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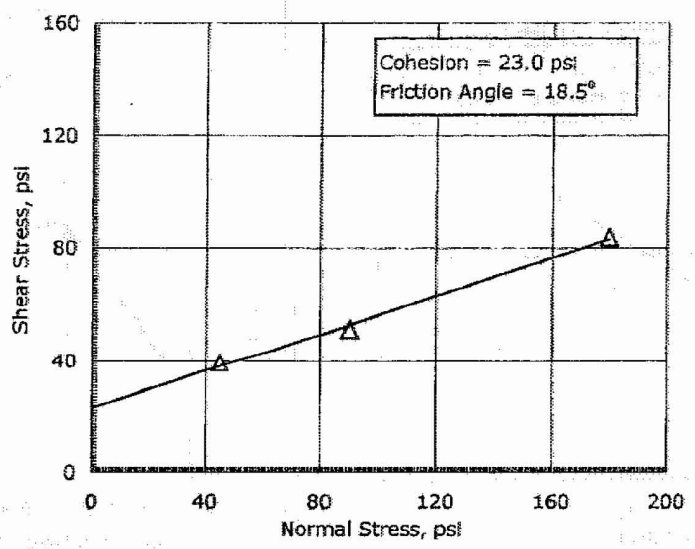
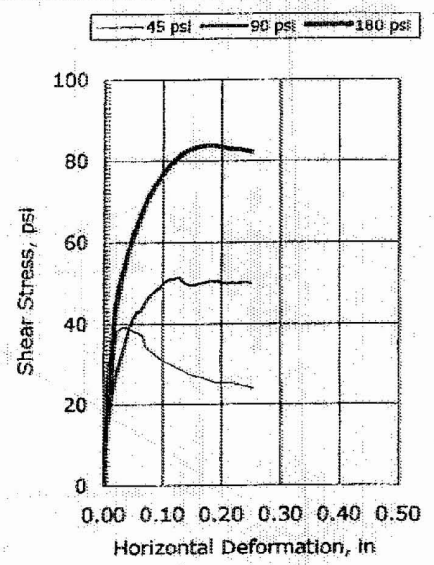
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	10/11/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-423
Sample ID:	S-41
Depth, ft:	188.5-189.0
Visual Description:	Moist olive gray silt

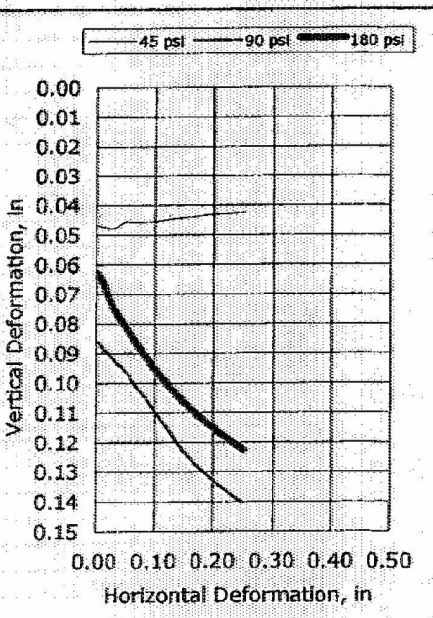
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS130	DS131	DS132
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	123.4	111.4	107.9
Initial Dry Density, pcf:	55.9	50.5	48.5
Initial Moisture Content, %:	71.4	71.2	72.7
Initial Bulk Density, pcf:	95.8	86.5	83.7
Initial Degree of Saturation:	99.6	85.2	81.8
Initial Void Ratio:	1.793	2.090	2.220
Final Dry Density, pcf:	58.4	58.8	55.3
Final Moisture Content, %:	76.1	90.1	70.2
Final Bulk Density, pcf:	102.7	111.7	94.0
Normal Stress, psi:	45.0	90.0	180
Maximum Shear Stress, psi	39.2	51.4	83.8
Shear Rate, in/min:	0.0006	0.0006	0.0006
t_{50}:	---	---	0.9

Sample Type:	Tube
Measured Specific Gravity:	2.5
Liquid Limit:	111
Plastic Limit:	70
Plasticity Index:	41
% Passing #200 sieve:	91
Soil Classification:	Elastic Silt
Group Symbol:	MH



