

APPENDIX A

Monitoring Well Logs



ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

209 Shafter Street
Islandia, New York 11749
Telephone: 631-232-2600
Fax: 631-232-9898

Page 1 of 1

SOIL BORING LOG

WELL NO. SB-1	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 17230Y17 / ExxonMobil - Greenpoint	LOCATION Greenpoint	
APPROVED BY C. Proce	LOGGED BY T. Pitterle	Brooklyn, New York
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Jiri	GEOGRAPHIC AREA Empire Varnish	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 12/11/06-12/14/06
		BACKFILL Soil cuttings

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0		Concrete.		0.0	
5		Dark brown, fine to coarse SAND, little Concrete, trace Silt, trace wood; moist. Asphalt. Brown, fine to medium SAND, trace Silt, trace Gravel; dry.			Soil sample, SB-1/1-2, collected for VOCs, SVOCs, metals, TPH and full list TCLP analyses.
10		Orange-brown, medium to fine SAND, little Gravel, trace pyrite; dry to moist. Grayish brown, medium to fine SAND, some Gravel, trace red Brick; dry to moist.			Soil staining and odors evident.
15		Gray, fine to medium SAND, little Gravel; dry to moist.			
20		Brown, fine to medium SAND, trace Gravel; dry.			Soil staining and odors evident.
25		Brownish-gray, medium to fine SAND, little Gravel; dry to moist. Brownish-gray, medium to coarse SAND, some Quartz, little Gravel; dry. Brownish-gray, fine to medium SAND, little Gravel; dry.			
30		Brownish-gray fine to medium SAND, some Gravel, trace Granite; dry.			
35		Orange-brown, fine to medium SAND, little Gravel; moist. Brownish-gray, fine to coarse SAND, some Gravel, little Coal, trace red Brick; moist. Brown, coarse to medium SAND, little Gravel; moist. Brown, medium to fine SAND, moist. Brownish-gray, medium to coarse SAND, some Gravel, trace Quartz and red Brick; moist. Brownish-gray, fine to medium SAND; MOIST.			
35		Brown, fine SAND, some Silt; moist. Brown, fine to medium SAND; moist.			Soil staining and odors evident. Soil sample, SB-1/27.5-30, collected for VOCs, SVOCs, metals, TPH and full list TCLP analyses.
35		Brown, fine to medium SAND, trace Silt; moist. Brownish-gray, fine to medium SAND; wet			Odors and free-product present.
35					Bottom of Boring at 35 ft bls.

BORING/FEET 17230Y17RW.GPJ ROUX.GDT 1/26/07



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Page 1 of 1

WELL NO. SB-2	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 17230Y17 / ExxonMobil - Greenpoint	LOCATION Greenpoint	
APPROVED BY C. Proce	LOGGED BY T. Pitterle	Brooklyn, New York
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Jiri	GEOGRAPHIC AREA Empire Varnish	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
	BACKFILL Soil Cuttings	START-FINISH DATE 12/12/06-12/14/06

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
.....		Concrete.		0.0	
.....		Dark brown, fine to coarse SAND, some crushed metal and Gravel, trace Silt; dry.			Soil sample, SB-2/1-2, collected for VOCs, SVOCs, Metals, TPH and full list TCLP analyses.
5		Brown, fine to medium SAND, little Gravel; dry.			5
.....		Orange-brown, fine to medium SAND, little Gravel, trace Silt; dry.		0.0	
.....		Orange-brown, fine to medium SAND, little Gravel, trace Silt, trace Granite; dry.		0.0	
10		Orange-brown, fine to medium SAND, trace gravel; dry.		0.5	10
.....		Brown, fine to medium SAND, little gravel; dry.		0.2	
15		Brown, fine to medium SAND, some Gravel; dry.		7.9	15
.....		Brown, fine to medium SAND, little Silt, trace Gravel; dry.			
.....		Brown to reddish brown, fine to medium SAND, trace Silt; dry.		11.2	
20		Brown, coarse to fine SAND, little Gravel, trace Granite; dry.			20
.....		Dark brown, to black, fine to medium SAND, some Gravel, trace silt; dry.		17.9	
.....		Black, fine to medium SAND, some Gravel, trace red Brick; dry.		48.1	Odors evident. Interval from 20 to 25 ft bls appears sooty and ashy.
25		Brown, fine to medium SAND; dry.		67.5	25
.....		Grayish brown, fine to medium SAND; wet.		2.8	Soil sample, SB-2/27.5-30, collected for VOCs, SVOCs, Metals and TPH analyses.
30				327	30
.....				244	Soil staining and odors evident. Free product present.
35					Bottom of boring at 35 ft bls. 35

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Page 1 of 1

SOIL BORING LOG

WELL NO. SB-3	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 17230Y17 / ExxonMobil - Greenpoint	LOCATION Greenpoint	
APPROVED BY C. Proce	LOGGED BY T. Pitterle	Brooklyn, New York
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Jiri	GEOGRAPHIC AREA Empire Varnish	
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	SAMPLING METHOD 2" Macro-Core
		START-FINISH DATE 12/12/06-12/14/06
		BACKFILL Soil Cuttings

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete.		1.6	
		Dark gray, fine to medium SAND, some Gravel, little red Brick, trace coal and glass; dry.		G	Soil sample, SB-3/1-2, collected for VOCs, SVOCs, metals, TPH and full list TCLP analyses.
		Brown, fine to medium SAND, little Gravel; dry.		G	
5		Light brown, fine to coarse SAND, some Gravel; dry to moist.		5.1	
				62.7	
10		Gray, coarse to fine SAND, some Gravel; dry to moist. Brown to gray, fine to coarse SAND, some Gravel; moist.		121	Soil staining and odors evident.
				140	
15		Brown, medium to coarse SAND, some Gravel; moist/dry.		6.1	
				16.4	
20		Light Brown to tan, medium to coarse (+) SAND, some gravel; moist/dry.		8.1	
		Light brown to tan, fine to medium (+) SAND; dry/moist.		27.3	
25		Brown to tan, fine to medium SAND; dry/moist.		52.4	
		Brown to light gray, fine to medium SAND, little Gravel; dry to moist.		474	Soil sample, SB-3/27.5-30, collected for VOCs, SVOCs, Metals and TPH analyses.
30		Brownish-gray, fine to medium SAND; moist.		370	Soil staining and odors evident. Free product present.
				235	
35		Brownish-gray, medium to coarse SAND; wet.			Bottom of boring at 35 ft bls.

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WELL NO. SB-4		NORTHING Not Measured	EASTING Not Measured		
PROJECT NO./NAME 17230Y17 / ExxonMobil - Greenpoint		LOCATION Greenpoint			
APPROVED BY C. Proce		LOGGED BY C. Pitterle		Brooklyn, New York	
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Jiri		GEOGRAPHIC AREA Empire Varnish			
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	DRILLING EQUIPMENT/METHOD 6610 / Geoprobe	SAMPLING METHOD 2" Macro-Core	START-FINISH DATE 12/11/06-12/15/06	
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	BACKFILL Soil Cuttings			

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
0		Concrete.		0.0	
5		Dark brown, medium to fine SAND, some Gravel; dry.		0.0	Soil sample, SB-4/1-2, collected for VOCs, SVOCs, metals, TPH and full list TCLP analyses.
10		Dark brown, medium to fine SAND AND GRAVEL, some Quartz, trace red Brick; moist to dry.		0.0	
15		Light brown to orange-brown, fine to medium SAND, little Gravel, trace organics; dry.		0.0	
20		Brown, fine to medium SAND, trace Gravel and red Brick; dry.		1.0	
25		Dark brown to gray, fine to medium SAND, some Gravel, trace red Brick; moist.		0.0	
		Light brown, fine to medium SAND, little Gravel; moist.		0.0	
		Lt gray to brown, medium to fine SAND, trace Gravel; wet.		0.0	Soil staining and odors evident.
		Dark brown, medium to fine SAND, some Gravel, little Silt, wet.		0.0	
		Gray, medium to coarse SAND, little Gravel, trace silt; wet.		0.0	Soil staining and odors evident.
		Gray, fine to medium SAND; dry.		0.0	
		Gray, fine to medium SAND, little Gravel, trace Silt; moist.		0.0	Soil sample, SB-4/20-22.5, collected for VOCs, SVOCs, metals and TPH analyses. Soil staining and odors evident.
		Light gray to brown, fine to medium SAND; moist.		975	
		Light gray to brown, fine to medium SAND; wet.			Soil staining and odors evident. Free product present. Bottom of boring at 25 ft bls.

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Page 1 of 1

WELL NO. SB-5	NORTHING Not Measured	EASTING Not Measured
PROJECT NO./NAME 17230Y17 / ExxonMobil - Greenpoint		LOCATION Greenpoint
APPROVED BY C. Proce	LOGGED BY T. Pitterle	GEOGRAPHIC AREA Brooklyn, New York
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Jiri		DRILLING EQUIPMENT/METHOD 6610 / Geoprobe
DRILL BIT DIAMETER/TYPE 2-in. / Drive Sampler	BOREHOLE DIAMETER 2-inches	SAMPLING METHOD 2" Macro-Core
LAND SURFACE ELEVATION Not Measured	DEPTH TO WATER Not Measured	START-FINISH DATE 12/11/06-12/15/06
		BACKFILL Soil Cuttings

Depth, feet	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
		Concrete.		0.0	
		Brown, fine SAND and SILT, some pebbles; dry.			Soil sample, SB-5/1-2, collected for VOCs, SVOCs, metals, TPH and full list TCLP analyses.
5		Brown to orange brown, medium to fine SAND, some Gravel, little pink Quartz, trace Silt, trace red Brick; dry to moist.		0.0	
		Dark brown to dark gray, medium to fine SAND, some Gravel, little organics, trace silt, trace red Brick; dry to moist.		0.0	
10		Brown to dark brown, medium to fine SAND, some Gravel, trace Silt; dry to moist.		0.0	
		Dark gray to black, fine to medium SAND, some Gravel; dry.		0.0	Soil sample, SB-5/12.5-15, collected for VOCs, SVOCs, metals and TPH analyses. Soil staining and odors evident.
15		Dark gray to brown, fine to medium SAND, little Gravel, moist to wet.		0.0	
		Gray, SILTY SAND, some Gravel, trace Clay; wet.		0.0	Soil staining and odors evident. Free product evident.
20					Bottom at boring at 20 ft bls.

