

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG	REPORT OF BORING MW-11R			
Client: Special Metals Corporation						Sampler: 2-inch Split Spoon		Page 1 of 1		
Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY						Hammer: 140 lbs		Location Replacement for MW-11 North of Pit		
File No.: 2290.046						Fall: 30-inch		Start Date: 10/16/96 End Date: 10/17/96		
Boring Company: Parratt-Wolff, Inc.						Screen = <input type="checkbox"/>		Grout <input type="checkbox"/>		
Foreman: Brian Waters						Riser <input type="checkbox"/>		Sand Pack <input type="checkbox"/>		
OBG Geologist: James Fitch								Bentonite <input checked="" type="checkbox"/>		
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)	
						Augered to 10.0 ft without collecting split barrel samples				
		10	3-10	24"/10"	27	Dark yellowish brown (10YR 4/2), wet to moist in layers, medium dense, fine to coarse GRAVEL and fine to coarse sand, little silt (angular to subrounded) layers with trace clay			0.1	
		12	17-10							
		15	13-12	24"/13"	22	Pale yellowish brown (10YR 6/2), to dark yellowish brown (10YR 4/2), moist, medium dense, fine to medium SAND, little coarse sand (subangular to subrounded)			0.1	
		17	10-12							
		20	4-8	24"/19"	16	Moderate yellowish brown (10YR 6/2), saturated, medium dense, SILT, to 21.5' then dark yellowish brown (10YR 4/2), saturated, SILT, little to no clay [Note plug came up moist after augering to 25.0']			0.1	
		22	8-6							
		25	15-17	24"/16"	41	Dark yellowish brown (10YR 6/2), wet, moist in places, dense, very fine to medium SAND and fine to coarse gravel (subangular to subrounded), little silt layers with trace clay			0.2	
		27	24-22							
						Bottom of boring at 30'				
<p>Water level was measured inside the augers after standing overnight (7:40 10/17/96) = 24.1 ft below grade; augers had advanced in ~28 ft, after advanced to ~28 ft. After advancing to 30.0 ft, water level was measured at ~23.0' below grade. Well construction data: bottom of well = 29.5 ft, 2-inch PVC Screen (0.020 slot) = 29.3 to 19.3 ft, sand pack (1 morie) = 30.0 to 16.0 ft, bentonite chips = 16.0 to 13.9 ft, bentonite cement grout = 13.9 to 1.0 ft. Concrete pad ~1.0 to 0 ft. Locking steel stickup protective cover. (depths are below grade)</p> <p style="text-align: right;">JF:ers/div10/MW-11R</p>										

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING MW-17	
Client: Special Metals Corporation			Sampler: 2-inch Split Spoon			Page 1 of 1 Location Southwest of Pit			
Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY			Hammer: 140 lbs			Start Date: 10/15/96 End Date: 10/15/96			
File No.: 2290.046			Fall: 30-inch			Screen = <input type="checkbox"/>		Grout <input type="checkbox"/>	
Boring Company: Parratt-Wolff, Inc.			Foreman: Brian Waters			Riser <input type="checkbox"/>		Sand Pack <input type="checkbox"/>	
OBG Geologist: James Fitch								Bentonite <input type="checkbox"/>	
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0		0-2	2-4 7-6	2"/1.5"	10	Dark yellowish brown (10YR 4/2), moist, medium dense SILT, little fine sand embedded with fine to medium gravel (subangular), wood fragments and root hairs present			1.1
5		5-6.5	2-3 8	1.5"/1.3"	11	Dark yellowish brown (10YR 4/2), moist to wet, medium dense SILT, and fine sand, embedded with fine to coarse gravel (subangular, several lenses of fine to coarse sand)			0.1
10		10-12	4-2 1-1	2/0	3	Drove cobble, no recovery material changed, becomes wet during drilling 10.5 to 11.0 ft			0.2
15		15-17	5-7 7-11	2/1.5	14	Dark yellowish brown (10YR 4/2), medium dense, fine to medium SAND, trace silt			0.1
20		20-22	4-5 8-5	2/1.5	13	Medium dark gray (N4), wet medium dense, SILT and fine sand to 20.5 ft, then medium dark gray, SILT, little clay, trace of fine sand to 21.5 ft			0
		23-25	11-13 13-15	2/1.5	26	Medium dark gray (N4), SILT and fine sand to 25.0 ft			0
Well construction data: bottom of well = 25.0 ft, 2-inch PVC screen (0.020 Slot) = 25.0 to 5.0 ft, sand pack (1 morie) = 25.5 to 3.0 ft, bentonite chips = 3.0 to 1.0 ft, concrete pad = 1.0 to 0 ft. Locking steel stickup protective cover (depths are below grade).									

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG	REPORT OF BORING MW-18		
Client: Special Metals Corporation			Sampler: 2-inch Split Spoon			Page 1 of 1 Location Northwest of Pit			
Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY			Hammer: 140 lbs			Start Date: 10/17/96 End Date: 10/17/96			
File No.: 2290.046			Fall: 30-inch			Screen = <input type="checkbox"/>		Grout Sand Pack Bentonite	
Boring Company: Parratt-Wolff, Inc.			Foreman: Brian Waters			Riser <input type="checkbox"/>		Bentonite	
OBG Geologist: James Fitch									
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		0	2-3	24"/20"	6	Moderate yellowish brown (10YR 4/4), moist, medium stiff, SILT, little fine to coarse sand and clay, trace fine to medium gravel, subrounded			0.3
		2	3-3						
						Moderate yellowish brown (10YR 4/4), moist, medium stiff, SILT, little fine to coarse sand and clay, trace fine to medium gravel, sub-rounded to 5.9 ft, pale yellowish brown (10YR 4/2), damp, medium dense, medium SAND, little fine and coarse sand			0.4
5		5	4-6	24"/21	12				
						Dark yellowish brown (10YR 5/4), saturated, loose, fine to medium SAND, little very fine sand			0.1
10		10	6-5	24"/14"	9				
						Dark yellowish brown (10YR 5/4), saturated, loose, fine to medium SAND, little very fine sand			0
15		15	3-3	24"/24"	9				
						Bottom of boring at 17.2'			
Water level was measured at 12.15, from ground surface after augering to 15.0 ft and pulling back augers a foot or so. Well construction data: bottom of well = 17.0 ft, 2-inch PVC screen (0.010 slot) = 17.0 to 7.0 ft, sand pack (0 morie) = 17.2 to 5.0 ft, bentonite chips = 5.0 to 2.6 ft, concrete = 2.6 to surface. Locking steel stickup protective cover (depths are below ground subsurface).									