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

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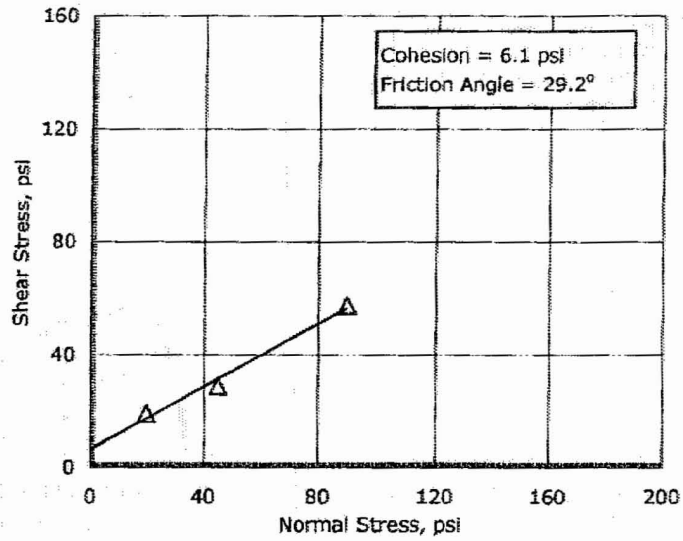
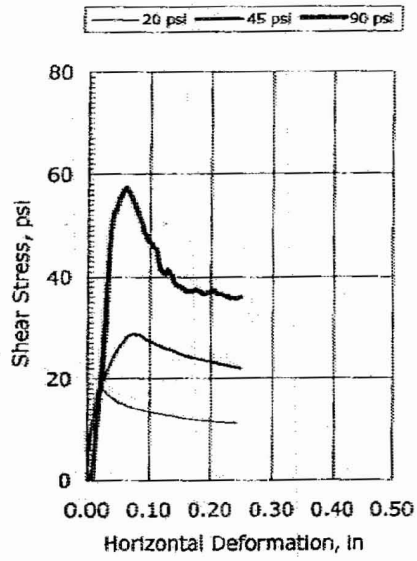
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/26/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-427
Sample ID:	S-16
Depth, ft:	63.5-65.5
Visual Description:	Moist, black sandy organic clay

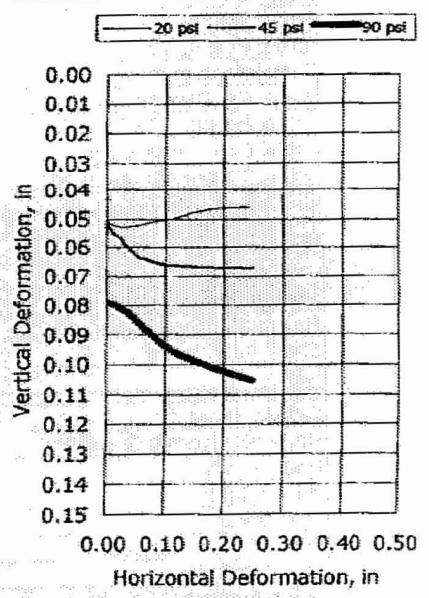
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS98	DS99	DS100
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	147.0	144.9	146.5
Initial Dry Density, pcf:	83.0	83.7	84.4
Initial Moisture Content, %:	35.5	36.2	34.7
Initial Bulk Density, pcf:	112.4	114.1	113.7
Initial Degree of Saturation:	91.7	95.2	92.7
Initial Void Ratio:	1.062	1.043	1.026
Final Dry Density, pcf:	87.0	89.8	94.4
Final Moisture Content, %:	37.7	36.6	37.0
Final Bulk Density, pcf:	119.7	122.6	129.2
Normal Stress, psi:	20.0	45.0	90.0
Maximum Shear Stress, psi	19.0	28.7	57.4
Shear Rate, in/min:	0.0006	0.0006	0.0006
t_{50}:	---	---	2.4

Sample Type:	Tube
Measured Specific Gravity:	2.74
Liquid Limit:	56
Plastic Limit:	18
Plasticity Index:	38
% Passing #200 sieve:	61
Soil Classification:	Sandy organic Clay
Group Symbol:	OH



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

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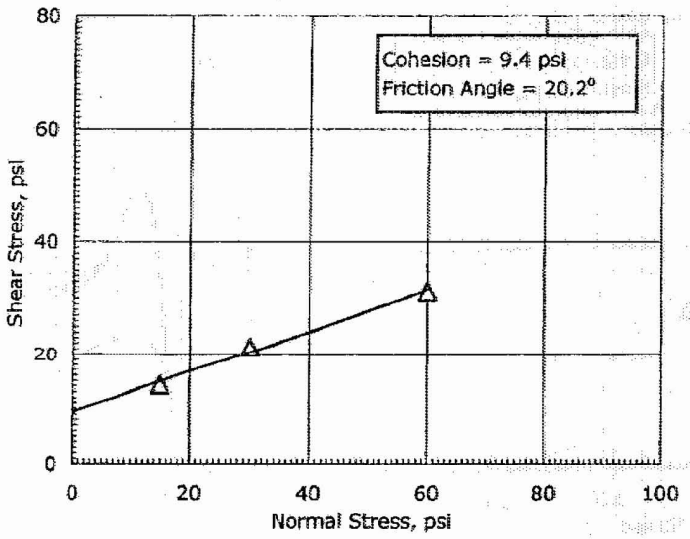
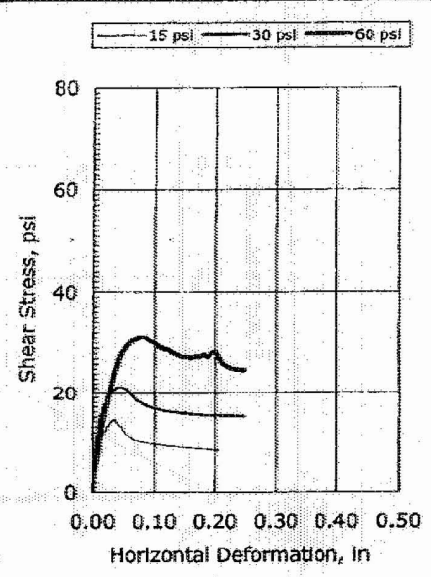
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/23/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-433
Sample ID:	S-11
Depth, ft:	38.5-40.5
Visual Description:	Moist, very dark gray clay