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Page 1 of 1

WELL CONSTRUCTION LOG

WELL NO. MW-90		NORTHING Not Measured		EASTING Not Measured																																																																																																																																																		
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APPROVED BY C. Proce		LOGGED BY T. Bispham		Brooklyn, New York																																																																																																																																																		
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Tony				GEOGRAPHIC AREA Western corner of Empire Varnish Yard																																																																																																																																																		
DRILL BIT DIAMETER/TYPE 4-in. / Auger		BOREHOLE DIAMETER 4-inches		DRILLING EQUIPMENT/METHOD LC-55 / HSA																																																																																																																																																		
CASING MAT./DIA. SCH 40 PVC / 4-inch		SCREEN: TYPE Slotted		SAMPLING METHOD 2" Split Spoon																																																																																																																																																		
ELEVATION OF: (Feet)		GROUND SURFACE		START-FINISH DATE 12/12/06-12/19/06																																																																																																																																																		
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Brown to grayish brown, medium to fine SAND, trace Brick, trace ceramic Tile; dry/moist.</td><td></td><td>18.3</td><td></td></tr><tr><td>25</td><td>Brown, medium to fine SAND, trace Silt; dry to wet. Brown, medium to fine SAND, trace Gravel; dry to moist.</td><td></td><td>39.8</td><td></td></tr><tr><td>30</td><td>Brown, coarse to fine SAND, little Gravel; dry/moist.</td><td></td><td>32.8</td><td></td></tr><tr><td>35</td><td>Brown, coarse to fine SAND, trace Gravel; dry/moist.</td><td></td><td>124</td><td></td></tr><tr><td>40</td><td>Tan to Brown, medium to fine SAND, trace Gravel; dry/moist.</td><td></td><td>98.4</td><td></td></tr><tr><td>45</td><td>Tan to Brown, medium to fine SAND; Dry/moist.</td><td></td><td>162</td><td></td></tr><tr><td>50</td><td>Brown to black, medium to fine SAND; moist.</td><td></td><td>70.1</td><td></td></tr><tr><td>55</td><td>Brown to gray, medium to fine SAND; wet. Brown to gray, coarse to fine SAND; wet. Brown to dark gray, coarse to fine SAND; wet.</td><td></td><td>291</td><td></td></tr><tr><td>60</td><td>Gray to Brown, coarse to fine SAND; wet.</td><td></td><td>1481</td><td>Soil sample, MW-90/29-31, collected for VOCs, SVOCs, metals and TPH analyses.</td></tr><tr><td>65</td><td>Brown, coarse to fine SAND; wet.</td><td></td><td>773</td><td>Black staining and odors evident.</td></tr><tr><td>70</td><td></td><td></td><td>448</td><td>Product in split spoon. Odors evident.</td></tr><tr><td>75</td><td></td><td></td><td>384</td><td>Product in split spoon. Odors evident.</td></tr><tr><td>80</td><td></td><td></td><td>238</td><td>Dark gray soil staining. Odors evident.</td></tr><tr><td>85</td><td></td><td></td><td>177</td><td></td></tr><tr><td>90</td><td></td><td></td><td>207</td><td></td></tr><tr><td>95</td><td></td><td></td><td>22.2</td><td></td></tr><tr><td>100</td><td></td><td></td><td>0.0</td><td></td></tr><tr><td>105</td><td></td><td></td><td>0.0</td><td></td></tr><tr><td>110</td><td></td><td></td><td>0.0</td><td></td></tr><tr><td>115</td><td></td><td></td><td>5.3</td><td></td></tr><tr><td>120</td><td></td><td></td><td>0.0</td><td></td></tr><tr><td>125</td><td></td><td></td><td>0.0</td><td></td></tr><tr><td>130</td><td></td><td></td><td>0.0</td><td></td></tr><tr><td>135</td><td></td><td></td><td>139</td><td></td></tr><tr><td>140</td><td></td><td></td><td></td><td>Bottom of boring at 67 ft bls.</td></tr></table>						Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS	5	Dark Brown, fine to coarse SAND, trace crushed Metal, trace Gravel, trace Silt; dry. Brown, fine to medium SAND, trace Silt, trace Gravel; dry.		17.9	Soil sample, MW-90/1-2, collected for VOCs, SVOCs, Metals, TPH, RCRA characteristics and full TCLP analyses.	10	Brown to dark brown, medium to fine SAND, little Gravel; trace ash material; dry. Brown to dark brown, medium to fine SAND, some Gravel; trace wood; dry.		19.5	Odors evident.	15	Brown to dark brown, medium to fine SAND, trace Gravel; dry.		0.0		20	Brown, to dark brown, medium to fine SAND, some white chalky material, little Gravel; trace ash material; dry/moist. Brown to grayish brown, medium to fine SAND, trace Brick, trace ceramic Tile; dry/moist.		18.3		25	Brown, medium to fine SAND, trace Silt; dry to wet. Brown, medium to fine SAND, trace Gravel; dry to moist.		39.8		30	Brown, coarse to fine SAND, little Gravel; dry/moist.		32.8		35	Brown, coarse to fine SAND, trace Gravel; dry/moist.		124		40	Tan to Brown, medium to fine SAND, trace Gravel; dry/moist.		98.4		45	Tan to Brown, medium to fine SAND; Dry/moist.		162		50	Brown to black, medium to fine SAND; moist.		70.1		55	Brown to gray, medium to fine SAND; wet. Brown to gray, coarse to fine SAND; wet. Brown to dark gray, coarse to fine SAND; wet.		291		60	Gray to Brown, coarse to fine SAND; wet.		1481	Soil sample, MW-90/29-31, collected for VOCs, SVOCs, metals and TPH analyses.	65	Brown, coarse to fine SAND; wet.		773	Black staining and odors evident.	70			448	Product in split spoon. Odors evident.	75			384	Product in split spoon. Odors evident.	80			238	Dark gray soil staining. Odors evident.	85			177		90			207		95			22.2		100			0.0		105			0.0		110			0.0		115			5.3		120			0.0		125			0.0		130			0.0		135			139		140				Bottom of boring at 67 ft bls.
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Page 1 of 1

WELL CONSTRUCTION LOG

WELL NO. MW-93		NORTHING Not Measured	EASTING Not Measured	
PROJECT NO./NAME 17230Y17 / ExxonMobil - Greenpoint			LOCATION Greenpoint	
APPROVED BY C. Proce		LOGGED BY T. Bispham		Brooklyn, New York
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Tony			GEOGRAPHIC AREA Eastern corner of Empire Varnish Yard	
DRILL BIT DIAMETER/TYPE 4-in. / Auger	BOREHOLE DIAMETER 4-inches	DRILLING EQUIPMENT/METHOD LC-55 / HSA	SAMPLING METHOD 2" Split Spoon	START-FINISH DATE 12/11/06-12/19/06
CASING MAT./DIA. SCH 40 PVC / 4-inch	SCREEN: TYPE Slotted	MAT. SCH 40 PVC TOTAL LENGTH 20.0r DIA. 4-inch SLOT SIZE 50-Slot		
ELEVATION OF: (Feet)		GROUND SURFACE		TOP OF WELL CASING
		TOP & BOTTOM SCREEN		GRAVEL PACK SIZES More #3

Depth, feet	Flushmount Well Cap	J-Plug	Graphic Log	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
5			Concrete	Concrete and Gravel. Dark brown, medium to fine SAND, some Gravel, trace Concrete. dry.		0.0	Hand-cleared to 5 ft bls. Soil sample, MW-93/1-2, collected for VOCs, SVOCs, Metals, TPH, RCRA characteristics, Full TCLP analyses.
10			Grout	Concrete and Gravel. Light brown, medium to fine SAND, little Gravel, trace Silt; dry.		0.0	
15			SCH-40 PVC Riser	Brown to dark brown, coarse to fine SAND, trace Gravel, trace black ash material; moist.		0.0	
20				Brown, coarse to fine SAND, trace Mica, trace Gravel; moist.		30.7	No Recovery.
25			Bentonite Layer	Brown, coarse to fine SAND, trace Gravel; moist to wet.		28.5	Odors evident.
30				No Recovery.		0.0	
35			#3 More Sand 50-Slot PVC Screen	Brown, coarse to fine SAND; moist to wet.		65.5	
40				Dark brown, coarse to medium (+) SAND; moist to wet.		109	Odors evident.
45				Dark brown, coarse to medium (-) SAND; wet/moist.		1258	
50				Tan to dark brown, medium SAND, trace gravel; moist to wet.		1625	
55				Tan to dark brown, coarse to fine SAND, little Gravel; moist to wet.		1837	Soil sample, MW-93/27-29, collected for VOCs, SVOCs, TPH and metals analyses.
60				Light brown, medium to fine (+) SAND, moist to wet.		1955	
65				Brown, medium to fine SAND, trace gravel; moist to wet.		1811	Shoen on soil at 31-33 ft bls interval. Odors also evident.
70				Brown, coarse to fine SAND, trace Gravel; wet.		1026	
75				Brown, medium to fine SAND, trace Gravel; wet.		1033	Shoen on soil at 35-37 ft bls interval. Odors also evident.
80				Brown, medium to fine SAND, trace Silt; wet.		976	
85				Tan to brown, coarse to fine SAND; wet.		1778	
90				Brown, coarse to fine SAND; wet.		1391	Odors evident.
95				Brown, coarse to medium SAND; wet.		441	
100				Brown, coarse to fine SAND; wet.		1187	Odors evident.
105				Brown, medium to fine SAND; wet.		825	
110						2279	
115						1310	
120						2111	
125						665	
130						1440	Odors evident.
135						525	
140						357	
145						207	
150						126	
155						73.8	Bottom of boring at 71 ft bls.