O'BRIEN & GERE ENGINEERS, INC.					TEST BORING LOG		REPORT OF BORING MW-19		
Client: Special Metals Corporation					Sampler: 2-inch Split Spoon		Page 1 of 1		
Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY					Hammer: 140 lbs		Location: Northeast of Pit Upgradient"		
File No.: 2290.046					Fall: 30-inch		Start Date: 10/16/96 End Date: 10/16/96		
Boring Company: Parratt-Wolff, Inc.					Screen =		Grout		
Foreman: Brian Waters					Riser		Sand Pack		
OBG Geologist: James Fitch							Bentonite		
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		0	7-9	24"/7"	23	Dark yellowish brown (10YR 4/2), damp medium dense, fine to coarse SAND and fine to coarse gravel, trace silt (subangular to subrounded)			0.1
		2	14-16						
		5	30-9	24"/20"	21	Dark yellowish brown (10YR 4/2), damp, medium dense, medium to coarse SAND, little fine to medium gravel and fine sand, trace silt (subangular to subrounded)			0.1
		7	12-8						
		10	11-10	24"/0"	21	No recovery			NA
		12	11-13						
		15	9-34	24"/14"	66	Dark yellowish brown (10YR 4/2), damp to moist near top, very dense, fine to coarse GRAVEL and coarse sand, little to trace fine to medium sand, (angular to subrounded)			0.1
		17	32-26						
		20	6-8	24"/16"	19	Dark yellowish brown (10YR 4/2), moist, medium dense, fine to medium SAND, some to little coarse to very coarse sand, trace fine gravel (subrounded to subangular) slightly stratified			0
		22	11-13						
		25	6-7	24"/18"	19	Dark yellowish brown (10YR 4/2), moist, medium dense, fine to medium SAND, some sand to little coarse sand, trace fine gravel (subrounded to subangular)			0
		27	12-11						
		30	9-10	24"/18"	24	Dark yellowish brown (10YR 4/2), moist, medium dense, fine to medium SAND, trace coarse sand			0.1
		32	14-14						
		35	22-28	18"/13"	80	Dark yellowish brown (10YR 4/2), damp extremely dense, fine to coarse GRAVEL, some fine to coarse, trace silt (angular to subangular)			0.1
		36.5	52						
		40	28-32	18"/18"	84	Dark yellowish brown (10YR 4/2), saturated, extremely dense, fine to coarse GRAVEL, some fine to coarse, trace silt (angular to subangular)			0.1
		41.5	52						
						Bottom of boring at 43'			
Measured water level at 36.5' below grade after 40.0 to 41.5 ft sample was collected. Well construction data: bottom of well = 42.4 ft, 2-inch PVC screen (0.020 slot) = 42.2 to 32.2 ft, sand pack (1 morie) 43.0 to 30.0 ft, bentonite chips = 30.0 to 26.3 ft, bentonite cement grout = 26.3 to ~2 ft, (concrete pad = 2 to 0 ft. Locking steel stickup protective cover. (Depths are below ground surface).									
JF:ers/div10/MW-19									

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B-1
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Client: Special Metals Corporation Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY File No.: 2290.046	Sampler: 2-inch Split Spoon Hammer: 140 lbs Fall: 30-inch	Page 1 of 1 Location: North Pit Start Date: 1/14/96 End Date: 1/14/96
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Boring Company: Parratt-Wolff, Inc. Foreman: Brian Waters OBG Geologist: James Fitch	Screen = <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Riser <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Grout <input type="checkbox"/> Sand Pack <input checked="" type="checkbox"/> Bentonite
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Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing	
									PID (ppm)	
		0	12	24"/15"	30	Pale yellowish brown (10YR 6/2), damp, medium dense, gravelly, medium to very coarse SAND, trace fine sand and silt, angular to subangular	Gravelly medium to coarse Sand		0.4	
			16							
			14							
		2	10							
		2	32	3"-Spoon	45	Dark yellowish brown (10YR 4/2), moist, dense, medium to very coarse sandy GRAVEL, trace, fine sand and silt, angular to subrounded	Medium to very sandy GRAVEL		0.2	
			22							
			23							
		4	19							
		4	3	24"/11"	10	Dark yellowish brown (10YR 4/2), wet, loose, gravelly coarse to very coarse SAND, little medium sand, trace fine sand, subangular to subrounded.	Gravelly coarse to very coarse sand		0.4	
			4	3-Spoon						
			6							
			5							
		6	3	24"/7"	5	Dark yellowish brown (10YR 4/2), saturated, loose, gravelly coarse to very coarse SAND, little medium sand, trace fine sand, subangular to subrounded.			0.1	
			2							
			3							
		8	3							
		8	9	24"/16"	20	Dark yellowish brown (10YR 4/2), saturated, medium dense, gravelly coarse to very coarse SAND, little medium sand, trace fine sand, subangular to subrounded.			0.8	
			9							
			11							
		10	13							
		10	12	24"/14"	32	Dark yellowish brown (10YR 4/2), saturated, dense, gravelly coarse to very coarse SAND, little medium sand, trace fine sand, subangular to subrounded.			1.6	
			16							
			16							
		12	17							
		12	6	24"/0"	16	No recovery			NA	
			8							
			8							
		14	10							
		14	8	24"/16"	24	Dark yellowish brown (10YR 4/2), saturated, medium dense, gravelly coarse to very coarse SAND, little medium sand, trace fine sand, subangular to subrounded.			0.6	
			10							
			14							
		16	24							
						Bottom of boring at 16'				

Boring backfilled with borehole cuttings and bentonite

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

REPORT OF BORING

B-2

Client: **Special Metals Corporation**

Sampler: **2-inch Split Spoon**

Page 1 of 2
Location **North Pit - SE Side**

Proj. Loc: **Ludlow Sand & Gravel
North Pit - Paris, NY**

Hammer: **140 lbs**

File No.: **22909.046**

Fall: **30-inch**

Start Date: **1/14/97**
End Date: **1/14/97**

Boring Company: **Parratt-Wolff, Inc.**
Foreman: **Layne Pech/Doug Richmond**
OBG Geologist: **James Fitch**

Screen =
Riser
Grout Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		0	5	22"/6"	9				2.2
			4			Dark yellowish brown (10YR 4/2), damp, loose, silty, fine SAND, some gravel, little medium to coarse sand, trace clay	Silty to fine SAND, some gravel, little medium to coarse sand, trace clay		
			5						
		1-8	50/0.3			Gravel and cobbles prevented samples from 2.4', augered to 4.0'	Medium to coarse sandy GRAVEL, little silt and fine sand		NR
		4	5	12"/10"		Dark yellowish brown (10YR 4/2), moist to wet, very dense, medium to coarse sandy GRAVEL, little silt and fine sand	Medium to coarse sandy GRAVEL, little silt and fine sand		0.4
			55						
		6-6.3	50/0.3	4"/14"		Dark yellowish brown (10YR 4/2), moist to wet, very dense, medium to coarse sandy GRAVEL, little silt and fine sand	SILT with fine to coarse sand and little clay		0.5
		8	3	24"/6"	6	Dark yellowish brown (10YR 3/2), moist, medium stiff, SILT, some to little fine to coarse sand and clay	Dark yellowish brown (10YR 3/2), moist, medium stiff, SILT, some to little fine to coarse sand and clay		0.3
			3						
		10	4	24"/18"	9	Dark yellowish brown (10YR 3/2), moist, medium stiff, SILT, some to little fine to coarse sand and clay	Silty fine SAND little medium to coarse sand		0.4
			5						
			4						
		12	4						
		12	3	24"/22"	8	Dark yellowish brown (10YR 3/2) to moderate yellowish brown (10YR 5/4), moist to wet, loose, silty fine SAND, little medium to coarse sand, little to trace gravel	Fine sandy SILT some medium to coarse sand little clay		0.8
			4						
		14	6						
			5	3" spoon	10	Moderate yellowish brown (10YR 5/4), moist to wet, stiff, fine sandy SILT, some to little medium to coarse sand, little gravel and clay	Silty fine to medium SAND, trace clay		0.4
			5						
		16	5						
		16	3	24"/24"	6	Dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4) in upper portion, moist to wet, loose, silty fine to medium SAND, little coarse sand and gravel, trace clay in upper portion (subrounded)	Fine to coarse SAND to fine sandy SILT, trace clay		0.2
			3						
			3						
		18	3						
		18	4	24"/8"	8	Dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4), moist to wet, loose, fine to coarse SAND, little gravel to fine sandy SILT, trace clay and medium to coarse sand, with varved silt, little clay layer, 3/4 inch thick			
			4						
			4						
		20	3						