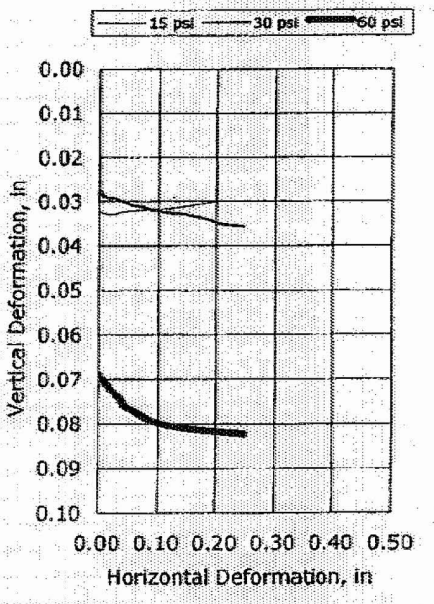
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS28	DS29	DS30
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	149.6	152.5	152.4
Initial Dry Density, pcf:	86.7	89.5	88.7
Initial Moisture Content, %:	34.0	32.3	33.3
Initial Bulk Density, pcf:	116.1	118.4	118.3
Initial Degree of Saturation:	94.6	95.9	97.2
Initial Void Ratio:	0.995	0.933	0.949
Final Dry Density, pcf:	89.3	92.8	96.7
Final Moisture Content, %:	33.0	35.4	34.7
Final Bulk Density, pcf:	118.8	125.6	130.3
Normal Stress, psi:	15.0	30.0	60.0
Maximum Shear Stress, psi	14.3	21.3	31.1
Shear Rate, in/min:	0.0005	0.0005	0.0005
t_{50}:	---	---	3.2

Sample Type:	Tube
Measured Specific Gravity:	2.77
Liquid Limit:	61
Plastic Limit:	14
Plasticity Index:	47
% Passing #200 sieve:	91
Soil Classification:	Fat Clay
Group Symbol:	CH



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

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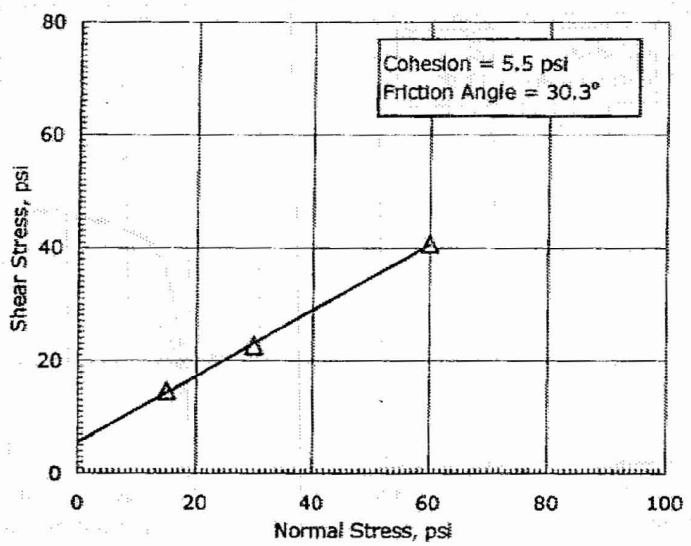
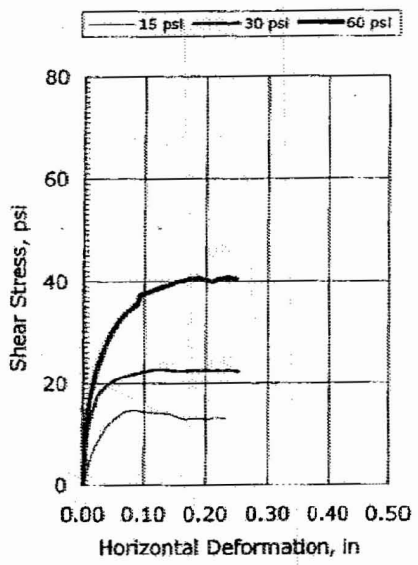
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	10/22/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-440
Sample ID:	S-14
Depth, ft:	51-53
Visual Description:	Moist, dark greenish gray clayey sand