BORING/FEET 17230Y17RW.GPJ ROUX.GDT 1/25/07



209 Shafter Street
Islandia, New York 11749
Telephone: 631-232-2600
Fax: 631-232-9898

WELL CONSTRUCTION LOG

WELL NO. MW-94		NORTHING Not Measured		EASTING Not Measured	
PROJECT NO./NAME 17230Y17 / ExxonMobil - Greenpoint				LOCATION Greenpoint	
APPROVED BY C. Proce		LOGGED BY T. Bispham		BROOKLYN, NEW YORK	
DRILLING CONTRACTOR/DRILLER Aquifer Drilling & Testing / Tony				GEOGRAPHIC AREA Empire Varnish - North Yard	
DRILL BIT DIAMETER/TYPE 4-in. / Auger		BOREHOLE DIAMETER 4-inches		DRILLING EQUIPMENT/METHOD LC-55 / HSA	SAMPLING METHOD 2" Split Spoon
CASING MAT./DIA. SCH 40 PVC / 4-inch		SCREEN: TYPE Slotted		MAT. SCH 40 PVC	TOTAL LENGTH 15.0ft
ELEVATION OF: (Feet)		GROUND SURFACE		TOP OF WELL CASING	TOP & BOTTOM SCREEN
GRAVEL PACK SIZES Morie #3					

Depth, feet	Visual Description	Blow Counts per 6"	PID Values (ppm)	REMARKS
	Concrete. Brown, fine to medium SAND, some Gravel; dry.			Handcleared to 8 ft bls.
5	Grout Concrete. Brown, fine to medium SAND, little Gravel; dry.			
10	SCH40 PVC Riser Bentonite Seal Brown, coarse to fine SAND, some Gravel, little Brick, trace Silt; dry to moist.	2 3 3 2	4.6	
	Black, ash material, little brown, medium to fine Sand; dry to moist.	2 2 3 2	21.3	
	No recovery.			
15	Brown, coarse to fine SAND; moist. Gray SILT, trace Clay; moist. Light brown, coarse to fine SAND, trace Gravel; moist. Brown to gray, coarse to fine SAND, some Gravel, trace Silt; wet.	1 1 1 2	227 82.1	Gray staining and odors evident.
	No Recovery.	1 1 1 2		
20	Brown to black, coarse to fine SAND, trace Silt; wet. Brown, coarse to fine SAND, little Silt, trace Gravel; wet. Brown to gray, coarse to fine SAND, little Silt, little Gravel, trace Clay; wet.	2 2 3 4	165 194	Black staining and odors evident.
	Brown, coarse to fine SAND, trace Silt, trace Gravel; wet.		37.8	
25	Brownish-gray, fine to medium SAND, some Gravel, little red Brick; wet. Brownish-gray, Silty CLAY; wet. Brownish-gray, fine to medium SAND and SILT, little Gravel; wet. Brownish-gray, fine to medium SAND, some Silt, trace Gravel; wet.		32.6 1248	
	Gray to black, fine to coarse SAND, some Gravel; wet.			Bottom of Boring at 29 ft bls.

APPENDIX B

Laboratory Analytical Data

APPENDIX C

Hydrocarbon Characterization Data - Gas Chromatographs



CHAIN OF CUSTODY

FORM 100-101 Y

ROUX ASSOCIATES, INC.
Environmental Consulting
& Management

209 SHAFER STREET
ISLANDIA, NEW YORK 11749-5074
(631) 232-2600 FAX: (631) 232-9898

PAGE 1 OF 1

ANALYSES

PROJECT NAME

XDM- Greenpoint

PROJECT NUMBER

177230417

PROJECT LOCATION

XDM- Greenpoint, Brooklyn, New York

PROJECT MANAGER

J. Kennedy

SAMPLER(S)

T. Bishop

SAMPLE
DESIGNATION / LOCATION

NW-90

DATE
COLLECTED

12-2-06

TIME
COLLECTED

1400

Product

3

NOTES

TOTAL BOTTLES

SAMPLE MATRIX
Characterization, fingerprinting,
density, viscosity, interfacial
tensions, surface tension

3

RELINQUISHED BY: (SIGNATURE)

J. Kennedy

FOR

DATE

12-02-07

TIME

1100

SEAL
INTACT

Y OR N

RECEIVED BY: (SIGNATURE)

T. Bishop

FOR

DATE

1-4-07

TIME

0850

SEAL
INTACT

Y OR N

RELINQUISHED BY: (SIGNATURE)

J. Kennedy

FOR

DATE

12-02-07

TIME

1100

SEAL
INTACT

Y OR N

RECEIVED BY: (SIGNATURE)

T. Bishop

FOR

DATE

1-4-07

TIME

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Y OR N

DELIVERY METHOD

FedEx

ANALYTICAL LABORATORY

10R Kelson

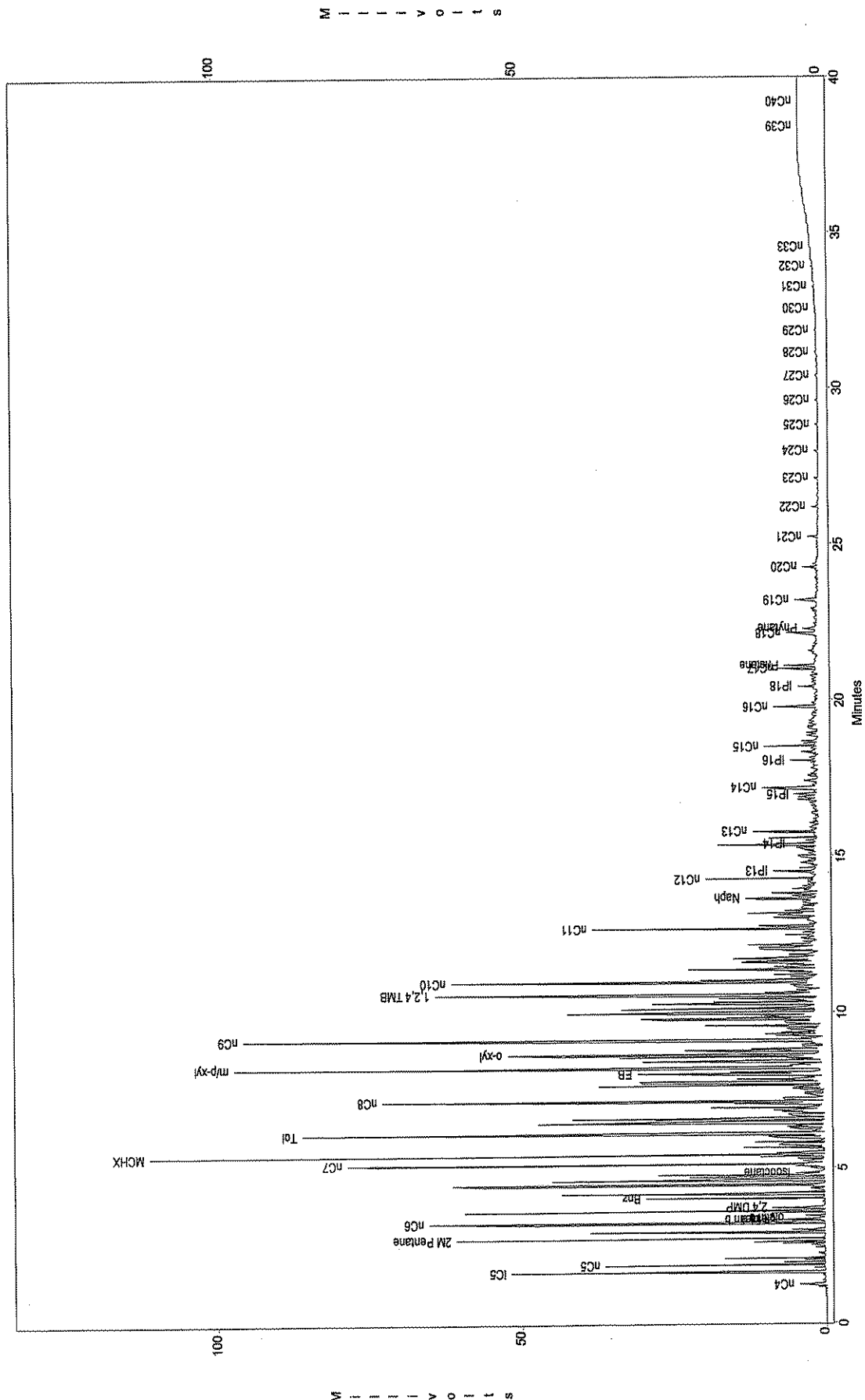
COMMENTS

Use DI water for oil/water tension

Torkelson Geochemistry, Inc.

XOM - Greenpoint, Brooklyn, NY
 Sample ID : MW-90
 Acquired : Jan 08, 2007 11:47:09

