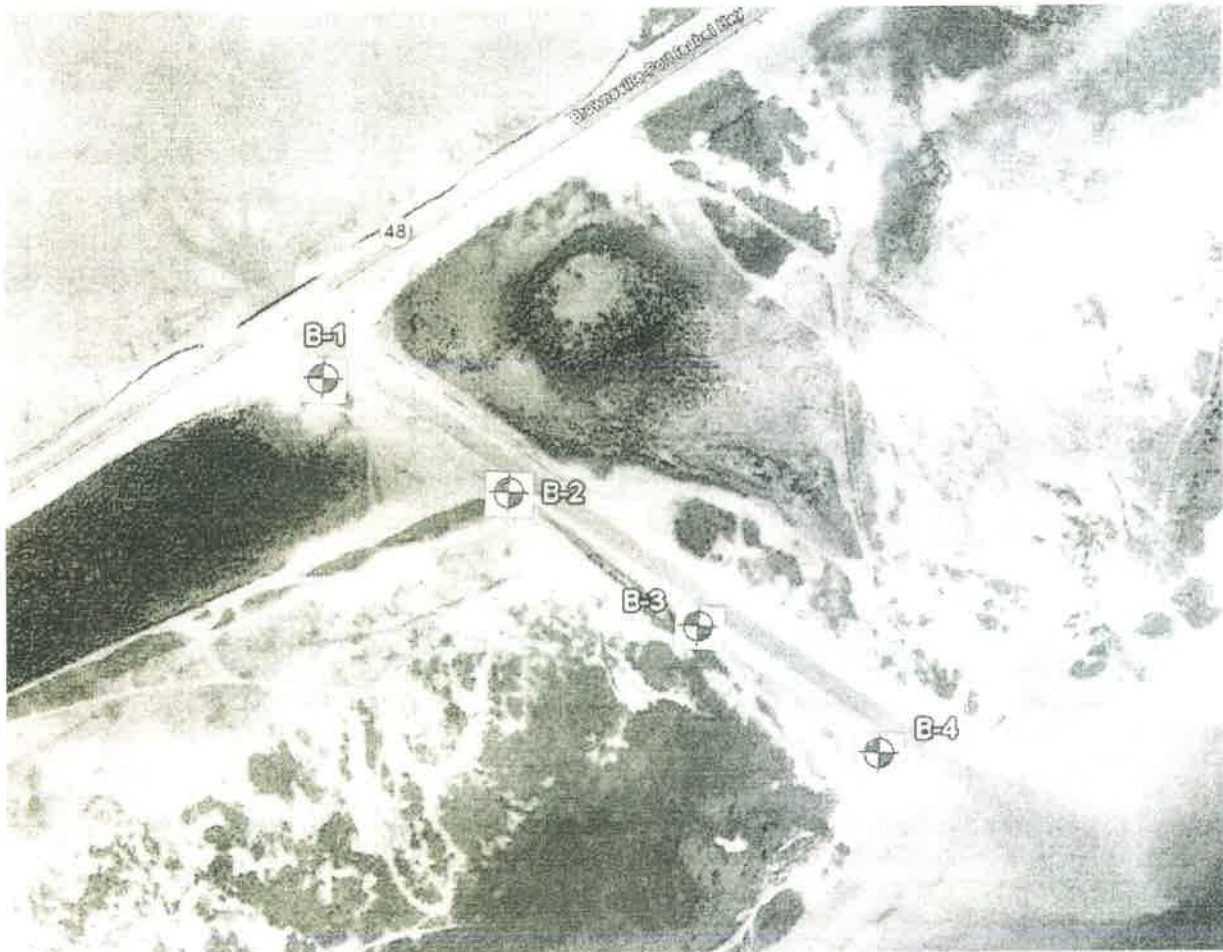


September 6, 2011
 Attn.: Mr. Josh Carter, P.E.
 RETL Job No.: G111204

PROPOSED BAHIA GRANDE RESTORATION PROJECT
 State Highway 48
 Brownsville, Texas

BORING B-1 (Percent Passing)				
SIEVE SIZE	SAMPLE IDENTIFICATION			
	3.5' – 5.0'	8.5' – 10.0'	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	100.0	99.9	100.0	99.9
#20	99.7	99.8	99.8	99.5
#40	99.2	99.3	99.5	99.4
#60	98.9	99.2	99.3	99.4
#70	98.8	99.1	99.2	99.3
#80	98.7	98.9	99.2	99.1
#100	98.5	98.8	99.0	98.3
#120	98.1	98.4	98.5	96.1
#140	97.3	98.2	97.9	93.0
#200	95.0	96.8	96.5	83.5