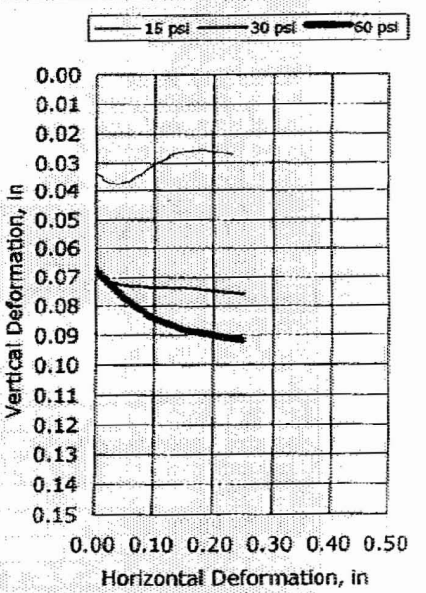
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS143	DS144	DS145
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	154.3	148.3	150.8
Initial Dry Density, pcf:	93.1	87.2	89.6
Initial Moisture Content, %:	28.6	32.1	30.7
Initial Bulk Density, pcf:	119.7	115.1	117.0
Initial Degree of Saturation:	93.1	91.0	92.0
Initial Void Ratio:	0.794	0.821	0.741
Final Dry Density, pcf:	95.7	94.3	98.6
Final Moisture Content, %:	28.7	31.9	27.9
Final Bulk Density, pcf:	123.2	124.3	126.1
Normal Stress, psi:	15.0	30.0	60.0
Maximum Shear Stress, psi	14.6	22.6	40.8
Shear Rate, in/min:	0.0007	0.0007	0.0007
t_{50}:	---	---	5.8

Sample Type:	Tube
Measured Specific Gravity:	2.75
Liquid Limit:	30
Plastic Limit:	21
Plasticity Index:	9
% Passing #200 sieve:	18
Soil Classification:	Clayey Sand
Group Symbol:	SC



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

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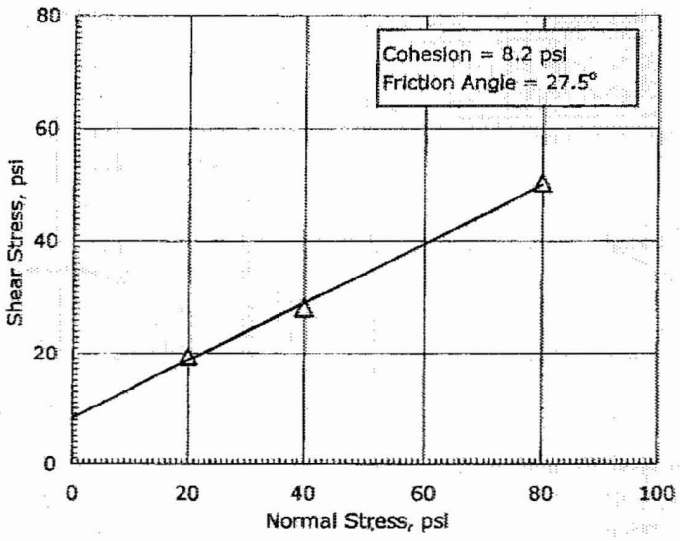
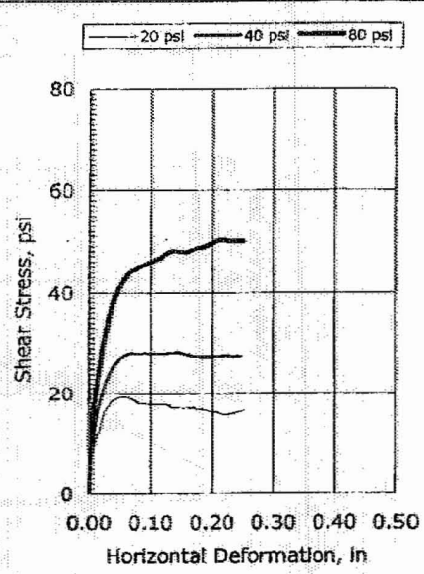
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/22/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-724
Sample ID:	UD-1
Depth, ft:	73.5-75.5
Visual Description:	Moist, dark olive gray sandy organic clay