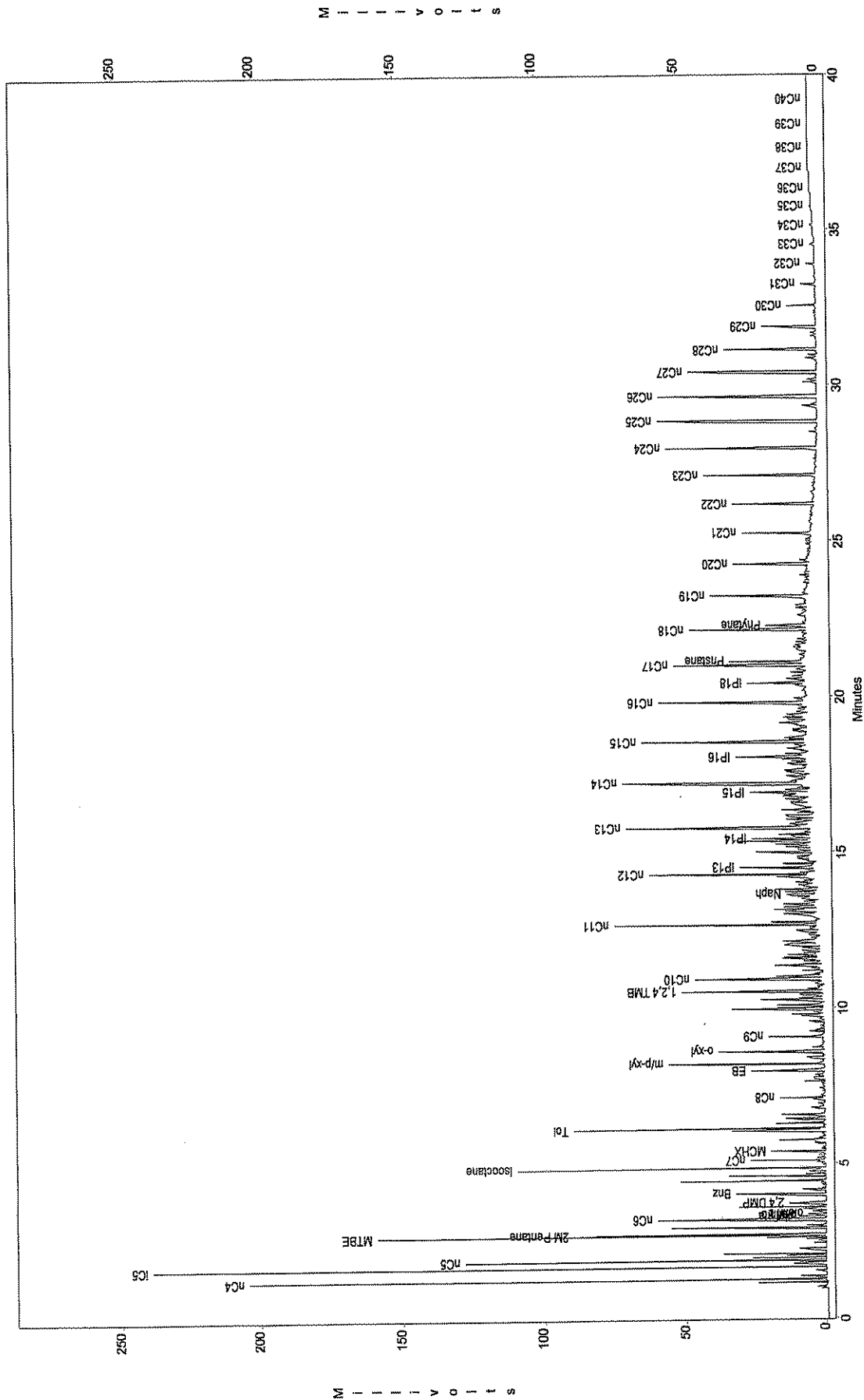
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Torkelson Geochemistry, Inc.

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Sample ID : Gas/Dies/Wax std
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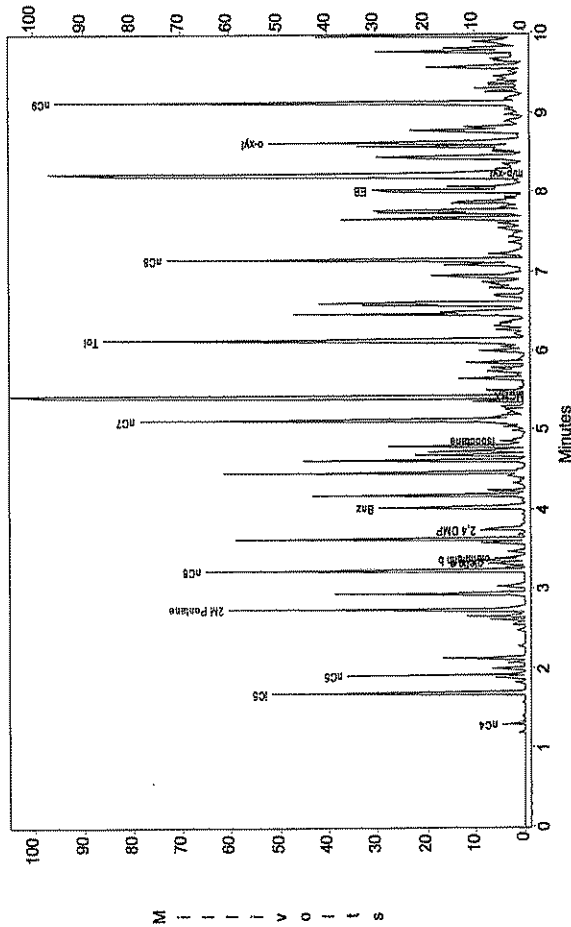
Torkelson Geochemistry, Inc.

XOM - Greenpoint, Brooklyn, NY

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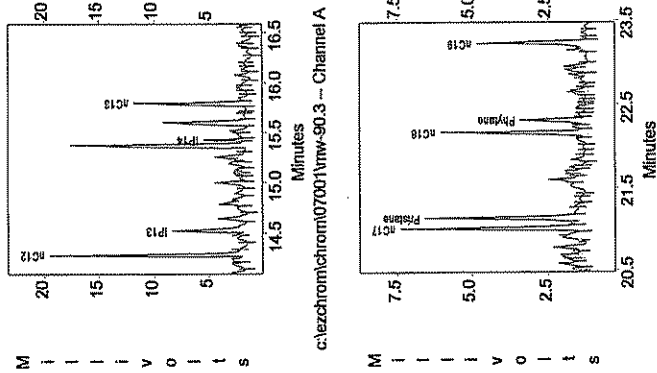
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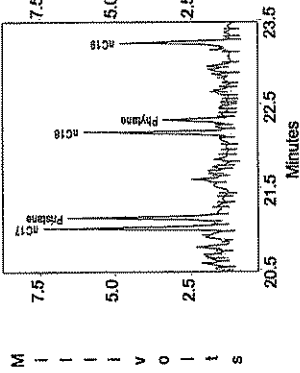
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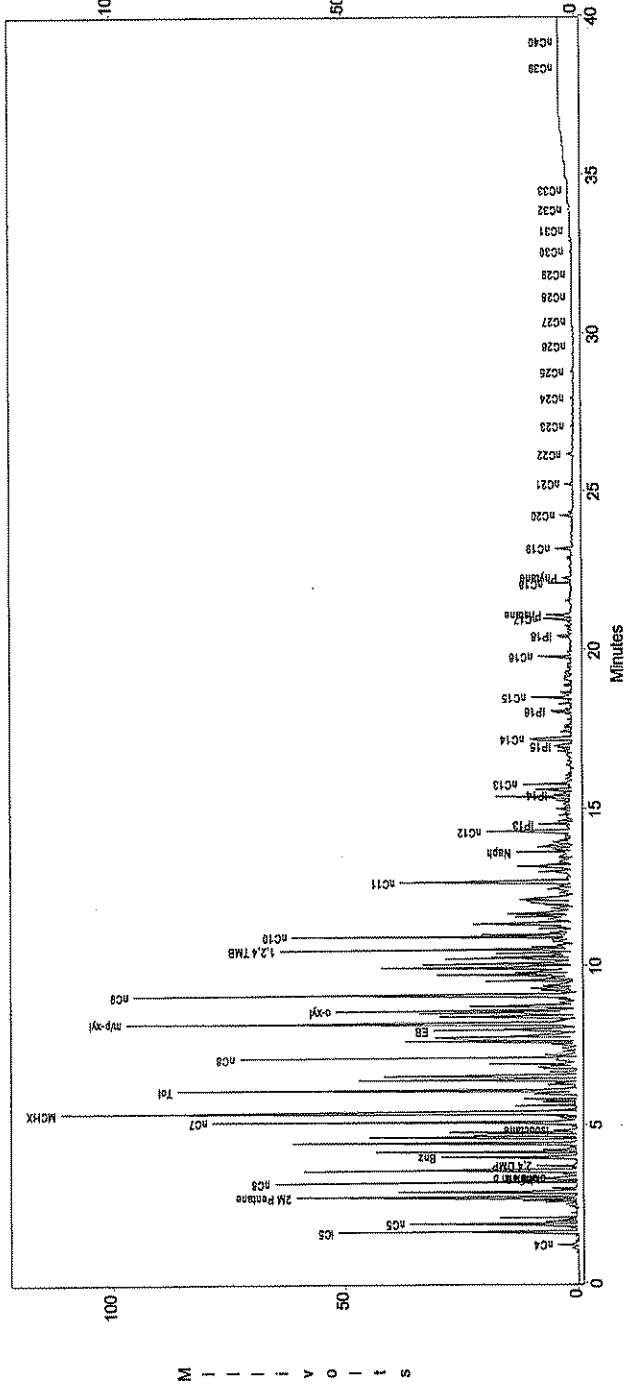
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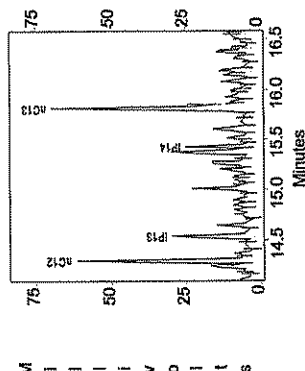
Channel A Results

Peak	Area	Height
nC4	2991	4429
nC5	40809	51491
nC6	30183	36088
nC7	0	0
2M Pentane	58721	60480
nC8	66158	65037
olefin a	8620	7320
olefin b	9951	9936
olefin c	8332	5954
2,4 DMF	10206	8698
Buz	41118	29493
Isocetane	5637	4862
nC7	106025	78397
nC8	161600	110963
Tol	129866	85845
nC8	102579	72528
EB	42144	30636
nC9	192193	96840
nC10	84157	51832
nC11	153752	95300
nC12	113421	63214
nC13	39345	60349
nC14	60296	36738
nC15	22536	11878
nC16	30117	18308
nC17	14810	7094
nC18	5627	4107
nC19	15447	10639
nC20	6274	3748
nC21	20090	9217
nC22	8375	4474
nC23	14566	8649
nC24	12871	7137
nC25	8048	3210
nC26	9364	6075
nC27	10540	5315
nC28	8330	4927
nC29	4773	2221
nC30	7945	3763
nC31	3575	2457
nC32	2672	1572
nC33	1833	1152
nC34	1273	772
nC35	981	577
nC36	736	451
nC37	713	400
nC38	682	362
nC39	564	281
nC40	559	222
nC41	292	159
nC42	314	133
nC43	143	64
nC44	164	64
nC45	0	0
nC46	0	0
nC47	0	0
nC48	0	0
nC49	67	17
nC50	65	15

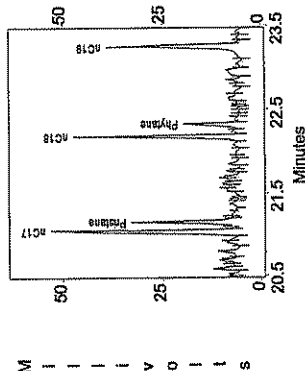
Torkelson Geochemistry, Inc.