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B-2
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Client: Special Metals Corporation Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY File No.: 2290.046	Sampler: 2-inch Split Spoon Hammer: 140 lbs Fall: 30-inch	Page 2 of 2 Location North Pit - SE Side Start Date: 1/14/97 End Date: 1/14/97
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Boring Company: Parratt-Wolff, Inc. Foreman: Layne Pech/Doug Richmond OBG Geologist: James Fitch	Screen = <input type="checkbox"/> Riser = <input type="checkbox"/> \ <input checked="" type="checkbox"/> Grout Sand Pack Bentonite
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Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		20	2	24"/17"	4	Moderate yellowish brown (10YR 5/4), wet to saturated, very loose, fine to medium SAND little silt and fine to medium gravel, with trace clay in places	Fine to medium SAND, little silt, trace clay		0.2
			2						
		22	2						
		22	3	24"/24"	15	Moderate yellowish brown (10YR 5/4), wet to saturated, medium dense, fine to coarse SAND, little silt and fine to coarse gravel, with 3/4 inch SILT lense near bottom	Fine to coarse SAND, little silt (silt layer at bottom)		0.3
			5						
		24	10						
		24	7	24"/20"	19	Moderate yellowish brown (10YR 5/4), wet to saturated, medium dense, fine to coarse SAND, trace gravel and silt, layer of fine to medium SAND from 24.8' to 25.4'			0.2
			7						
		26	18						
		26	24	24"/14"	38	Moderate yellowish brown (10YR 5/4) to dark yellowish brown (10YR 4/2), wet to saturated, dense, medium to very coarse SAND, little fine to medium gravel and trace fine sand	Medium to very coarse SAND, little fine to medium gravel		0.5
			21						
		28	20						
		28	20	24"/22"	32	Moderate yellowish brown (10YR 5/4) to dark yellowish brown (10YR 4/2), wet to saturated, dense, medium to very coarse SAND, little fine to medium gravel and trace fine sand			0.3
			16						
		30	12						
		30	6	24"/8"	16	Moderate yellowish brown (10YR 5/4) to dark yellowish brown (10YR 4/2), wet to saturated, dense, medium to very coarse SAND, little fine to medium gravel and trace fine sand			0.2
			8						
		32	15						
						Bottom of boring at 32 ft			

Boring backfilled with borehole cuttings and bentonite.

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

REPORT OF BORING

B-3

Client: **Special Metals Corporation**

Sampler: **2-inch Split Spoon**

Page 1 of 2
Location **North Pit - SW Side**

Proj. Loc: **Ludlow Sand & Gravel
North Pit - Paris, NY**

Hammer: **140 lbs**

Start Date: **1/13/97**
End Date: **1/13/97**

File No.: **2290.046**

Fall: **30-inch**

Boring Company: **Parratt-Wolff, Inc.**
Foreman: **Layne Pech/Doug Richmond**
OBG Geologist: **James Fitch**

Screen = \
Riser
Grout Sand Pack Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		0	7	24"/18"	20	Dark yellowish brown (10YR 4/2), damp, medium dense, medium to coarse SAND, some fine to coarse gravel, trace fine sand and silt, subangular	Medium to coarse SAND, some gravel		0.3
			11						
			9						
		2	11						
		2	8	24"/15"	25	Dark yellowish brown (10YR 4/2), damp, medium dense, medium to coarse SAND, some fine to coarse gravel, trace fine sand and silt, subangular	Coarse sandy gravel little fine to medium sand and silt		0.2
			12						
			13						
		4	13						
		4	11	24"/10"	35	Dark yellowish brown (10YR 4/2), damp, dense, coarse sandy, GRAVEL, little to trace fine to medium sand and silt subrounded to subangular	Coarse sand to medium gravel, sand little fine to medium sand		0.1
			15						
			20						
		6	24						
		6	10	24"/16"	27	Dark yellowish brown (10YR 4/2), damp, medium dense SAND to medium gravel, little to trace, fine to medium sand and coarse gravel	Coarse sand to medium gravel, sand little fine to medium sand		0.2
			13						
			14						
		8	11						
		8	15	24"/8"	12	Moderate yellowish brown (10YR 5/4), saturated, medium dense, fine to coarse GRAVEL, little medium to coarse sand, trace fine sand and silt, subangular to subrounded	GRAVEL little medium sand		0.4
			7						
			5						
		10	4						
		10	5	24"/12"	8	Poor recovery, moderate yellowish brown (10YR 5/4), saturated, medium dense, fine to coarse GRAVEL, little medium to coarse sand, trace fine sand and silt, subangular to subrounded			0.3
			4						
			4						
		12	4						
		12	5	24"/14"	17	Moderate yellowish brown (10YR 5/4), saturated, medium dense, fine to coarse GRAVEL, little medium to coarse sand, trace fine sand and silt, subangular to subrounded			0.4
			9						
			8						
		14	7						
		14	8	24"/8"	19	Light olive gray (5Y 5/2), saturated, medium dense, fine to coarse GRAVEL, little medium to coarse sand, trace fine sand and silt, angular to subrounded			0.4
			10						
			9						
		16	13						
		16	7	24"/24"	20	Olive gray (5Y 4/1), saturated, medium dense, coarse sand to medium GRAVEL, little fine to medium sand	Coarse sand to medium GRAVEL		0.9
			10						
			10						
		18	10						

Client: Special Metals Corporation	Sampler: 2-inch Split Spoon	Page 2 of 2
Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY	Hammer: 140 lbs	Location North Pit - SW Side
File No.: 2290.046	Fall: 30-inch	Start Date: 1/13/97 End Date: 1/13/97

Boring Company: Parratt-Wolff, Inc.	Screen <input type="checkbox"/> =	\	Grout
Foreman: Layne Pech/Doug Richmond	Riser <input type="checkbox"/>		Sand Pack
OBG Geologist: James Fitch			Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing	
									PID (ppm)	
		18	8	24/27"	21	Olive gray (5Y 4/1), saturated, medium coarse sandy fine to medium GRAVEL, little fine to medium sand			NA	
			10							
			11							
		20	12			Bottom of boring at 20.0 ft				

Boring backfilled with borehole cuttings and bentonite.