BORING B-2 (Percent Passing)				
SIEVE SIZE	SAMPLE IDENTIFICATION			
	1.0' – 2.5'	6.0' – 7.5'	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	99.5	99.6	99.9	100.0
#40	99.2	99.2	99.8	100.0
#60	99.1	99.0	99.7	100.0
#70	98.9	98.9	99.7	100.0
#80	98.8	98.8	99.7	100.0
#100	98.6	98.5	99.6	99.9
#120	98.1	97.9	99.6	99.9
#140	97.5	97.1	99.5	99.8
#200	94.4	93.9	99.0	99.7



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

LOG OF BORING B-2

SHEET 1 of 1



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

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

FIELD DATA

LABORATORY DATA

DRILLING METHOD(S):

Hollow Stem Auger

GROUNDWATER INFORMATION:

Groundwater (GW) was encountered at 7' during drilling operations.
GW at 4' and open upon completion of drilling operations.
1.5-Hour Delayed Reading: GW at 3' and open.

SURFACE ELEVATION: N/A

DESCRIPTION OF STRATUM

SOIL SYMBOL	DEPTH (FT)	SAMPLE NUMBER	SAMPLES	N: BLOWS/FT P: TONS/SQ FT T: TONS/SQ FT PERCENT RECOVERY/ ROCK QUALITY DESIGNATION	MOISTURE CONTENT (%)	ATTERBERG LIMITS			DRY DENSITY POUNDS/CU FT	COMPRESSIVE STRENGTH (TONS/SQ FT)	MINUS NO. 200 SIEVE (%)	
						LL	PL	PI				
		SS S-1	N= WOH		27	55	20	35			94	<u>FAT CLAY</u> , brown, moist, very soft. (CH)
	5	SS S-2	N= WOH		32							Same as above, grayish brown.
		SS S-3	N= WOH		35	64	20	44			94	Same as above. (CH)
	10	SS S-4	N= 1		32						99	<u>LEAN CLAY</u> , brown, moist, very soft.
		SH S-5	P= 2.5		26							<u>FAT CLAY</u> , brown, moist, stiff.
	15	SH S-6	P= 1.75		29	64	19	45	93	1.0	100	Same as above. (CH)
	20	SS S-7	N= WOH		29							Same as above, very soft.
												Boring was terminated at a depth of 20-feet.

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° 00.834' W 97° 16.497'.
WOH = Weight of Hammer

LOG OF BORING G111204 PROP BAHIA GRANDE.GPJ ROCK ETL.GDT 8/15/11

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-1; 1.0'-5.0'

Date Collected: 07/22/11 12:30

Date Received: 07/22/11 12:40

Lab Sample ID: 560-27205-1

Matrix: Solid

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	81		32 - 132	07/25/11 07:22	07/25/11 14:43	1
DCB Decachlorobiphenyl	80		57 - 138	07/25/11 07:22	07/25/11 14:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Over C12-C28	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1
Over C28-C35	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1
C6-C12	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1
Total Petroleum Hydrocarbons (C6-C35)	<10		50	10	mg/Kg		07/28/11 12:50	07/28/11 18:16	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	106		70 - 130	07/28/11 12:50	07/28/11 18:16	1
1-Chlorooctane (Surr)	96		70 - 130	07/28/11 12:50	07/28/11 18:16	1

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.3		0.21	0.043	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Barium	120		0.43	0.19	mg/Kg		07/26/11 09:00	07/28/11 20:15	2
Cadmium	0.10	J	0.21	0.062	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Chromium	7.8		0.21	0.096	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Lead	7.2		0.43	0.18	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Selenium	0.14	J	0.21	0.037	mg/Kg		07/26/11 09:00	07/27/11 22:02	1
Silver	0.16	J	0.21	0.059	mg/Kg		07/26/11 09:00	07/27/11 22:02	1