XOM - Greenpoint, Brooklyn, NY
 Sample ID : Gas/Dies/Wax std
 Acquired : Jan 08, 2007 13:22:45

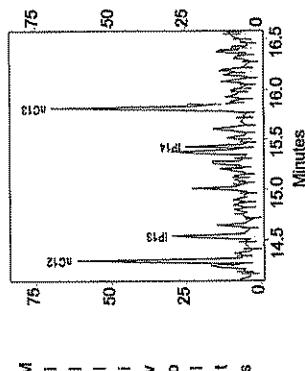
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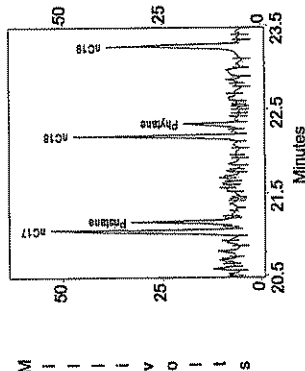
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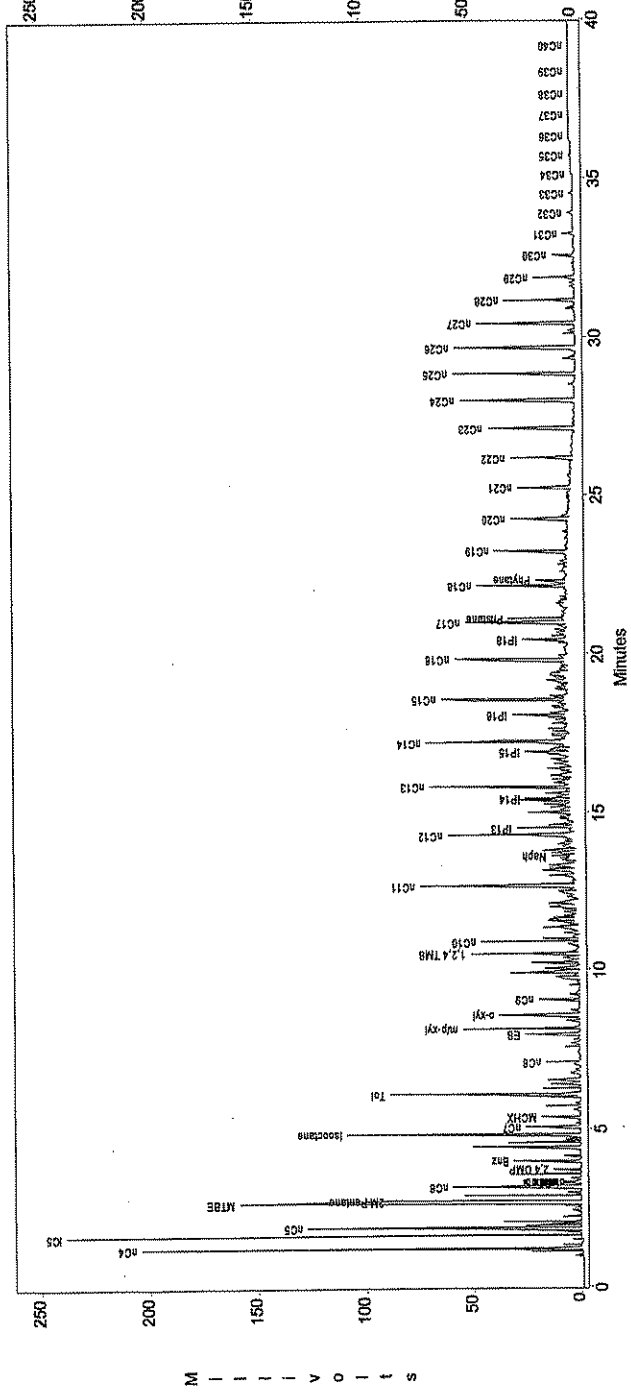
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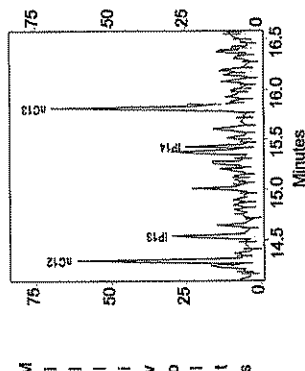
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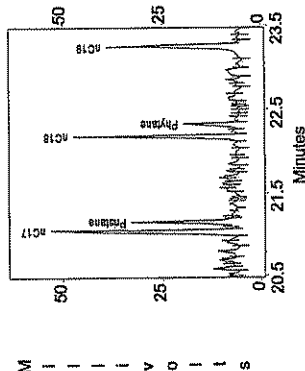
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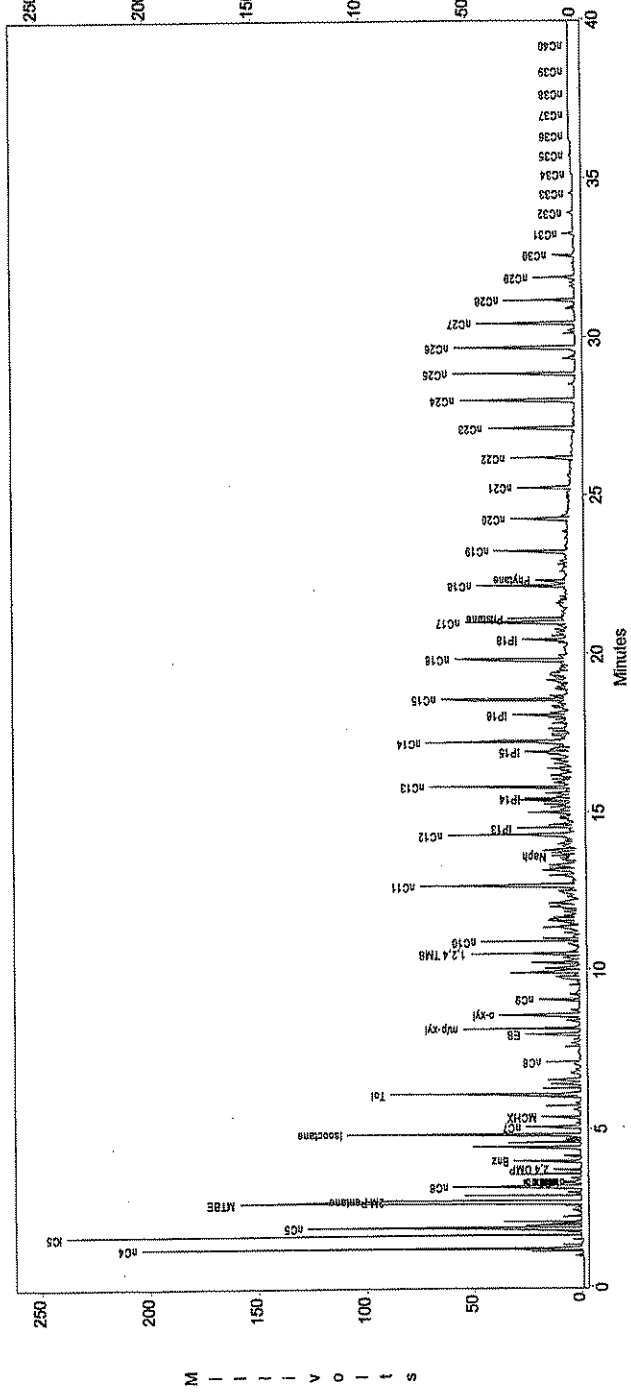
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c:\ezchrom\chrom07001\gadiwax2.2 - Channel A



Channel A Results

Peak	Area	Height
nc4	100197	204707
nc5	156251	238950
nc9	88465	127763
MTBE	149611	159036
2M Pentane	79039	89521
nc6	59422	59886
olefin a	10981	9819
olefin b	9531	9033
olefin c	6682	6345
2,4 DMP	13532	13066
Bz	40242	31913
Isooctane	154123	189235
nc7	32640	26533
MCHX	23568	19245
Tol	142532	89196
nc8	19432	16072
EB	34122	25808
m/p-xy1	91493	54925
c-xy1	54192	37628
nc9	30622	20042
1,2,4 THA	82502	50584
nc10	67437	45569
nc11	118736	72241
Naph	29006	11047
nc12	109307	59463
IP13	51596	26942
IP14	29562	21229
nc13	130879	66369
IP15	38327	22051
nc14	133153	67557
IP16	57771	26588
nc15	116166	59779
nc16	111821	53107
IP18	49233	20960
nc17	90503	47310
Pristane	53536	26844
nc18	75240	42273
Phytane	32998	14892
nc19	82890	34858
nc20	47081	27183
nc21	40277	24731
nc22	49971	29142
nc23	77574	39924
nc24	112111	53705
nc25	129822	56727
nc26	130738	56745
nc27	99367	46159
nc28	62839	32776
nc29	35028	19185
nc30	16952	9808
nc31	9079	5342
nc32	4747	2905
nc33	2580	1485
nc34	1377	800
nc35	752	470
nc36	430	236
nc37	213	124
nc38	804	87
nc39	209	51
nc40	128	35

Torkelson Geochemistry, Inc.							
Physical Properties Measurements							
Sample	TGI Job	Density (gm/ml)	Viscosity (centipoise)	Surface Tension Air/Water (dynes/cm)	Interfacial Tension NAPL/Water (dynes/cm)	Surface Tension Air/NAPL (dynes/cm)	Temperature of Measurements (Fahrenheit)
MW-90	07001	0.7937	0.99	70.2*	18.0*	22.9	60

* Distilled Water

APPENDIX D

Asbestos Analytical Data

ASBESTOS INSPECTION REPORT

Conducted at:

Empire Varnish Property

Greenpoint, New York

Conducted for:

Roux Associates, Inc.