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

REPORT OF BORING

B-4

Client: **Special Metals Corporation**

Sampler: **2-inch Split Spoon**

Page 1 of 2
Location **North Pit - West Side**

Proj. Loc: **Ludlow Sand & Gravel
North Pit - Paris, NY**

Hammer: **140 lbs**

Start Date: **1/13/96**
End Date: **1/13/96**

File No.: **2290.046**

Fall: **30-inch**

Boring Company: **Parratt-Wolff, Inc.**
Foreman: **Brian Waters**
OBG Geologist: **James Fitch**

Screen = Grout
Riser Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		0	1	24"/18"	5	Dark yellowish brown (10YR 4/2), moist, loose, fine sandy SILT, trace medium to coarse sand and clay, layer of grayish orange (10 YR 7/4), 3" thick fine to medium sand	fine sandy SILT trace clay		1.1
			1						
			4						
		2	4						
		2	3	24"/18"	4	Dark yellowish brown (10YR 4/2), moist to wet, fine sandy SILT, trace medium to coarse sand and clay			0.8
			2						
			2						
			4	3					
		4	3	24"/20"	4	Dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4), moist to wet, loose, fine sandy SILT and silty fine to medium SAND, little coarse sand and gravel, trace clay, subangular	fine sandy SILT and silty		0.2
			2						
			2						
			6	3					
		6	2	24"/14"	14	Dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4), moist to wet, medium dense, silty fine to medium SAND, little coarse sand trace gravel and clay	fine to medium SAND trace clay		0
			2						
			12						
			8	12					
		8	14	24"/16"	23	Dark yellowish brown (10YR 4/2), damp to moist, medium dense, silty fine SAND (matrix) some medium to coarse sand and gravel (in suspension) subangular	silty, fine sand with coarse material (till)		1.0
			12						
			11						
			10	11					
		10	4	24"/11"	38	Dark yellowish brown (10YR 4/2), damp to moist, dense, silty fine SAND (matrix) some medium to coarse sand and gravel (in suspension) subangular			0.5
			12						
			26						
			12	29					
		12	37	24"/9"	45	Light gray (N7), dry, dense, ROCK FRAGMENTS with pocket of dark gray silty fine SAND at bottom	fractured rock fragments		0.2
			27						
			18						
			14	18					
		14	10	24"/24"	36	Dark yellowish brown (10YR 4/2), damp to moist, medium dense, silty fine SAND (matrix) some medium to coarse sand and gravel (in suspension) subangular to 15', then dark yellowish brown (10YR 4/2), moist, dense gravelly coarse SAND, little fine to medium sand, bottom 2 inches wet. (Noted dark gray staining 2" thick at 14.5')			0.2
			16						
			16						
			16	16					

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B-4
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Client: Special Metals Corporation Proj. Loc: Ludlow Sand & Gravel North Pit - Paris, NY File No.: 2290.046	Sampler: 2-inch Split Spoon Hammer: 140 lbs Fall: 30-inch	Page 2 of 2 Location North Pit - Westside Start Date: 1/13/96 End Date: 1/13/96
---	--	--

Boring Company: Parratt-Wolff, Inc. Foreman: Brian Waters OBG Geologist: James Fitch	Screen = <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Riser <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
---	---

Grout	<input type="checkbox"/>
Sand Pack	<input checked="" type="checkbox"/>
Bentonite	<input type="checkbox"/>

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		16	11	24"/20"	18	Dark yellowish brown (10YR 4/2), saturated dense gravelly coarse SAND, little fine to medium sand, bottom 2" wet	Gravelly coarse sand little to trace fine to medium sand		0.4
			8						
		18	12						
		18	7	24"/18"	29	Dark yellowish brown (10YR 4/2), saturated dense gravelly, coarse SAND, little fine to medium sand, bottom 2" wet	medium sand		0.3
			13						
		20	13						
		20	6	24"/16"	12	Dark yellowish brown (10YR 5/2), saturated, medium dense, gravelly coarse SAND, little to trace, fine to medium sand	Gravelly coarse sand little to trace fine to medium sand		0.4
			7						
		22	7						
		22	8	24"/20"	13	Dark yellowish brown (10YR 5/2), saturated, medium dense, gravelly coarse SAND, little to trace, fine to medium sand	medium sand		1.0
			5						
		24	7						
		24	9	24"/24"	21	Dark yellowish brown (10YR 5/2), saturated, medium dense, gravelly coarse SAND, little to trace, fine to medium sand			0.2
			10						
			11						
		26	11						

Boring backfilled with borehole cuttings and bentonite.

JF:ers/div10/B4-2

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

REPORT OF BORING

B-5

Client: **Special Metals Corporation**

Sampler: **2-inch Split Spoon**

Page 1 of 1
Location **North Pit - NW- Side**

Proj. Loc: **Ludlow Sand & Gravel
North Pit - Paris, NY**

Hammer: **140 lbs**

Start Date: **1/14/97**
End Date: **1/14/97**

File No.: **2290.046**

Fall: **30-inch**

Boring Company: **Parratt-Wolff, Inc.**

Foreman: **Layne Pech/Doug Richmond**
OBG Geologist: **James Fitch**

Screen = Grout
Riser Sand Pack
Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
		0	2	24"/17"	6	Dark yellowish brown (10YR 4/2), damp, loose, very fine sandy SILT, little fine to coarse sand and gravel, trace clay, sub-rounded	Very fine sandy SILT, trace clay		1.1
			2						
		2	7						
		2	4	24"/12"	8	Moderate yellowish brown (10YR 5/4), damp, loose, very fine sandy SILT, little fine to coarse sand and gravel, trace clay, sub-rounded			0.3
			4						
		4	4						
		4	5	24"/19"	22	Dark yellowish brown (10YR 4/2) to mostly moderate yellowish brown (10YR 5/4), moist to wet, medium dense, very fine sandy SILT, with little fine to coarse sand and gravel, subrounded above 4.8'	Very fine sandy SILT		0.4
			11	3" spoon					
		6	13						
		6	7	24"/24"	18	Moderate yellowish brown (10YR 5/4), wet, to saturated near bottom, medium dense, silty very fine SAND, some to little fine to coarse sand and gravel, subrounded	Silty very fine SAND		0.1
			8						
		8	13						
		8	5	24"/18"	14	Dark yellowish brown (10YR 4/2) to moderate yellowish brown (10YR 5/4), saturated, medium dense, fine to coarse SAND, little silt and gravel to 9.2' then silty fine SAND (matrix) some to little medium coarse sand and gravel, subrounded	Fine to coarse SAND, little silt		0.3
			7						
		10	9						
		10	4	24"/8"	16	Moderate yellowish brown (10YR 5/4), moist to wet, medium dense, silty fine SAND (matrix) some to little medium to coarse sand and gravel, subrounded (in suspension) compacted	Silty, fine SAND (matrix) with medium to coarse sand and gravel		0.5
			7						
		12	9						
		12	7	24"/14"	16	Moderate yellowish brown (10YR 5/4), moist to wet, medium dense, silty fine SAND (matrix) some to little medium to coarse sand and gravel, subrounded (in suspension) compacted			0.3
			8						
		14	16						
		14	9	24"/21"	21	Dark yellowish brown (10YR 5/4), saturated, medium dense, fine gravelly, medium sand, fine gravel, subrounded to subangular	Sand to fine gravel		0.3
			11						
		16	11						
						Bottom of boring at 16 ft			