Method: 7471A - Mercury (CVAA)

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

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

Date Collected: 07/22/11 12:32

Date Received: 07/22/11 12:40

Lab Sample ID: 560-27205-2

Matrix: Solid

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	<0.00065		0.0044	0.00065	mg/Kg			07/25/11 13:48	1
Chloromethane	<0.0011		0.0044	0.0011	mg/Kg			07/25/11 13:48	1
Vinyl chloride	<0.00053		0.0044	0.00053	mg/Kg			07/25/11 13:48	1
Bromomethane	<0.00098		0.0044	0.00098	mg/Kg			07/25/11 13:48	1
Chloroethane	<0.00023		0.0044	0.00023	mg/Kg			07/25/11 13:48	1
Trichlorofluoromethane	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:48	1
Ethyl ether	<0.00015		0.0044	0.00015	mg/Kg			07/25/11 13:48	1
1,1-Dichloroethene	<0.00017		0.0044	0.00017	mg/Kg			07/25/11 13:48	1
Carbon disulfide	<0.00089		0.0044	0.00089	mg/Kg			07/25/11 13:48	1
Iodomethane	<0.00071		0.0044	0.00071	mg/Kg			07/25/11 13:48	1
Methylene Chloride	<0.0044		0.022	0.0044	mg/Kg			07/25/11 13:48	1
Acetone	<0.0064		0.044	0.0064	mg/Kg			07/25/11 13:48	1
trans-1,2-Dichloroethene	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:48	1
Methyl tert-butyl ether	<0.00054		0.0044	0.00054	mg/Kg			07/25/11 13:48	1
Acetonitrile	<0.033		0.044	0.033	mg/Kg			07/25/11 13:48	1

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-2; 6.0'-10.0'