Prepared By:

**AIRTEK ENVIRONMENTAL CORP.
39 WEST 38TH STREET – 12TH FLOOR
NEW YORK, NY 10018**

**AIRTEK PROJECT NUMBER
07-0042**

3/06/2007

TABLE OF CONTENTS

	<u>Page No.</u>
1.0 BACKGROUND	1
2.0 SCOPE OF WORK	2
3.0 SUMMARY OF FILE RESEARCH	2
4.0 SUMMARY OF AIRTEK'S INSPECTION RESULTS	3
5.0 CONCLUSIONS AND RECOMMENDATIONS	3
6.0 ASBESTOS QUANTITY SCHEDULE	5
7.0 AREAS NOT ACCESSIBLE	5
8.0 REPORT CERTIFICATIONS	5

APPENDICES

9.0 APPENDIX A: Analytical Results and Chain of Custody	7
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1.0 BACKGROUND:

Airtex Environmental Corp. has conducted an asbestos survey for the presence of Asbestos-Containing Building Materials (ACBM) at the following site:

Site: Empire Varnish
Borough: Brooklyn
Address: 38 Varick Street

The Investigator and inspector responsible for this project were:

Eduard Sherman: NYC Asbestos Investigator #97524
NYS Asbestos Inspector #AH 93-17518

Site Visit(s): 1/18/07, 1/19/07
Report Date: 3/6/07

Field Procedures and Analysis Methodology:

Guidelines used for the inspection were established by the Environmental Protection Agency (EPA) in the Guidance for Controlling Asbestos Containing Materials in Buildings, Office of Pesticides and Toxic Substances, DOC #560/5-85-024 and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA).

Field information was organized as per the AHERA concept of Homogeneous Area (HA). A HA is defined as a suspect material of similar age, appearance, function and texture. Each material was grouped together as a specific HA, sampled and then assessed for condition.

Bulk samples of suspect ACM were analyzed by Polarized Light Microscopy (PLM) with dispersion staining, as described in 40 CFR Part 763 and the National Emissions Standard for Hazardous Air Pollutants (NESHAPS).

The New York State Department of Health has recently revised the PLM Stratified Point Counting Method. The new method, "Polarized Light Microscopy Methods for Identifying and Quantitating Asbestos in Bulk Samples" can be found as item 198.1 in the ELAP Certification manual.

The State of New York ELAP has determined that analysis of Non-friable, Organically Bound Materials (NOB) are not reliably performed by PLM. Therefore, if PLM analysis of a NOB yields a negative result, it must be further confirmed by Transmission Electron Microscopy (TEM).

All samples were initially analyzed by PLM. Samples which produced a negative PLM result and which are classified as a NOB were then re-analyzed utilizing the TEM methodology.

2.0 SCOPE OF WORK:

All structures at the site were inspected for ACM except where inaccessible as noted below:

The inspection was characterized by a close visual inspection of all accessible areas. Suspect materials were sampled and inventoried for quantity, condition and friability. Materials examined included:

1. Tar Cement (black)
2. Wall Material (grey)
3. Sprayed-on Fireproofing (grey)
4. Laboratory Table Tops (grey)
5. Laboratory Fume Hood Sheeting (grey)
6. Ceiling Tiles in Office Area (grey)
7. Sprayed on Fireproofing (grey)
8. Ceiling Wallboard (grey)
9. Ceiling Plaster White Coat (white)
10. Ceiling Plaster Scratch Coat (brown)
11. Wall Plaster White Coat (white)
12. Wall Plaster Scratch Coat (brown)
13. Aircell Pipe Insulation (grey)
14. Window Putty (white)
15. Brown Aircell Pipe Insulation (brown)

3.0 SUMMARY OF FILE SEARCH:

There were no files for a previous investigation of this building. The following is a listing of our findings:

Based on the currently recommended sampling and analytical procedures for ACM materials, Airtex determined that additional sampling was necessary in order to determine the asbestos content of additional suspect materials.

4.0 SUMMARY OF AIRTEK ENVIRONMENTAL'S INSPECTION RESULTS:

The asbestos inspection was conducted on January 18th and 19th, 2007 and involved a thorough visual examination of all areas and sampling of suspect materials that would be impacted during the proposed work schedule.

Airtek Laboratory analysis confirmed the presence of asbestos in the amount greater than 1% within none of samples collected from the materials tested.

Airtek laboratory analysis determined the samples collected from the following materials to contain greater than one percent (>1%) asbestos:

1. White Aircell Pipe Insulation – Approx. 50 lf
2. Brown Aircell Pipe Insulation – Approx. 11 lf

Airtek laboratory analysis determined the samples collected from the following materials to contain less than one percent (<1%) asbestos:

1. Tar Cement (black)
2. Wall Material (grey)
3. Sprayed-on Fireproofing (grey)
4. Laboratory Table Tops (grey)
5. Laboratory Fume Hood Sheeting (grey)
6. Ceiling Tiles in Office Area (grey)
7. Sprayed on Fireproofing (grey)
8. Ceiling Wallboard (grey)
9. Ceiling Plaster White Coat (White)
10. Ceiling Plaster Scratch Coat (brown)
11. Wall Plaster White Coat (white)
12. Wall Plaster Scratch Coat (brown)
13. Window Putty (white)

Due to inaccessibility, Airtek assumed the following materials to be asbestos-containing:

1. Roofing – Building X – Approx. 9,000 sf
2. Skylight Window Caulk – Approx. 150 lf
3. Boiler Insulation – Approx. 50 sf

5.0 CONCLUSIONS AND RECOMMENDATIONS:

Asbestos-containing materials, which may be affected by the scope of work, have been positively identified at various locations throughout the building.

As the identified ACBM is to be disturbed by the proposed renovation work, proper asbestos abatement procedures shall be implemented prior to the commencement of such work. All asbestos abatement work shall be performed in accordance with all applicable Federal, State and Local rules and regulations. The abatement project shall be filed with all agencies having jurisdiction over this project, such as USEPA, NYSDOL and NYCDEP.

A licensed abatement contractor must perform the removal of all friable and non-friable ACBM. Airtek believes that the implementation of these recommendations will serve to best protect human health and the environment.

To assure that the removal of the aforementioned ACBM is properly and effectively carried out, the following recommendations are proposed by Airtek:

- A. Develop and implement a schedule that outlines the time frame for removal of ACBM s.
- B. Develop complete and concise specifications to effectively deal with removal of the ACBM s. These specifications should be developed to comply with all applicable Federal, State and Local regulations.
- C. Retain the service of an independent testing laboratory to monitor the air for possible asbestos contamination before, during and after the removal work. Retain all documentation and correspondence from the removal contractor, the testing laboratory and related items in a permanent record.

6.0 ASBESTOS QUANTITY SCHEDULE:

Approximate asbestos quantity schedules are presented on the following table:

TABLE 1 SUMMARY OF INSPECTION RESULTS FOR ASBESTOS 742 10th Avenue, New York, NY 10019				
PROPOSED WORK	SUSPECT ACM THAT MAY BE AFFECTED	LAB RESULTS	APPROXIMATE ACM QUANTITY	NOTES/SPECIFIC LOCATION
	White Aircell Pipe Insulation	ACM	50 LF	Bldg. A Laboratory Area
	Brown Aircell Pipe Insulation	ACM	11 LF	Boiler Plant
	Roofing	Assumed ACM	9,000 SF	Various Bldgs.
	Boiler Insulation	Assumed ACM	50 SF	Boiler Plant
	Skylight Caulking	Assumed ACM	150 LF	2 nd Floor
Total Approximate Quantity of ACM			9,050 SF and 211 LF	

7.0 AREAS NOT ACCESSIBLE:

Airtek inspected and sampled materials, which were observable and accessible to the survey team. Any suspect ACM that have not been tested and/or found positive for asbestos, if any, must be assumed ACM until and unless they are tested.

The roofs of the buildings were not accessible and the roofing materials have been assumed to be ACM. The boiler insulation could not be sampled because the room was occupied. This material has been assumed to be ACM. Skylight caulking was inaccessible. It has been assumed to be ACM.

One storage bldg. at the rear of the site next to the roll-up loading dock door was inaccessible. This bldg. should be accessed to ensure no further ACMs exist. Given the construction of this bldg. as observed from the exterior, it is not likely that significant ACMs exist.

8.0 REPORT CERTIFICATIONS:

Airtek certifies that the information contained herein is based on the physical and visual inspections conducted by Airtek and data collected during the inspection survey and file review.

Roux Associates - Empire Varnish
Airtek Project#: 07-0042 – March 6, 2007

Enayat Nassry
NYC Investigator

Joseph Walsh
QA/QC

Efren Martinez
Lab Manager

APPENDIX A

9.0 Analytical Results and Chain of Custody Certificates of Analysis

CLIENT: Enrico De...

N/D = No Asbestos Detected
ND Inconclusive = <1% Asbestos Detected, TEM analysis of NOB recommended to further confirm negative result

N/D = No Asbestos Detected
N/D Inconclusive = <1% Asbestos Detected, TEM analysis of NOB recommended to further confirm negative results

Date Received: 1/18/07

Date Analyzed: 1/18/07

RI Oils		Morphology	
1. 1.550	2. 1.605	W = Wavy	Ext Angle P = Parallel W = Wavy O = Oblique
3. 1.630	4. 1.680	S = Straight	
5. 1.700		C = Curly	
<u>Sigma</u>			
+	-		
Birefringence			
O L M H			
Pleochroism			
Yes No			

[illegible]

Date Received: _____

Date Analyzed:

197

Asbestos Fiber Data				PTCI DATA	
Appearance	Treatment	Asbestos Results	Fibrous	Non-Fibrous	Morphology
1. Brown	7. Black	1. Fibrous	1. Cellulose	1. Quartz	1. 1.350
2. Grey	8. Silver	2. Non-Fibrous	2. Fiberglass	2. Mica	2. 1.605
3. Tan	9. Blue	3. Other	3. Min. Wool	3. Gypsum	3. 1.630
4. White	10. Orange	4. Layers	4. Synthetic	4. Carbonates	4. 1.700
5. Red	11. Yellow	5. NOB	5. Hair	5. Organic Matrix	5. 1.700
6. Various	12. Green	6. THF	6. Wollastonite	6. Perlite	6. 1.700
		7. None Detected	7. Other	7. Binder / Filler	7. 1.700

[illegible]

METHOD: PLM WITH DS

CPA 6004R-93416 AND TIA 1984 ANALYST:

QC ANALYST:

~~FPA CNO /M4 /82 /020 + FLAP 198.7 + 198.6~~



39 WEST 38TH STREET, 12TH FLOOR, NEW YORK, NY 10018
PHONE (212) 768-0516 FAX (212) 768-0759
WWW.AIRTEKENV.COM

PROJECT #:

07-0092

PROJECT NAME:

Emp. St. Vriick 28 Vriick

DATE RECEIVED:

Furnace time on:

Furnace time off:

Date: 1/18/07

Analyst:

Date Analyzed:

11/19/67



AIRTEK ENVIRONMENTAL CORP.
50 WEST 30TH STREET, 15TH FLOOR NEW YORK, NY 10001
PHONE (212) 68-1525 FAX (212) 768-3771
ANALYSIS **ENVIRONMENTAL**

ACM BULK SAMPLE ANALYSIS
CHAIN OF CUSTODY TRANSMITTAL

#07-0092

Classification:

Empire State Varnish Co.
38 Varick St. Bklyn

DATE SAMPLED _____

LABORATORY:

Amari: 10

[illegible]

ENVIRONMENTAL CONSULTANTS

Table 1
Summary of Bulk Asbestos Analysis Results
07-0092; Empire Slat Varnish Co.; 38 Varick St. Bklyn.