Boring backfilled with borehole cuttings and bentonite

O'BRIEN & GERE ENGINEERS, INC.	TEST BORING LOG	REPORT OF BORING B-6
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Client: Special Metals Ludlow Sand and Gravel Proj. Loc: Clayville, NY File No.: 2290.046	Drill Method: Sampler: 2-inch Split Spoon Hammer: Tripod Rig Fall:	Page 1 of 1 Location: Start Date: 9/17/97 End Date: 9/17/97
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Boring Company: Parratt-Wolff Foreman: Mark Eaves Drill Rig: Tri-Pod OBG Geologist: Chawn O'Dell	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">Screen</td> <td style="width:15%;">=</td> <td style="width:15%;"></td> <td style="width:15%;"></td> <td style="width:15%;">Grout</td> </tr> <tr> <td>Riser</td> <td></td> <td></td> <td></td> <td>Sand Pack</td> </tr> <tr> <td>Steel</td> <td>//</td> <td></td> <td></td> <td>Bentonite</td> </tr> </table>	Screen	=			Grout	Riser				Sand Pack	Steel	//			Bentonite
Screen	=			Grout												
Riser				Sand Pack												
Steel	//			Bentonite												

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing	
									PID (ppm)	
0	1	0-2	NA	2.0/0.8	NA	Moderate brown (5YR 4/4), to brownish gray (5Y 4/1), saturated, SILT, some fine sand, little organics, trace fine to medium gravel (subrounded to subangular)			6.5	
1							Slight Odor			
2	2	2-4	NA	2.0/1.0	NA	Light olive gray (5Y 5/2), saturated SILT, some fine sand, little organics			9.5	
3							Slight Odor			
4	3	4-6	NA	2.0/1.2	NA	Light olive gray (5Y 5/2), saturated, SILT, some fine to coarse sand, little organics			8.5	
5										
6	4	6-8	NA	2.0/1.0	NA	No recovery				
7										
8	5	8-10	NA	2.0/1.0	NA	Brownish gray (5Y 4/1), saturated, fine SAND, some silt, little fine to medium gravel (subrounded to subangular)				
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										

Client: Special Metals
Ludlow Sand and Gravel
Proj. Loc: Clayville, NY

Drill Method:
Sampler: 2-inch Split Spoon
Hammer: Tripod Rig

Page 1 of 1
Location:

File No.: 2290.046

Fall:

Start Date: 9/17/97
End Date: 9/17/97

Boring Company: Parratt-Wolff
Foreman: Mark Eaves
Drill Rig: Tri-Pod
OBG Geologist: Chawn O'Dell

Screen	=	Grout
Riser		Sand Pack
Steel	//	Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1	0-2	NA	2.0/1.2	NA	Grayish brown (5Y 3/2), saturated-organic and SILT little fine to medium sand, trace fine gravel			2.0
1									
2	2	2-4	NA	2.0/1.0	NA	Light olive gray (5Y 5/2), saturated, fine SAND and SILT, little fine to medium gravel			2.0
3									
4	3	4-6	NA	2.0/0.8	NA	Light olive gravel (5Y 5/2), saturated, fine to medium SAND, some silt, little fine to medium gravel (sub-angular)			0.0
5									
6	4	6-8	NA	2.0/1.0	NA	Brownish gray (5YR 4/1), saturated, SILT, some fine top medium gravel, little coarse gravel (sub-angular)			0.0
7									
8	5	8-10	NA	2.0/1.0	NA	Brownish gray (5YR 4/1), saturated, SILT, some fine sand, little fine to medium gravel (subangular)			
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									

Notes:

O'BRIEN & GERE ENGINEERS, INC.						TEST BORING LOG		REPORT OF BORING B-8	
Client: Special Metals Ludlow Sand and Gravel Proj. Loc: Clayville, NY			File No.: 2290.046			Drill Method: Sampler: 2-inch Split Spoon Hammer: Tripod Rig		Page 1 of 1 Location: Start Date: 9/17/97 End Date: 9/17/97	
Boring Company: Parratt-Wolff Foreman: Mark Eaves Drill Rig: Tri-Pod OBG Geologist: Chawn O'Dell						Screen = Riser Steel //		Grout Sand Pack Bentonite	
Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing PID (ppm)
0	1	0-2	NA	2.0/0.4	NA	Light olive gray (5Y 6/1), saturated, SILT, some fi to medium sand, little organics, trace fine gravel (subangular)			0.0
1									
2	2	2-4	NA	2.0/1.0	NA	No recovery			NA
3									
4	3	4-6	NA	2.0/0.0	NA	No recovery			NA
5									
6	4	6-8	NA	2.0/0.5	NA	Olive gray (5Y 4/1), saturated SILT and fine SAN little fine to medium gravel (subrounded)			0.0
7									
8	5	8-10	NA	2.0/1.0	NA	Olive gray (5Y 4/1), saturated, fine SAND, some little fine to medium gravel (subrounded)			0.0
Notes:									

TEST BORING LOG

**REPORT OF BORING
B-9**

Client: Special Metals
Ludlow Sand and Gravel
Proj. Loc: Clayville, NY

File No.: 2290.046
Boring Company: Parratt-Wolff
Foreman: Mark Eaves
Drill Rig: Tri-Pod
OBG Geologist: Chawn O'Dell

Drill Method:
Sampler: 2-inch Split Spoon
Hammer: Tripod Rig

Fall:

Page 1 of 1
Location:

Start Date: 9/17/97
End Date: 9/17/97

Screen	=	<input type="checkbox"/>	Grout
Riser		<input type="checkbox"/>	Sand Pack
Steel	//	<input checked="" type="checkbox"/>	Bentonite

Depth Below Grade	No.	Depth (feet)	Blows /6"	Penetr/ Recovery	"N" Value	Sample Description	Stratum Change General Descript	Equip. Installed	Field Testing
									PID (ppm)
0	1	0-2	NA	2.0/0.5	NA	Light brownish gray (5YR 6/1), saturated, SILT, some fine SAND, little fine gravel (angular)	Sheen/ Medium Odor		5.5
1									
2	2	2-4	NA	2.0/0.5	NA	Brownish gray (5YR 4/1), saturated, SILT, some fine to medium sand, little fine to medium gravel (angular to subangular)	Sheen Medium Odor		10.0
3									
4	3	4-6	NA	2.0/1.0	NA	Brownish gray (5YR 4/1), saturated SILT, some fi to coarse sand, trace fine gravel (subangular)	Sheen Medium Odor		12.0
5									
6	4	6-8	NA	2.0/1.3	NA	Dusky brown (5YR 2/2), saturated, fine to coarse SAND some fine to medium gravel (subrounded t angular), little silt			3.0
7									
8	5	8-10	NA	2.0/1.0	NA	Dusky brown (5YR 2/2), saturated, fine to coarse SAND, some silt, little fine to medium gravel (subrounded to subangular)			0.5