Lab Sample ID: 560-27205-2

Date Collected: 07/22/11 12:32

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
1,1-Dichloroethane	<0.00052		0.0044	0.00052	mg/Kg			07/25/11 13:48	1
Vinyl acetate	<0.00098		0.0044	0.00098	mg/Kg			07/25/11 13:48	1
cis-1,2-Dichloroethene	<0.00051		0.0044	0.00051	mg/Kg			07/25/11 13:48	1
2,2-Dichloropropane	<0.00074		0.0044	0.00074	mg/Kg			07/25/11 13:48	1
Chloroform	<0.00077		0.0044	0.00077	mg/Kg			07/25/11 13:48	1
Ethyl acetate	<0.0011		0.0044	0.0011	mg/Kg			07/25/11 13:48	1
Carbon tetrachloride	<0.00045		0.0044	0.00045	mg/Kg			07/25/11 13:48	1
1,1,1-Trichloroethane	<0.00062		0.0044	0.00062	mg/Kg			07/25/11 13:48	1
1,1-Dichloropropene	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:48	1
Benzene	<0.00020		0.0044	0.00020	mg/Kg			07/25/11 13:48	1
1,2-Dichloroethane	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:48	1
Trichloroethene	<0.00025		0.0044	0.00025	mg/Kg			07/25/11 13:48	1
Dibromomethane	<0.00063		0.0044	0.00063	mg/Kg			07/25/11 13:48	1
1,2-Dichloropropane	<0.00013		0.0044	0.00013	mg/Kg			07/25/11 13:48	1
Dichlorobromomethane	<0.00017		0.0044	0.00017	mg/Kg			07/25/11 13:48	1
Methyl methacrylate	<0.00098		0.0044	0.00098	mg/Kg			07/25/11 13:48	1
1,4-Dioxane	<0.017		0.089	0.017	mg/Kg			07/25/11 13:48	1
cis-1,3-Dichloropropene	<0.00013		0.0044	0.00013	mg/Kg			07/25/11 13:48	1
Toluene	<0.00050		0.0044	0.00050	mg/Kg			07/25/11 13:48	1
2-Nitropropane	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:48	1
4-Methyl-2-pentanone (MIBK)	<0.00082		0.0044	0.00082	mg/Kg			07/25/11 13:48	1
trans-1,3-Dichloropropene	<0.00046		0.0044	0.00046	mg/Kg			07/25/11 13:48	1
Tetrachloroethene	<0.00066		0.0044	0.00066	mg/Kg			07/25/11 13:48	1
Ethyl methacrylate	<0.00045		0.0044	0.00045	mg/Kg			07/25/11 13:48	1
1,1,2-Trichloroethane	<0.00044		0.0044	0.00044	mg/Kg			07/25/11 13:48	1
Chlorodibromomethane	<0.00057		0.0044	0.00057	mg/Kg			07/25/11 13:48	1
1,3-Dichloropropane	<0.00021		0.0044	0.00021	mg/Kg			07/25/11 13:48	1
Ethylene Dibromide	<0.00015		0.0044	0.00015	mg/Kg			07/25/11 13:48	1
2-Hexanone	<0.0011		0.0044	0.0011	mg/Kg			07/25/11 13:48	1
Chlorobenzene	<0.00020		0.0044	0.00020	mg/Kg			07/25/11 13:48	1
Ethylbenzene	<0.00020		0.0044	0.00020	mg/Kg			07/25/11 13:48	1
Bromoform	<0.00045		0.0044	0.00045	mg/Kg			07/25/11 13:48	1
Styrene	<0.00018		0.0044	0.00018	mg/Kg			07/25/11 13:48	1
1,1,2,2-Tetrachloroethane	<0.00034		0.0044	0.00034	mg/Kg			07/25/11 13:48	1
1,2,3-Trichloropropane	<0.00067		0.0044	0.00067	mg/Kg			07/25/11 13:48	1
1,3,5-Trimethylbenzene	<0.00019		0.0044	0.00019	mg/Kg			07/25/11 13:48	1
1,2,4-Trimethylbenzene	<0.00018		0.0044	0.00018	mg/Kg			07/25/11 13:48	1
1,2,3-Trichlorobenzene	<0.00039		0.0044	0.00039	mg/Kg			07/25/11 13:48	1
2-Butanone (MEK)	<0.00089		0.0044	0.00089	mg/Kg			07/25/11 13:48	1
1,1,2-Trichloro-1,2,2-trifluoroethane	<0.00059		0.0044	0.00059	mg/Kg			07/25/11 13:48	1
Xylenes, Total	<0.00032		0.013	0.00032	mg/Kg			07/25/11 13:48	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane (Surr)	88		63 - 136		07/25/11 13:48	1
1,2-Dichloroethane-d4 (Surr)	94		70 - 152		07/25/11 13:48	1
Toluene-d8 (Surr)	99		69 - 139		07/25/11 13:48	1
4-Bromofluorobenzene (Surr)	92		61 - 130		07/25/11 13:48	1

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-2; 6.0'-10.0'

Lab Sample ID: 560-27205-2

Date Collected: 07/22/11 12:32

Matrix: Solid

Date Received: 07/22/11 12:40

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Bis(2-chloroethyl)ether	<0.038		0.33	0.038	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2-Chlorophenol	<0.028		0.33	0.028	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
1,3-Dichlorobenzene	<0.044		0.33	0.044	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
1,4-Dichlorobenzene	<0.046		0.33	0.046	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Benzyl alcohol	<0.025		0.33	0.025	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
1,2-Dichlorobenzene	<0.053		0.33	0.053	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2-Methylphenol	<0.033		0.33	0.033	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
3 & 4 Methylphenol	<0.050		0.68	0.050	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
N-Nitrosodi-n-propylamine	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Hexachloroethane	<0.051		0.33	0.051	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Nitrobenzene	<0.037		0.33	0.037	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Isophorone	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2-Nitrophenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2,4-Dimethylphenol	<0.021		0.33	0.021	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Bis(2-chloroethoxy)methane	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2,4-Dichlorophenol	<0.023		0.33	0.023	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
1,2,4-Trichlorobenzene	<0.046		0.33	0.046	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Naphthalene	<0.042		0.33	0.042	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
4-Chloroaniline	<0.047		0.33	0.047	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Hexachlorobutadiene	<0.045		0.33	0.045	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
4-Chloro-3-methylphenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2-Methylnaphthalene	<0.031		0.33	0.031	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Hexachlorocyclopentadiene	<0.10		0.33	0.10	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2,4,6-Trichlorophenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2,4,5-Trichlorophenol	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2-Chloronaphthalene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2-Nitroaniline	<0.022		0.33	0.022	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Dimethyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Acenaphthylene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2,6-Dinitrotoluene	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
3-Nitroaniline	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Acenaphthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2,4-Dinitrophenol	<0.10		0.33	0.10	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
4-Nitrophenol	<0.031		0.33	0.031	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Dibenzofuran	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
2,4-Dinitrotoluene	<0.021		0.33	0.021	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Diethyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Fluorene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
4-Chlorophenyl phenyl ether	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
4-Nitroaniline	<0.028		0.33	0.028	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
4,6-Dinitro-2-methylphenol	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
N-Nitrosodiphenylamine	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
4-Bromophenyl phenyl ether	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Hexachlorobenzene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Phenanthrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Anthracene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Di-n-butyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Fluoranthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Pyrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1