AmerSci Sample #	Client Sample# Location	Hg Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/D3	** Asbestos % by TEM
01	07 Lab ID #158488 - Tar / Cement		0.623	76.1	3.5	20.4	N/A	NAD
02	02 Lab ID #158489 - Tar / Cement		0.750	53.1	1.8	45.3	N/A	NAD

Analyzed by: Roman Poyarkov Date Analyzed 1/20/07



**Quantitative Analysis (Semifull); Bulk Asbestos Analysis - PLM by EPA 600/4-82-020 per 40 CFR (NVLAP Lab#200546-0) or 198.1 for New York friable samples or 198.6 for New York NCB samples; TEM (Semifull) by EPA 800/R-93/116 (not covered by NVLAP Bulk accreditation); or ELAP 198.4 for New York samples (NYSIDOH ELAP 1480); NAD = no asbestos detected during a qualitative analysis; NA = not analyzed; Trace = <1%; Quantification for beginning weights of <0.1 grams should be considered as qualitative only; Qualitative Analysis: Asbestos analysis results of "Present" or "N/A" = No Visible Asbestos; "represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analyses); AIHA Lab#102843; NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

ASBESTOS BULK SAMPLING AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION (fill out ALL information)

CLIENT: <u>Empire Bluebird - Essex</u>	PROJ. NAME: <u>State Bluebird Co, Inc</u>	PROJECT # <u>07-0042</u>	DATE: <u>01.19.07</u>
CLIENT ADDRESS:	PROJ. ADDRESS: <u>38 Warwick St, Brooklyn, NY</u>	Comments:	
Turnaround Time:	Method of Submittal:	WORK AREA: <u>All Buildings & Yard</u>	
STAT 6 HRS <u>(18 HRS)</u>	FIELD WALK-IN USMAIL	INSPECTOR: <u>E. SHERMAN</u>	
24 HRS 72 HRS OTHER	FEDEX OTHER	PROJ. MANAGER: <u>B. Lewis</u>	

HA #	Sample ID #	Lab ID #	Material Description (incl. color)	Sample Location	Quantity (SIF)	Friability Y/N	Results
ESB-11/8/07	156528		For Cement / Black color	Yard adjacent to		N	NAD / inconclusive
-03	156528		Ceiling Plaster / White coat	Block South Office B	300	Y	
ESB-11/9/07	29		Ceiling Plaster / Brown coat	East side entrance door			
-12			Ceiling Plaster / Brown coat	East side entrance door			
-13	156530		Ceiling Plaster / White coat	West side			
-14	31		Ceiling Plaster / White coat	Carving at North			
-15	32		Ceiling Plaster / Brown coat	East side			
-16	33		Ceiling Plaster / White coat	Carving in S-E corner			
-17	34		Ceiling Plaster / Brown coat	East side			
-18	35		Wall Plaster / White coat	North side	600	Y	
-19	36		Wall Plaster / Brown coat	East side			
-20	37		Wall Plaster / White coat	East side			N

CHAIN OF CUSTODY

Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
<u>E. Sherman / Edward S.</u>	<u>01.19.07</u>	<u>Joan Bennett / Joan</u>	<u>1/19/07</u>	<u>[Signature]</u>	<u>1/19/07</u>
	<u>15:30</u>			<u>[Signature]</u>	<u>1/19/07</u>

TERMINOLOGY

N/D = No Asbestos Detected
N/D Inconclusive = <1% Asbestos Detected, TEM analysis of NOB recommended to further confirm negative result

ASBESTOS BULK SAMPLING AND CHAIN OF CUSTODY FORM

PROJECT INFORMATION (fill out ALL information)

CLIENT: <u>Empire Dormanish - Box</u>	PROJ. NAME: <u>Empire State Dormanish Co, Inc</u>	PROJECT # <u>07-0042</u>	DATE: <u>01.19.07</u>
CLIENT ADDRESS:	PROJ. ADDRESS: <u>38 Barclay St, Brooklyn, NY</u>	Comments:	
Turnaround Time:	Method of Submittal:	WORK AREA: <u>all Bldgs & Yard</u>	
STAT 6 HRS 18 HRS 24 HRS 72 HRS OTHER	FIELD ☒ WALK-IN ☐ USMAIL ☐ FEDEX ☐ OTHER	INSPECTOR: <u>E. SHERMAN</u>	
		PROJ. MANAGER: <u>B Lewis</u>	

HA #	Sample ID #	Lab ID #	Material Description (incl. color)	Sample Location				Quantity (sq)	Priority Y/N	Results
	<u>ESB-1/12/07</u>		<u>Wall Plaster / Brown coat</u>	<u>Bldg 4th floor</u>	<u>South wall</u>	<u>South half</u>		<u>600</u>	<u>Y</u>	<u>NAD</u>
	<u>-21</u>	<u>156538</u>	<u>Wall Plaster / White coat</u>	<u>-11-</u>	<u>-11-</u>	<u>South wall</u>	<u>West half</u>			
	<u>-22</u>	<u>39</u>	<u>Wall Plaster / Brown coat</u>	<u>-11-</u>	<u>-11-</u>	<u>South wall</u>	<u>West half</u>			
	<u>-23</u>	<u>156540</u>	<u>Wall Plaster / Brown coat</u>	<u>-11-</u>	<u>-11-</u>	<u>South wall</u>	<u>West half</u>			
	<u>-24</u>	<u>41</u>	<u>Penor of Sheetrock / Brown color</u>	<u>-11-</u>	<u>North office</u>	<u>Degrative wall</u>	<u>Sheetrock</u>	<u>North wall</u>	<u>N</u>	
	<u>-25</u>	<u>42</u>	<u>Ceiling Sheetrock / Green color</u>	<u>-11-</u>	<u>North office</u>	<u>North wall</u>	<u>Sheetrock</u>	<u>North wall</u>	<u>Y</u>	
	<u>-26</u>	<u>43</u>	<u>Wall Sheetrock / Gray color</u>	<u>-11-</u>	<u>North office</u>	<u>North wall</u>	<u>Sheetrock</u>	<u>North wall</u>	<u>Y</u>	
	<u>-27</u>	<u>44</u>	<u>White Aircell / Cor. Paper</u>	<u>-11-</u>	<u>North office</u>	<u>North wall</u>	<u>Sheetrock</u>	<u>North wall</u>	<u>Y</u>	
	<u>-28</u>	<u>45</u>	<u>Pipe Insulation / White color</u>	<u>-11-</u>	<u>North office</u>	<u>North wall</u>	<u>Sheetrock</u>	<u>North wall</u>	<u>Y</u>	
	<u>-29</u>	<u>46</u>	<u>Glass Part / White color</u>	<u>-11-</u>	<u>North office</u>	<u>North wall</u>	<u>Sheetrock</u>	<u>North wall</u>	<u>Y</u>	
	<u>-30</u>	<u>47</u>	<u>Glass Part / White color</u>	<u>-11-</u>	<u>North office</u>	<u>North wall</u>	<u>Sheetrock</u>	<u>North wall</u>	<u>Y</u>	

CHAIN OF CUSTODY

Relinquished By (Print/Sign)	Date/Time	Received By (Print/Sign)	Date/Time	Analyzed By (Print/Sign)	Date/Time
<u>E. Sherman / Richard Rho</u>	<u>01.19.07</u>	<u>Tara Blanch</u>	<u>1/19/07</u>	<u>[Signature]</u>	<u>1/19/07</u>

LAB INFORMATION

TERMINOLOGY
N/D = No Asbestos Detected
N/D Inconclusive = <1% Asbestos Detected, TEM analysis of NOB recommended to further confirm negative result

PROJECT INFORMATION (fill out ALL information)

[illegible]

TERMINOLOGY

N/D = No Asbestos Detected
N/D Inconclusive = <1% Asbestos Detected, TEM analysis of NOB recommended to further confirm negative result

Client: *Empire State Veneered Co.* Date Received: *1/19/07*
Project: *38 Wick St. Albany* # *07-0042* Date Analyzed: *1/23/07*

Appearance			Treatment	Asbestos Results	Fibrous	Non-Fibrous	RI Oils	Morphology	
1. Brown 2. Grey 3. Tan 4. White 5. Red 6. Various	7. Black 8. Silver 9. Blue 10. Orange 11. Yellow 12. Green	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers	1. Teased 2. Crushed 3. Dissolved 4. Ashed 5. NOB 6. THF	1. Chrysotile 2. Amosite 3. Anthophyllite 4. Tremolite 5. Actinolite 6. Crocidolite 7. None Detected	1. Cellulose 2. Fiberglass 3. Min. Wool 4. Synthetic 5. Hair 6. Wollastonite 7. Other	1. Quartz 2. Mica 3. Gypsum 4. Carbonates 5. Organic Matrix 6. Perlite 7. Binder / Filler	1. 1.550 2. 1.605 3. 1.630 4. 1.680 5. 1.700 Sign + Birefringence O L M H Pleochroism Yes No	W = Wavy S = Straight C = Curly Ext. Angle P = Parallel W = Wavy O = Oblique