Notes:

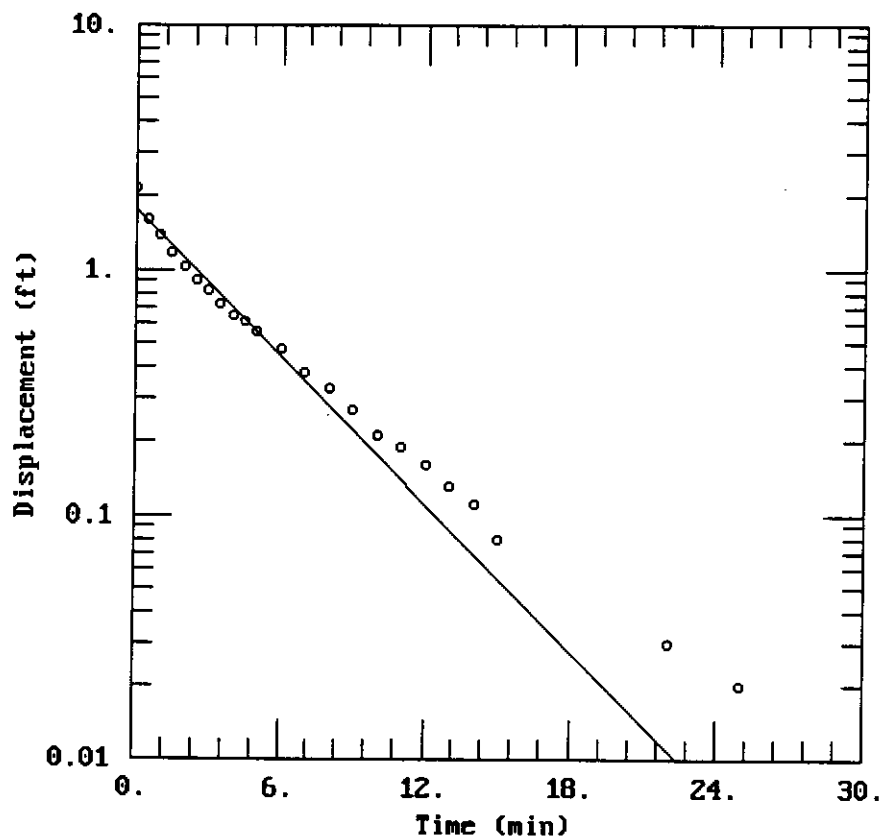
CLIENT: Special Metals Corp.

COMPANY: O'Brien & Gere Engineers, Inc

LOCATION: Ludlow Sand & Gravel-North Pit

PROJECT: 2290.046

MW-10



DATA SET:
SPMT10.DAT
10/12/98

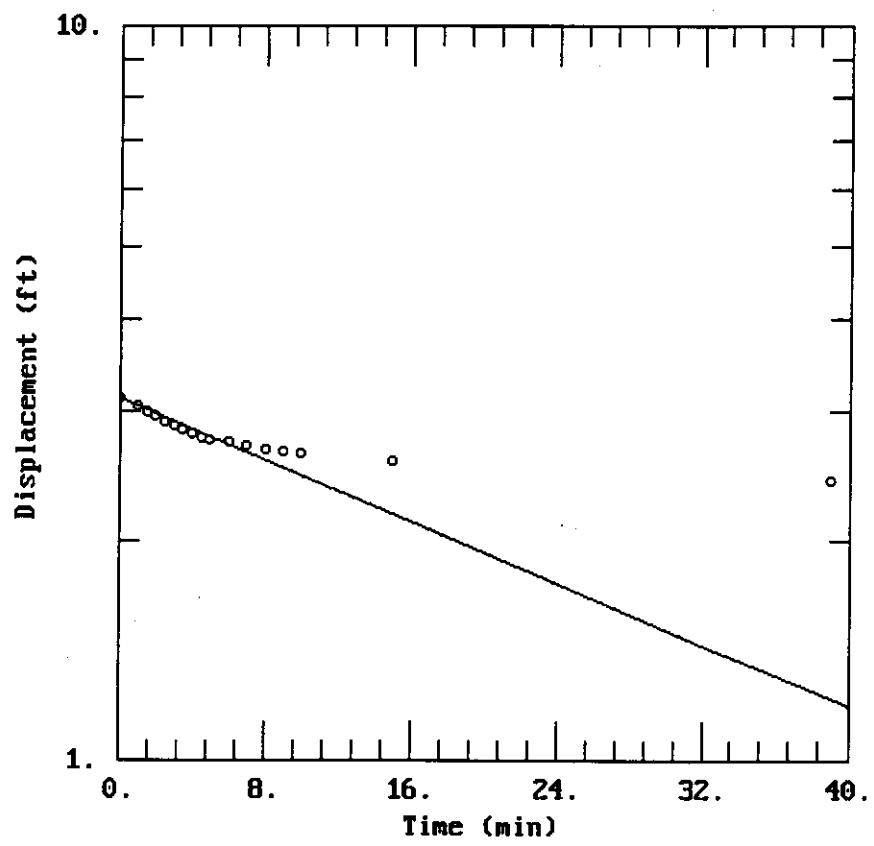
AQUIFER MODEL:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

TEST DATA:
H0 = 2.14 ft
rc = 0.083 ft
rw = 0.66 ft
L = 4.09 ft
b = 20. ft
H = 4.09 ft

PARAMETER ESTIMATES:
K = 0.002203 cm/sec
y0 = 1.744 ft

CLIENT: Special Metals Corp.	COMPANY: O'Brien & Gere Engineers, Inc
LOCATION: Ludlow Sand & Gravel-North Pit	PROJECT: 2290.046

MW-11R



DATA SET:
SPMT11R.DAT
10/12/98

AQUIFER MODEL:
Unconfined
SOLUTION METHOD:
Bower-Rice

TEST DATA:
H0 = 3.13 ft
rc = 0.083 ft
rw = 0.66 ft
L = 4.26 ft
b = 20. ft
H = 4.26 ft