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-2; 6.0'-10.0'

Lab Sample ID: 560-27205-2

Date Collected: 07/22/11 12:32

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
Butyl benzyl phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Benzo[a]anthracene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Chrysene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Bis(2-ethylhexyl) phthalate	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Di-n-octyl phthalate	<0.019		0.33	0.019	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Benzo[b]fluoranthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Benzo[k]fluoranthene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Benzo[a]pyrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Indeno[1,2,3-cd]pyrene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Dibenz[a,h]anthracene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Benzo[g,h,i]perylene	<0.017		0.33	0.017	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
3,3'-Dichlorobenzidine	<0.050		0.33	0.050	mg/Kg		07/25/11 13:21	07/26/11 17:11	1
Pentachlorophenol	<0.10		0.33	0.10	mg/Kg		07/25/11 13:21	07/26/11 17:11	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol	75		48 - 130	07/25/11 13:21	07/26/11 17:11	1
Phenol-d5	79		56 - 130	07/25/11 13:21	07/26/11 17:11	1
Nitrobenzene-d5	75		48 - 130	07/25/11 13:21	07/26/11 17:11	1
2-Fluorobiphenyl	76		57 - 130	07/25/11 13:21	07/26/11 17:11	1
2,4,6-Tribromophenol	89		30 - 131	07/25/11 13:21	07/26/11 17:11	1
Terphenyl-d14	88		58 - 130	07/25/11 13:21	07/26/11 17:11	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1221	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1232	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1242	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1248	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1254	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1260	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1262	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1
Aroclor 1268	<0.0052		0.033	0.0052	mg/Kg		07/25/11 07:22	07/25/11 14:58	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	90		32 - 132	07/25/11 07:22	07/25/11 14:58	1
DCB Decachlorobiphenyl	86		57 - 138	07/25/11 07:22	07/25/11 14:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Over C12-C28	<10		50	10	mg/Kg		07/29/11 12:38	07/30/11 15:07	1
Over C28-C35	<10		50	10	mg/Kg		07/29/11 12:38	07/30/11 15:07	1
C6-C12	<10		50	10	mg/Kg		07/29/11 12:38	07/30/11 15:07	1
Total Petroleum Hydrocarbons (C6-C35)	<10		50	10	mg/Kg		07/29/11 12:38	07/30/11 15:07	1

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl (Surr)	101		70 - 130	07/29/11 12:38	07/30/11 15:07	1
1-Chlorooctane (Surr)	101		70 - 130	07/29/11 12:38	07/30/11 15:07	1

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-2; 6.0'-10.0'