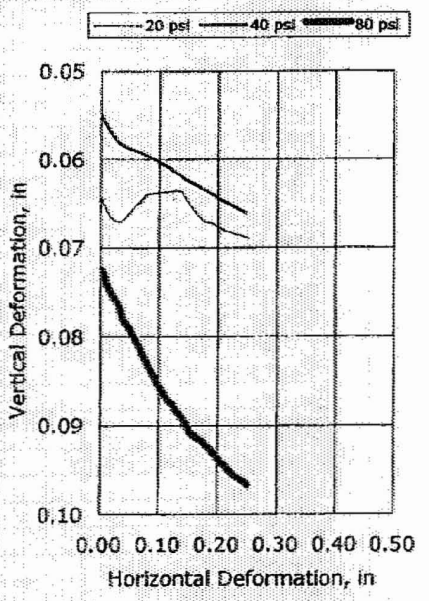
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS25	DS26	DS27
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	149.3	152.0	151.5
Initial Dry Density, pcf:	89.0	90.8	90.1
Initial Moisture Content, %:	30.1	29.9	30.6
Initial Bulk Density, pcf:	115.9	117.9	117.6
Initial Degree of Saturation:	91.1	94.2	94.7
Initial Void Ratio:	0.893	0.856	0.872
Final Dry Density, pcf:	95.6	97.2	99.6
Final Moisture Content, %:	33.0	32.3	31.3
Final Bulk Density, pcf:	127.2	128.7	130.8
Normal Stress, psi:	20.0	40.0	80.0
Maximum Shear Stress, psi	19.3	28.2	50.3
Shear Rate, in/min:	0.001	0.001	0.001
t_{50}:	---	---	0.2

Sample Type:	Tube
Measured Specific Gravity:	2.70
Liquid Limit:	45
Plastic Limit:	24
Plasticity Index:	21
% Passing #200 sieve:	60
Soil Classification:	Sandy Organic Clay
Group Symbol:	OL



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

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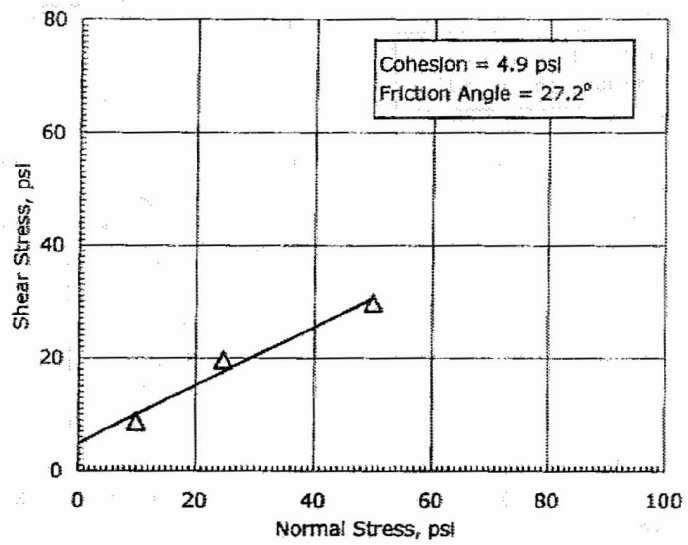
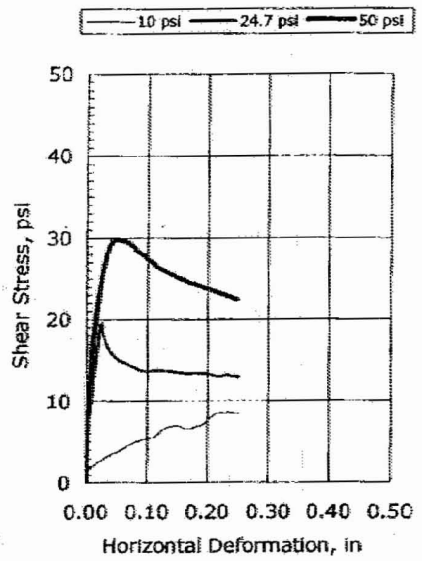
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/21/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-735
Sample ID:	S-9
Depth, ft:	28-30
Visual Description:	Moist, dark gray clay

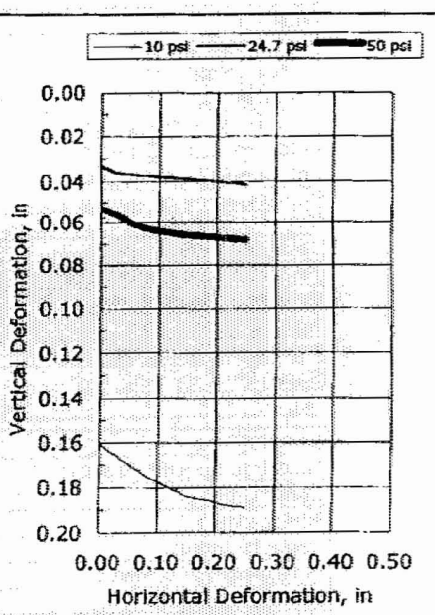
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS16	DS17	DS18
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	142.6	153.3	153.1
Initial Dry Density, pcf:	78.0	90.1	91.3
Initial Moisture Content, %:	42.0	32.0	30.2
Initial Bulk Density, pcf:	110.7	119.0	118.8
Initial Degree of Saturation:	97.8	99.7	96.7
Initial Void Ratio:	1.153	0.863	0.840
Final Dry Density, pcf:	96.2	90.9	97.9
Final Moisture Content, %:	30.3	33.4	33.3
Final Bulk Density, pcf:	125.3	121.2	130.5
Normal Stress, psi:	10.0	24.7	50.0
Maximum Shear Stress, psi	8.7	19.6	29.8
Shear Rate, in/min:	0.0006	0.0006	0.0006
t_{50}:	---	---	1.1