PARAMETER ESTIMATES:
K = 0.0002287 cm/sec
y0 = 3.119 ft

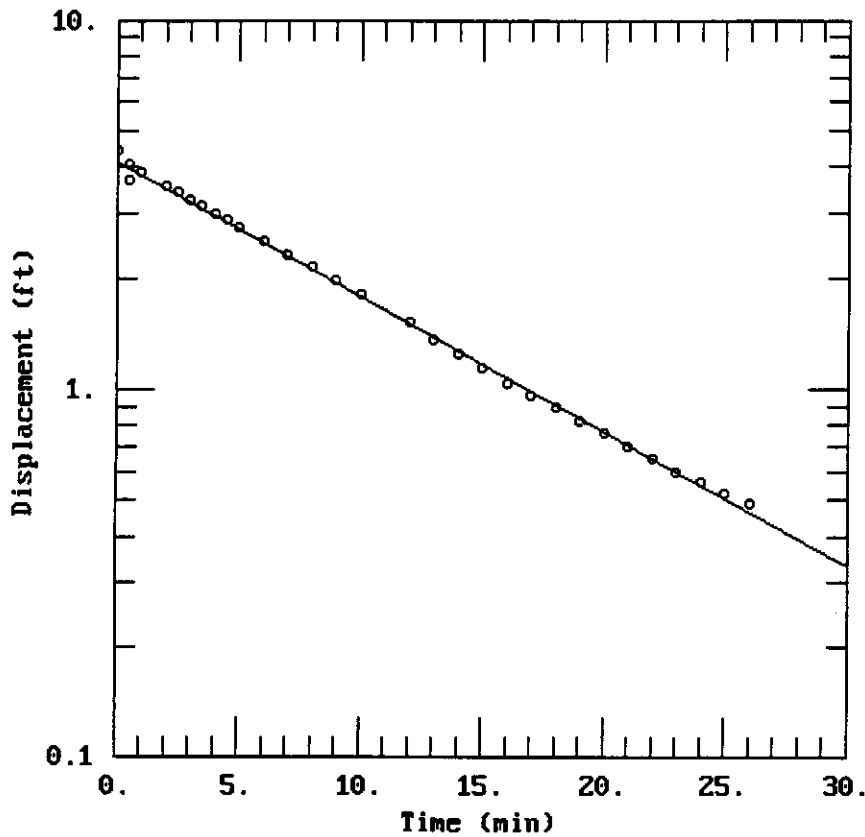
CLIENT: Special Metals Corp.

COMPANY: O'Brien & Gere Engineers, Inc

LOCATION: Ludlow Sand & Gravel-North Pit

PROJECT: 2290.046

MW-17



DATA SET:
SPM17.DAT
10/12/98

AQUIFER MODEL:
Unconfined
SOLUTION METHOD:
Bouwer-Rice

TEST DATA:
H0 = 4.42 ft
rc = 0.083 ft
rw = 0.66 ft
L = 13.27 ft
b = 20. ft
H = 13.27 ft

PARAMETER ESTIMATES:
K = 0.0004921 cm/sec
y0 = 4.13 ft

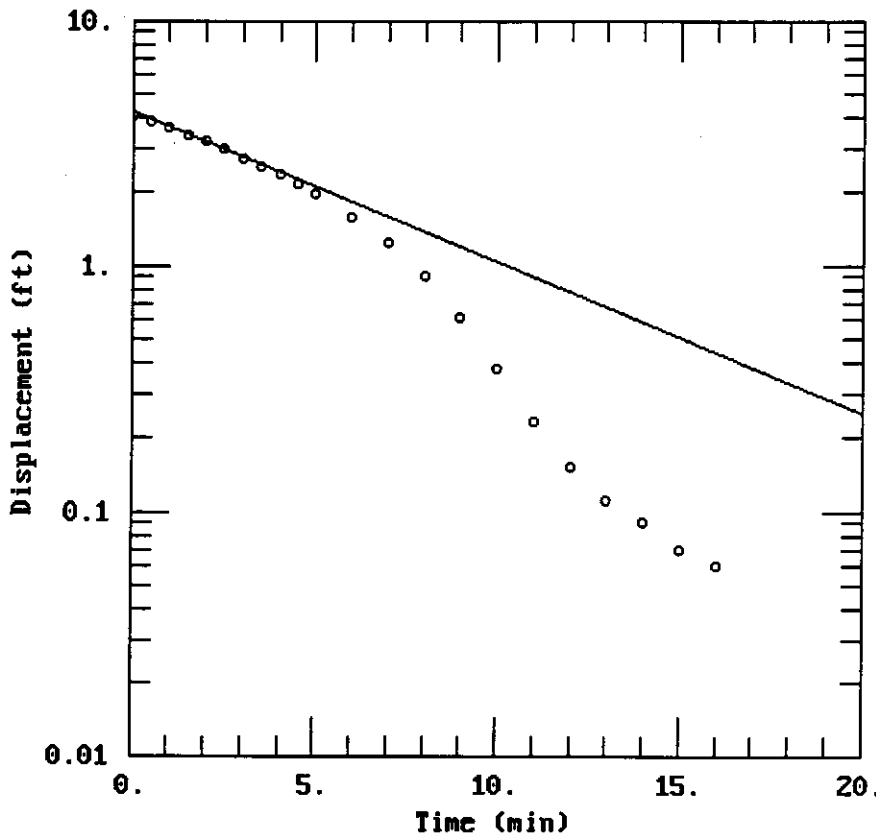
CLIENT: Special Metals Corp.

COMPANY: O'Brien & Gere Engineers, Inc

LOCATION: Ludlow Sand & Gravel-North Pit

PROJECT: 2290.046

MW-18



DATA SET:
SPMT18.DAT
10/12/98

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bower-Rice

TEST DATA:
 $H_0 = 4.13$ ft
 $r_c = 0.083$ ft
 $r_w = 0.66$ ft
 $L = 5.29$ ft
 $b = 20.$ ft
 $H = 5.29$ ft

PARAMETER ESTIMATES:
 $K = 0.001248$ cm/sec
 $y_0 = 4.234$ ft

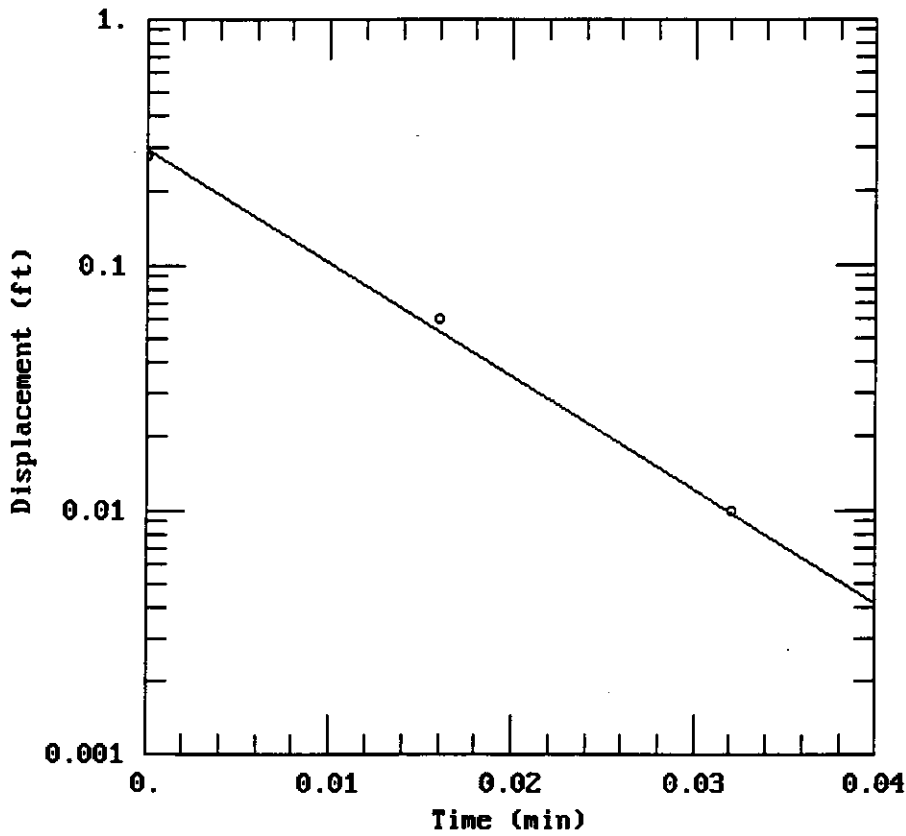
CLIENT: Special Metals Corp.