Lab Sample ID: 560-27205-2

Date Collected: 07/22/11 12:32

Matrix: Solid

Date Received: 07/22/11 12:40

Method: 6020 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	3.0		0.22	0.043	mg/Kg		07/26/11 09:00	07/27/11 22:07	1
Barium	120		0.43	0.19	mg/Kg		07/26/11 09:00	07/28/11 20:22	2
Cadmium	0.13	J	0.22	0.062	mg/Kg		07/26/11 09:00	07/27/11 22:07	1
Chromium	6.9		0.22	0.097	mg/Kg		07/26/11 09:00	07/27/11 22:07	1
Lead	5.3		0.43	0.18	mg/Kg		07/26/11 09:00	07/27/11 22:07	1
Selenium	0.17	J	0.22	0.038	mg/Kg		07/26/11 09:00	07/27/11 22:07	1
Silver	<0.059		0.22	0.059	mg/Kg		07/26/11 09:00	07/27/11 22:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.013		0.14	0.013	mg/Kg		07/27/11 08:30	07/27/11 15:10	1

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

Lab Sample ID: 560-27205-3

Date Collected: 07/22/11 12:34

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 12:57	1
Chloromethane	<0.0011		0.0045	0.0011	mg/Kg			07/25/11 12:57	1
Vinyl chloride	<0.00054		0.0045	0.00054	mg/Kg			07/25/11 12:57	1
Bromomethane	<0.00099		0.0045	0.00099	mg/Kg			07/25/11 12:57	1
Chloroethane	<0.00023		0.0045	0.00023	mg/Kg			07/25/11 12:57	1
Trichlorofluoromethane	<0.00045		0.0045	0.00045	mg/Kg			07/25/11 12:57	1
Ethyl ether	<0.00015		0.0045	0.00015	mg/Kg			07/25/11 12:57	1
1,1-Dichloroethene	<0.00017		0.0045	0.00017	mg/Kg			07/25/11 12:57	1
Carbon disulfide	<0.00090		0.0045	0.00090	mg/Kg			07/25/11 12:57	1
Iodomethane	<0.00072		0.0045	0.00072	mg/Kg			07/25/11 12:57	1
Methylene Chloride	<0.0045		0.022	0.0045	mg/Kg			07/25/11 12:57	1
Acetone	<0.0065		0.045	0.0065	mg/Kg			07/25/11 12:57	1
trans-1,2-Dichloroethene	<0.00045		0.0045	0.00045	mg/Kg			07/25/11 12:57	1
Methyl tert-butyl ether	<0.00055		0.0045	0.00055	mg/Kg			07/25/11 12:57	1
Acetonitrile	<0.033		0.045	0.033	mg/Kg			07/25/11 12:57	1
1,1-Dichloroethane	<0.00053		0.0045	0.00053	mg/Kg			07/25/11 12:57	1
Vinyl acetate	<0.00099		0.0045	0.00099	mg/Kg			07/25/11 12:57	1
cis-1,2-Dichloroethene	<0.00051		0.0045	0.00051	mg/Kg			07/25/11 12:57	1
2,2-Dichloropropane	<0.00076		0.0045	0.00076	mg/Kg			07/25/11 12:57	1
Chloroform	<0.00078		0.0045	0.00078	mg/Kg			07/25/11 12:57	1
Ethyl acetate	<0.0011		0.0045	0.0011	mg/Kg			07/25/11 12:57	1
Carbon tetrachloride	<0.00046		0.0045	0.00046	mg/Kg			07/25/11 12:57	1
1,1,1-Trichloroethane	<0.00063		0.0045	0.00063	mg/Kg			07/25/11 12:57	1
1,1-Dichloropropene	<0.00047		0.0045	0.00047	mg/Kg			07/25/11 12:57	1
Benzene	<0.00021		0.0045	0.00021	mg/Kg			07/25/11 12:57	1
1,2-Dichloroethane	<0.00047		0.0045	0.00047	mg/Kg			07/25/11 12:57	1
Trichloroethene	<0.00025		0.0045	0.00025	mg/Kg			07/25/11 12:57	1
Dibromomethane	<0.00064		0.0045	0.00064	mg/Kg			07/25/11 12:57	1
1,2-Dichloropropane	<0.00013		0.0045	0.00013	mg/Kg			07/25/11 12:57	1
Dichlorobromomethane	<0.00017		0.0045	0.00017	mg/Kg			07/25/11 12:57	1
Methyl methacrylate	<0.00099		0.0045	0.00099	mg/Kg			07/25/11 12:57	1

TestAmerica Corpus Christi