Sample Type:	Tube
Measured Specific Gravity:	2.69
Liquid Limit:	51
Plastic Limit:	16
Plasticity Index:	35
% Passing #200 sieve:	87
Soil Classification:	Fat Clay
Group Symbol:	CH



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

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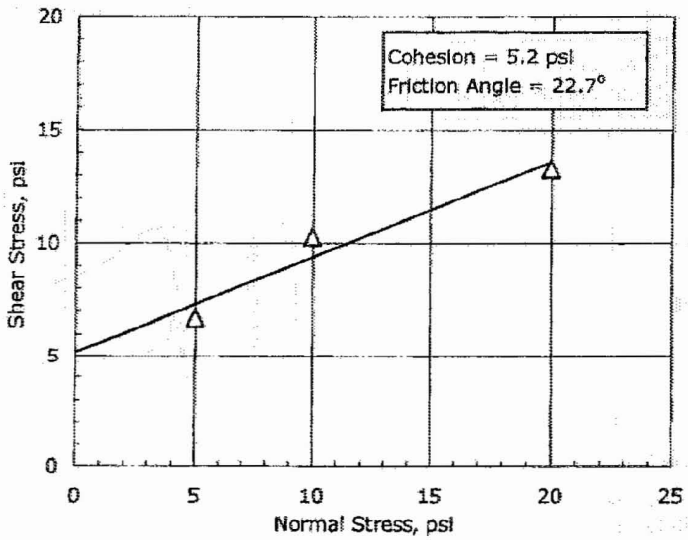
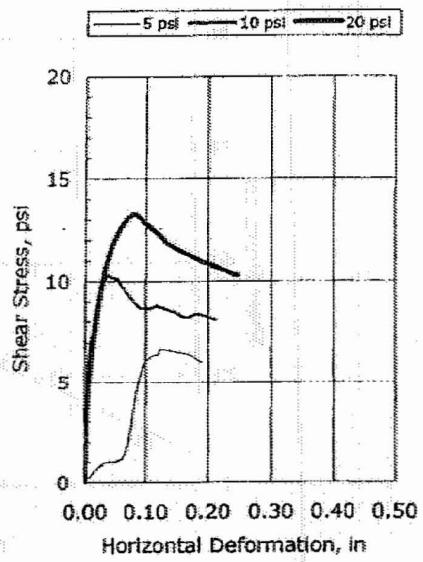
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/20/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-737
Sample ID:	UD-1
Depth, ft:	10.5-12.5
Visual Description:	Moist, very pale brown clay

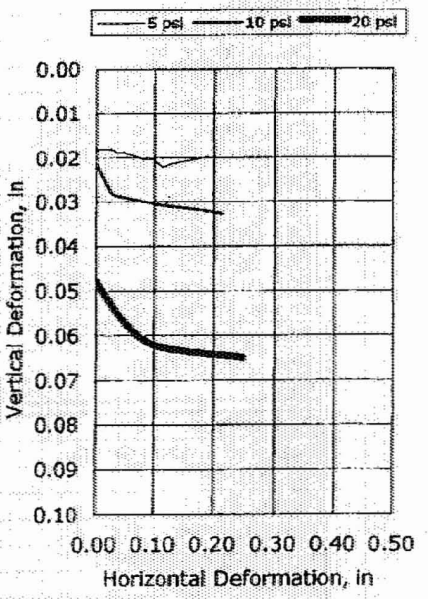
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS13	DS14	DS15
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	147.4	146.9	144.8
Initial Dry Density, pcf:	85.0	86.2	85.3
Initial Moisture Content, %:	34.6	32.3	31.7
Initial Bulk Density, pcf:	114.4	114.0	112.4
Initial Degree of Saturation:	97.7	93.9	90.1
Initial Void Ratio:	0.933	0.906	0.924
Final Dry Density, pcf:	86.3	89.2	91.3
Final Moisture Content, %:	38.0	34.1	33.6
Final Bulk Density, pcf:	119.1	119.6	121.9
Normal Stress, psi:	5.0	10.0	20.0
Maximum Shear Stress, psi	6.7	10.3	13.3
Shear Rate, in/min:	0.0006	0.0006	0.0006
t_{50}:	---	---	1.1