Sample	Lab ID	App	Tmt	ASBESTOS		Fibrous		Non-Fibrous		RI	Asbestos Fiber Data					PT CT DATA		
				Type	%	Type	%	Type	%		Oil	1	B	M	S		P	E
03	156528	Black Fib Hetero	None MC	None	9.1	Asbestos 32.1%	100%											
12	29	White Non-Fib	Crushed Quashed			Asbestos 100%												
13	30	White Non-Fib				Asbestos 100%												
14	31	White Non-Fib				Asbestos 100%												
15	32	White Non-Fib				Asbestos 100%												
16	33	White Non-Fib				Asbestos 100%												
17	34	White Non-Fib				Asbestos 100%												
18	35	White Non-Fib				Asbestos 100%												
19	36	White Non-Fib				Asbestos 100%												
20	37	White Non-Fib				Asbestos 100%												

Client: *Empire State Vermiculite Co.* Date Received: *11/19/07*
 Project: *38 Wick Dr. Albany* # *07-0042* Date Analyzed: *1/23/07*

		Appearance		Treatment		Asbestos Results		Fibrous		Non-Fibrous		RI Oils		Microbiology	
1. Brown 2. Grey 3. Tan 4. White 5. Red 6. Various	7. Black 8. Silver 9. Blue 10. Orange 11. Yellow 12. Green	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers	1. Teased 2. Crushed 3. Dissolved 4. Ashed 5. NOB 6. THF	1. Chrysotile 2. Amosite 3. Anthophyllite 4. Tremolite 5. Actinolite 6. Crocidolite 7. None Detected	1. Cellulose 2. Fiberglass 3. Min. Wool 4. Synthetic 5. Hair 6. Wollastonite 7. Other	1. Quartz 2. Mica 3. Gypsum 4. Carbonates 5. Organic Matrix 6. Perlite 7. Binder / filler	1. 1.530 2. 1.630 3. 1.630 5. 1.700 Sign + Birefringence O L M H Pleochroism Yes No	1. 1.530 2. 1.605 3. 1.630 4. 1.680 5. 1.700 Sign + Birefringence O L M H Pleochroism Yes No	W = Wavy S = Straight C = Curly Ext. Angle P = Parallel W = Wavy O = Oblique					

Sample	Lab ID	App	Int	ASBESTOS		Fibrous		Non-Fibrous		Asbestos Fiber Data						PT CT DATA		
		Non-Fib	Amorphous	Type	%	Type	%	Type	%	RI	Oil	I	B	M	S	P	E	
21	156538	Non-Fib	Amorphous	None				Amorphous	100%									
22	39	Non-Fib	Amorphous					Amorphous	100%									
23	40	Non-Fib	Amorphous					Amorphous	100%									
24	41	Non-Fib	Amorphous					Amorphous	100%									
25	42	Non-Fib	Amorphous					Amorphous	100%									
26	43	Non-Fib	Amorphous					Amorphous	100%									
27	44	Non-Fib	Amorphous					Amorphous	100%									
28	45	Non-Fib	Amorphous					Amorphous	100%									
29	46	Non-Fib	Amorphous					Amorphous	100%									
30	47	Non-Fib	Amorphous					Amorphous	100%									

1	1.553	1.549	M	W	4	N	W	7/24/1971
---	-------	-------	---	---	---	---	---	-----------

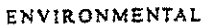
11917

7

407-0442

7

[illegible]



39 WEST 38TH STREET, 12TH FLOOR, NEW YORK, NY 10018
PHONE (212) 768-0516 FAX (212)-768-0759
WWW.AIRTEKENV.COM

PROJECT #:

PROJECT NAME:

DATE RECEIVED:

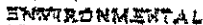
Furnace time on:

Furnace time off:

Date: 11/22/07

Analyst:

Date Analyzed:



ARTER ENVIRONMENTAL CORP.

25 WEST 38TH STREET, 12TH FLOOR NEW YORK, NY 10018
PHONE (212) 766-0758 FAX (212) 766-0759
WWW.AIRTEKENY.COM

PROJECT NUMBER:

#07-0042

CLINTON LOCKTON

Empire State Varick Co.
38 Varick St. Bklyn

DATE SAMPLED:

LABORATORY:

[illegible]

ENVIRONMENTAL CONSULTANTS

Table I

Summary of Bulk Asbestos Analysis Results

07-0042; Empire State Varnish Co., 38 Varick Street, Brooklyn, NY

AmeriSci Sample #	Client Sample# Location	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	03-156528 Tar/Cement		0.493	50.3	14.2	35.5	NA	NAD
02	30-156547 Glass Pluffy		0.612	10.3	75.6	13.7	NA	Traceable <1.0

Analyzed by: Madell E. Collins

Madell E. Collins

Date Analyzed 1/25/07

**Quantitative Analysis (Semi-Full): Bulk Asbestos Analysis - PLM by EPA 600/4-82-020 per 40 CFR (NVLAP Lab#200546-0) or 198.1 for New York friable samples or 198.8 for New York NOB samples; TEM (Semi-Full) by EPA 600/4-82-020 (not covered by NVLAP Bulk accreditation); or ELAP 198.4 for New York samples (NYSDOH ELAP#11489); NAD = no asbestos detected during a quantitative analysis; NA = not analyzed; Traces < 1%; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only. Qualitative Analysis: Asbestos analysis results of "Present" or "NVA" = No Visible Asbestos" represents results for Qualitative PLM or TEM Analysis only (no accreditation coverage available from any regulatory agency for qualitative analysis); Airtex Lab#102843, NVLAP# 200546-0

Warning Note: PLM limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris for which PLM evaluation is recommended (i.e. soils and other heterogeneous materials).

Reviewed By: _____

The logo for AmeriSci, featuring the company name in a bold, sans-serif font, with a stylized swoosh or arc above the letters.

Please Reply To:

AmeriSci New York

117 EAST 30TH ST.
NEW YORK, NY 10016

TEL: (212) 679-8600 • FAX: (212) 679-3114

FACSIMILE TELECOPY TRANSMISSION

To: Mike Zouak
Airtex Environmental Corporation
Fax #: (212) 768-0759

From: Madell E. Collins
AmeriSci Job #: 207013618
Subject: ELAP-TEM 5 day Results
Client Project: 07-0042; Empire State Varnish Co.,
38 Varick Street, Brooklyn, NY

Email:

Date: Thursday, January 25, 2007

Time: 02:53:47

Comments:

Number of Pages:

3
(including cover sheet)

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Boston • Los Angeles • New York • Richmond

Date Received:

Date Analyzed: 7/2/07

Asbestos					Morphology				
Appearance		Treatment	Asbestos Results	Fibrous	Non-Fibrous	Rt Cells	Morphology		
1. Brown 2. Grey 3. Tan 4. White 5. Red 6. Various	7. Black 8. Silver 9. Blue 10. Orange 11. Yellow 12. Green	1. Fibrous 2. Non-Fibrous 3. Other	1. Homogeneous 2. Heterogeneous 3. Other 4. Layers	1. Teased 2. Crushed 3. Dissolved 4. Ashed 5. NOB 6. THF	1. Chrysotile 2. Amosite 3. Anthophyllite 4. Tremolite 5. Actinolite 6. Crocidolite 7. None Detected	1. Cellulose 2. Fiberglass 3. Min. Wool 4. Synthetic 5. Hair 6. Wollastonite 7. Other	1. Quartz 2. Mica 3. Gypsum 4. Carbonates 5. Organic Matrix 6. Perlite 7. Binder / Filler	1. 1,550 3. 1,630 5. 1,700 + <u>Birefringence</u> O L M H <u>Pleochroism</u> Yes No	2. 1,605 4. 1,680 <

[illegible]

QC ANALYST:

LM WINDS	WIND SPEED KNOTS	WIND DIRECTION DEGREES	AVG ALTITUDE FEET
E07A	126 / 182 / 123 *	E / AB	198 * 198 C

SUMMARY OF SHIFT:

PROJECT HOURS: 9:00 To 17:00

(Sign Here)

Airtek Representative

Page 1 of 2

Location: 38 Parick St, Brooklyn, NY

Project #: 07-0042

TSI = Thermal System Insulation S = Surfacing M = Miscellaneous

* - All yard area

HOMOGENEOUS AREA SHEET

Client: Empire Varnish - Pour

Date: 01.19.07

Page 2 of 2

Facility: Empire Varnish Factory

Location: 38 Varick St, Brooklyn, NY

Inspector(s): E. Sherman

Project #: 07-0042

HA #	Homogenous Area Description	Color	Material Type	Assume ACM	Total Square Feet	Total # of Samples	Serial #s
	2'x4' Coarse Text Plushes in Ceiling Tiles	Gray	TSI S (M)	Yes Yes** (No)	320	1	
	Laboratory Table Top	Gray	TSI S (M)	Yes Yes** (No)	65	1	
	Laboratory Fume Hood Sheeting	Gray	TSI S (M)	Yes Yes** (No)	35	1	
	Eight Unit Wire Insulation	white	TSI S (M)	(Yes) Yes** No	152	-	
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			
			TSI S M	Yes Yes** No			

TSI = Thermal System Insulation S = Surfacing M = Miscellaneous

** - Assumed ACM Based Upon Previous Inspection Data

Client: <i>Empire Varnish - Roux</i>	Date: <i>01.19.07</i>	Page <i>1</i> of <i> </i>
Project Address: <i>38 Varick St, Brooklyn, NY</i> <i>Empire State Varnish Co, Inc</i>	Airtek Proj.#: <i>07-0042</i>	Client Proj.#:
Work Area: <i>All Bls & Yard</i>	Name: <i>E. Sherman</i>	

SUMMARY OF SHIFT:

Time

Activity

9.90

Arrived at the job site

9:00

13:30

Bulk samples. ^{the} D^a bar coding is N/A.

13.3.

2. 2. 2

Visual inspection of Light Unit quantities

152

500

Collected equipment, enclosed paperwork

1500

Left job site and Went to Bird's office

15:50

Arrived at the office, dropped samples
and left