		0.34	0.047	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Benzyl alcohol	<0.025		0.34	0.025	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
1,2-Dichlorobenzene	<0.053		0.34	0.053	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2-Methylphenol	<0.034		0.34	0.034	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
3 & 4 Methylphenol	<0.051		0.69	0.051	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
N-Nitrosodi-n-propylamine	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Hexachloroethane	<0.051		0.34	0.051	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Nitrobenzene	<0.037		0.34	0.037	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Isophorone	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2-Nitrophenol	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2,4-Dimethylphenol	<0.021		0.34	0.021	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Bis(2-chloroethoxy)methane	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2,4-Dichlorophenol	<0.023		0.34	0.023	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
1,2,4-Trichlorobenzene	<0.047		0.34	0.047	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Naphthalene	<0.043		0.34	0.043	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
4-Chloroaniline	<0.048		0.34	0.048	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Hexachlorobutadiene	<0.046		0.34	0.046	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
4-Chloro-3-methylphenol	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2-Methylnaphthalene	<0.032		0.34	0.032	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Hexachlorocyclopentadiene	<0.10		0.34	0.10	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2,4,6-Trichlorophenol	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2,4,5-Trichlorophenol	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2-Chloronaphthalene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2-Nitroaniline	<0.023		0.34	0.023	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Dimethyl phthalate	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Acenaphthylene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2,6-Dinitrotoluene	<0.051		0.34	0.051	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
3-Nitroaniline	<0.051		0.34	0.051	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Acenaphthene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2,4-Dinitrophenol	<0.10		0.34	0.10	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
4-Nitrophenol	<0.031		0.34	0.031	mg/Kg		07/25/11 13:21	07/26/11 18:02	1

TestAmerica Corpus Christi

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-4; 6.0'-10.0'

Lab Sample ID: 560-27205-4

Date Collected: 07/22/11 12:36

Matrix: Solid

Date Received: 07/22/11 12:40

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenzofuran	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
2,4-Dinitrotoluene	<0.022		0.34	0.022	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Diethyl phthalate	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Fluorene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
4-Chlorophenyl phenyl ether	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
4-Nitroaniline	<0.029		0.34	0.029	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
4,6-Dinitro-2-methylphenol	<0.051		0.34	0.051	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
N-Nitrosodiphenylamine	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
4-Bromophenyl phenyl ether	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Hexachlorobenzene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Phenanthrene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Anthracene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Di-n-butyl phthalate	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Fluoranthene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Pyrene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Butyl benzyl phthalate	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Benzo[a]anthracene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Chrysene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Bis(2-ethylhexyl) phthalate	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Di-n-octyl phthalate	<0.019		0.34	0.019	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Benzo[b]fluoranthene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Benzo[k]fluoranthene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Benzo[a]pyrene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Indeno[1,2,3-cd]pyrene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Dibenz(a,h)anthracene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Benzo[g,h,i]perylene	<0.017		0.34	0.017	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
3,3'-Dichlorobenzidine	<0.051		0.34	0.051	mg/Kg		07/25/11 13:21	07/26/11 18:02	1
Pentachlorophenol	<0.10		0.34	0.10	mg/Kg		07/25/11 13:21	07/26/11 18:02	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	72		48 - 130	07/25/11 13:21	07/26/11 18:02	1
Phenol-d5	75		56 - 130	07/25/11 13:21	07/26/11 18:02	1
Nitrobenzene-d5	73		48 - 130	07/25/11 13:21	07/26/11 18:02	1
2-Fluorobiphenyl	73		57 - 130	07/25/11 13:21	07/26/11 18:02	1
2,4,6-Tribromophenol	84		30 - 131	07/25/11 13:21	07/26/11 18:02	1
Terphenyl-d14	88		58 - 130	07/25/11 13:21	07/26/11 18:02	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1221	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1232	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1242	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1248	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1254	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1260	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1262	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1
Aroclor 1268	<0.0051		0.033	0.0051	mg/Kg		07/25/11 09:19	07/25/11 15:28	1

TestAmerica Corpus Christi

Client Sample Results

Client: Rock Engineering & Testing Lab., Inc.
Project/Site: G111204 Prop'd Bahia Grande Restoration

TestAmerica Job ID: 560-27205-1

Client Sample ID: B-4; 6.0'-10.0'

Lab Sample ID: 560-27205-4

Date Collected: 07/22/11 12:36

Matrix: Solid

Date Received: 07/22/11 12:40

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		32 - 132	07/25/11 09:19	07/25/11 15:28	1
DCB Decachlorobiphenyl	92		57 - 138	07/25/11 09:19	07/25/11 15:28	1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Over C12-C28	13	J	50	10	mg/Kg		07/28/11 12:50	07/29/11 15:38	1
Over C28-C35	<10		50	10	mg/Kg		07/28/11 12:50	07/29/11 15:38	1
C6-C12	<10		50	10	mg/Kg		07/28/11 12:50	07/29/11 15:38	1
Total Petroleum Hydrocarbons (C6-C35)	13	J B	50	10	mg/Kg		07/28/11 12:50	07/29/11 15:38	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	111		70 - 130	07/28/11 12:50	07/29/11 15:38	1
1-Chlorooctane (Surr)	106		70 - 130	07/28/11 12:50	07/29/11 15:38	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.6		0.20	0.039	mg/Kg		07/26/11 09:00	07/27/11 22:18	1
Barium	170		0.39	0.17	mg/Kg		07/26/11 09:00	07/28/11 20:34	2
Cadmium	0.17	J	0.20	0.057	mg/Kg		07/26/11 09:00	07/27/11 22:18	1
Chromium	8.2		0.20	0.088	mg/Kg		07/26/11 09:00	07/27/11 22:18	1
Lead	8.8		0.39	0.16	mg/Kg		07/26/11 09:00	07/27/11 22:18	1
Selenium	0.24		0.20	0.034	mg/Kg		07/26/11 09:00	07/27/11 22:18	1
Silver	<0.054		0.20	0.054	mg/Kg		07/26/11 09:00	07/27/11 22:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.013	J	0.12	0.011	mg/Kg		07/27/11 08:30	07/27/11 15:14	1