Sample Type:	Tube
Measured Specific Gravity:	2.63
Liquid Limit:	75
Plastic Limit:	23
Plasticity Index:	52
% Passing #200 sieve:	93
Soil Classification:	Fat Clay
Group Symbol:	CH



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

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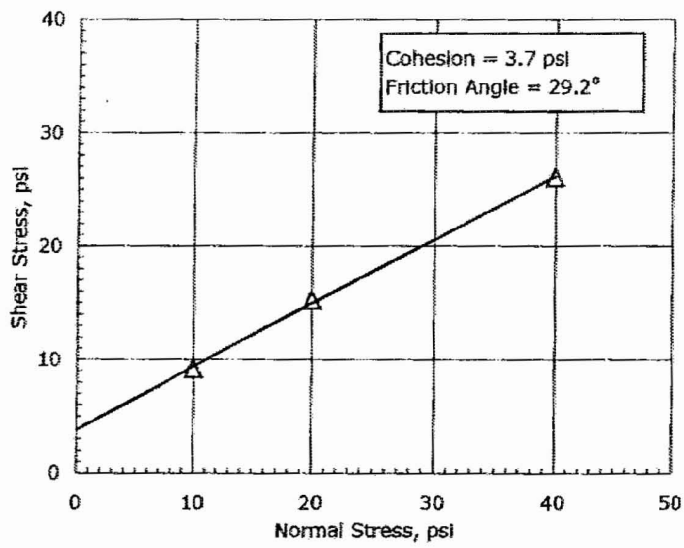
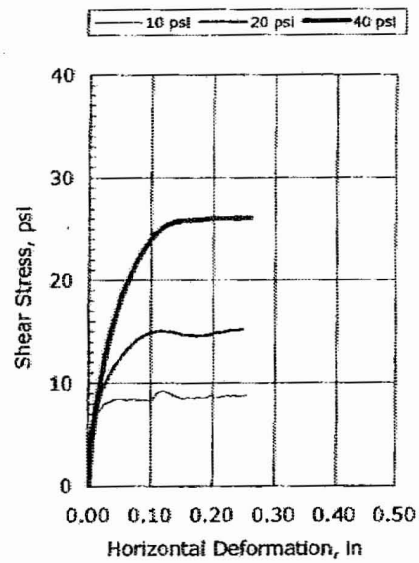
Client:	Schnabel Engineering, Inc.
Project Name:	Subsurface Investigation Calvert Cliffs Nuclear PP
Project Location:	Calvert County, MD
GTX #:	6880
Test Date:	9/20/2006
Tested By:	md
Checked By:	jdt
Boring ID:	B-743
Sample ID:	UD-1
Depth, ft:	23.5-25.5
Visual Description:	Moist, mottled pale yellow, weak red, and brownish yellow sandy clay

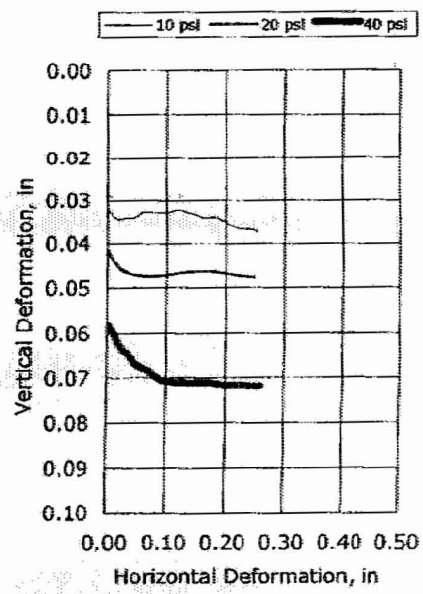
Direct Shear Test of Soils Under Consolidated Drained Conditions by ASTM D 3080-04





Test No.:	DS13	DS14	DS15
Initial Diameter, in:	2.5	2.5	2.5
Initial Height, in:	1.0	1.0	1.0
Initial Mass, grams:	158.5	156.4	152.3
Initial Dry Density, pcf:	100.6	100.2	96.6
Initial Moisture Content, %:	22.2	21.1	22.4
Initial Bulk Density, pcf:	123.0	121.4	118.2
Initial Degree of Saturation:	89.3	84.1	81.5
Initial Void Ratio:	0.669	0.676	0.739
Final Dry Density, pcf:	86.3	89.2	91.3
Final Moisture Content, %:	21.9	22.5	22.8
Final Bulk Density, pcf:	105.3	109.2	112.0
Normal Stress, psi:	10.0	20.0	40.0
Maximum Shear Stress, psi	9.2	15.2	26.1
Shear Rate, in/min:	0.0003	0.0003	0.0003
t_{50}:	---	---	3.7

Sample Type:	Tube
Measured Specific Gravity:	2.69
Liquid Limit:	38
Plastic Limit:	13
Plasticity Index:	25
% Passing #200 sieve:	57
Soil Classification:	Sandy Lean Clay
Group Symbol:	CL



Notes: Moisture content obtained before shear from sample trimmings
Moisture Content determined by ASTM D 2216
Specific Gravity determined by ASTM D 854
Percent passing #200 sieve determined by ASTM D 422

CHEMICAL TEST RESULTS – SOIL

ENVIRO-CHEM
LABORATORIES, INC.

100 Lakefront Drive, Hunt Valley, Maryland 21030 (410) 785-9739

FINAL REPORT OF ANALYSES

Schnabel Engineering
656 Quince Orchard Road
Suite 700
Gaithersburg, MD 20878

PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-012 SAMPLE ID- C-1b
LOCATION- B-301 43.5-45.2
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:28	CHK	26.3	meq/100g	0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	5.9	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	6.0	S.U.	0.10

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FINAL REPORT OF ANALYSES

Schnabel Engineering
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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-007 SAMPLE ID- C-2b
LOCATION- B-303 73.5-75; 78.5-80
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:48	CHK	7.8	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.6	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.6	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-020 SAMPLE ID- C-3b
LOCATION- B-318 43.5-45; 48.5-50
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:32	CHK	27.9	meq/100g	0.5
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	2.5	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	2.6	S.U.	0.10

LABORATORY DIRECTOR

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-008 SAMPLE ID- C-4b
LOCATION- B-323 33.5-35; B-324 32.5-34
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:05	CHK	1.6	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	4.6	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	5.9	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-017 SAMPLE ID- C-5b
LOCATION- B-335 63.5-65; 68.5-70
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:30	CHK	10.1	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.0	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.0	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-018 SAMPLE ID- C-6b
LOCATION- B-401 63.5-65; 73.5-75
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:32	CHK	8.0	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.4	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.4	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-019 SAMPLE ID- C-7b
LOCATION- B-402 23.5-25; 28.5-30
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:30	CHK	31.9	meq/100g	0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	2.9	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	3.0	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-005 SAMPLE ID- C-8b
LOCATION- B-422 48.5-50.5
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:26	CHK	22.8	meq/100g	0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	4.8	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	4.9	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-009 SAMPLE ID- C-9b
LOCATION- B-424 33.5-35; 38.5-40
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:09	CHK	3.1	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	5.0	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	5.8	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-014 SAMPLE ID- C-10b
LOCATION- B-428 38.5-40; B-429 38.5-40
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:25	CHK	2.0	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.1	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.8	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 30-Jan-07

LAB#- ECL013289-004 SAMPLE ID- C-11b
LOCATION- B-428 63-65
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 13:24	CHK	24.9	meq/100g	0.3
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	3.8	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	3.9	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-011 SAMPLE ID- C-12b
LOCATION- B-705 43.5-45; 48.5-50
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:13	CHK	7.0	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.3	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.3	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-015 SAMPLE ID- C-13b
LOCATION- B-708 23.5-25; 28.5-30
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:27	CHK	7.2	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.3	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.4	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-013 SAMPLE ID- C-14b
LOCATION- B-711 28.5-30; 33.5-35
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:19	CHK	6.6	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.8	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 30-Jan-07

LAB#- ECL013289-002 SAMPLE ID- C-15b
LOCATION- B-725 48.5-50; 53.5-55
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:39	CHK	8.5	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.8	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-001 SAMPLE ID- C-16b
LOCATION- B-735 63.5-65; 68.5-70
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:35	CHK	6.6	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.7	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 30-Jan-07

LAB#- ECL013289-003 SAMPLE ID- C-17b
LOCATION- B-744 48.5-50; 53.5-55
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:41	CHK	16.8	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	3.0	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	3.4	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-016 SAMPLE ID- C-18b
LOCATION- B-756 33.5-35; 38.5-40
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 12:28	CHK	9.6	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	5.8	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	6.4	S.U.	0.10

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PROJECT NAME:
REPORT DATE: 24-Jan-07

LAB#- ECL013289-006 SAMPLE ID- C-19b
LOCATION- B-768 43.5-45
DATE SAMPLED- TIME SAMPLED- SAMPLER-
DATE RECEIVED- 1/8/2007 TIME RECEIVED- 16:15
DELIVERED BY- M. Dunscomb RECEIVED BY- VPS

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT		DETECTION LIMIT
Cation Exch. Capacity	EPA 9081	1/17/2007 11:46	CHK	6.8	meq/100g	0.1
pH in calcium chloride	ASTM D4972	1/15/2007 13:20	SES	7.1	S.U.	0.10
pH in deionized water	ASTM D4972	1/15/2007 13:20	SES	7.2	S.U.	0.10