COMPANY: O'Brien & Gere Engineers, Inc

LOCATION: Ludlow Sand & Gravel-North Pit

PROJECT: 2290.046

MW-19



DATA SET:
SPMT19A.DAT
10/12/98

AQUIFER MODEL:
Unconfined
SOLUTION METHOD:
Bower-Rice

TEST DATA:
 $H_0 = 0.28$ ft
 $r_c = 0.083$ ft
 $r_w = 0.66$ ft
 $L = 3.18$ ft
 $b = 20.$ ft
 $H = 3.18$ ft

PARAMETER ESTIMATES:
 $K = 1.092$ cm/sec
 $y_0 = 0.2945$ ft

AQTESOLU

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0547
Samp. Description: SED 01
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 200 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011597S1
Prepared: 01/15/97 %Solids: 82.6
Analyzed: 01/21/97 Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<4.1	1		
PCB-1221	<4.1	1		
PCB-1232	<4.1	1		
PCB-1242	<4.1	1		
PCB-1248	<4.1	1		
PCB-1254	16.	1		
PCB-1260	<4.1	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

38: Surrogate was diluted.



Authorized: _____
Date: January 27, 1997 Thomas Alexander

- Outside control limits J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0548
Samp. Description: SED 08
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 20 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/15/97
Analyzed: 01/21/97

Matrix: Solid
QC Batch: 011597S1
%Solids: 83
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.41	1		
PCB-1221	<.41	1		
PCB-1232	<.41	1		
PCB-1242	<.41	1		
PCB-1248	<.41	1		
PCB-1254	1.5	1		
PCB-1260	<.41	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

38: Surrogate was diluted.



Authorized: _____
Date: January 27, 1997 Thomas Alexander

- Outside control limits J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0549
Samp. Description: SED 02
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 2000 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/15/97
Analyzed: 01/22/97

Matrix: Solid
QC Batch: 011597S1
%Solids: 78.8
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<43.	1		
PCB-1221	<43.	1		
PCB-1232	<43.	1		
PCB-1242	<43.	1		
PCB-1248	<43.	1		
PCB-1254	260.	1		6
PCB-1260	<43.	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

6: Altered aroclor.
38: Surrogate was diluted.



- Outside control limits J-Estimated value

Authorized: _____
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0550
Samp. Description: SED 03
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 50 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/15/97
Analyzed: 01/21/97

Matrix: Solid
QC Batch: 011597S1
% Solids: 22.4
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<3.8	1		
PCB-1221	<3.8	1		
PCB-1232	<3.8	1		
PCB-1242	<3.8	1		
PCB-1248	<3.8	1		
PCB-1254	13.	1		6
PCB-1260	<3.8	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted.



Authorized: _____
Date: January 27, 1997 Thomas Alexander

- Outside control limits J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0551
Samp. Description: SED 09
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 200 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/15/97
Analyzed: 01/21/97

Matrix: Solid
QC Batch: 011597S1
%Solids: 39.6
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<8.6	1		
PCB-1221	<8.6	1		
PCB-1232	<8.6	1		
PCB-1242	<8.6	1		
PCB-1248	<8.6	1		
PCB-1254	57.	1		6
PCB-1260	<8.6	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

6: Altered aroclor.
38: Surrogate was diluted.

- Outside control limits J-Estimated value



Authorized: _____
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0552
Samp. Description: SED 04
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 250 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011597S1
Prepared: 01/15/97 %Solids: 60.5
Analyzed: 01/22/97 Sample Size: 30 g


Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<7.0	1		
PCB-1221	<7.0	1		
PCB-1232	<7.0	1		
PCB-1242	<7.0	1		
PCB-1248	<7.0	1		
PCB-1254	<7.0	1		
PCB-1260	38.	1		6
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	<7.0	1		
Decachlorobiphenyl (surrogate)	0.0%	1	# 59-143	38
	0.0%	1	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted.

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0553
Samp. Description: SED 05
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 200 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/15/97
Analyzed: 01/21/97

Matrix: Solid
QC Batch: 011597S1
%Solids: 79.5
Sample Size: 30 g


Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<4.3	1		
PCB-1221	<4.3	1		
PCB-1232	<4.3	1		
PCB-1242	<4.3	1		
PCB-1248	<4.3	1		
PCB-1254	23.	1		
PCB-1260	<4.3	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

38: Surrogate was diluted.

- Outside control limits J-Estimated value


Authorized: _____
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0554
Samp. Description: SED 06
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 5000 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/15/97
Analyzed: 01/22/97

Matrix: Solid
QC Batch: 011597S1
%Solids: 56.3
Sample Size: 30 g

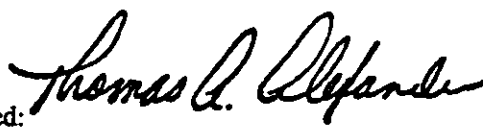
Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<150.	1		
PCB-1221	<150.	1		
PCB-1232	<150.	1		
PCB-1242	<150.	1		
PCB-1248	<150.	1		
PCB-1254	540.	1		6
PCB-1260	<150.	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted.

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0555
Samp. Description: SED 07
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 200 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011597S1
Prepared: 01/15/97 %Solids: 74.5
Analyzed: 01/21/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<4.6	1		
PCB-1221	<4.6	1		
PCB-1232	<4.6	1		
PCB-1242	<4.6	1		
PCB-1248	<4.6	1		
PCB-1254	22.	1		6
PCB-1260	<4.6	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

6: Altered aroclor.
38: Surrogate was diluted.

- Outside control limits J-Estimated value

Authorized: 

Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0556
Samp. Description: Equipment Blank
Primary column: Y
Units: ug/L
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/24/97

Matrix: Water
QC Batch: 011697W1
% Solids:
Sample Size: 0.97 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.10	1		
PCB-1221	<.10	1		
PCB-1232	<.10	1		
PCB-1242	<.10	1		
PCB-1248	<.10	1		
PCB-1254	<.10	1		
PCB-1260	<.10	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	65.%	1	48-134	
Decachlorobiphenyl (surrogate)	42.%	1	# 51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 28, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
 Project:
 Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
 Certification NY No.: 10155

Sample: E0579
 Samp. Description: B4 4-6'
 Primary column: Y
 Units: mg/Kg Dry Weight
 Column: DB-608 30m X 0.53mm ID
 Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97 Matrix: Solid
 Received: 01/14/97 QC Batch: 011697S1
 Prepared: 01/16/97 %Solids: 85.9
 Analyzed: 01/22/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.020	1		
PCB-1221	<.020	1		
PCB-1232	<.020	1		
PCB-1242	<.020	1		
PCB-1248	<.020	1		
PCB-1254	<.020	1		
PCB-1260	<.020	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	84.‡	1	59-143	
Decachlorobiphenyl (surrogate)	91.‡	1	50-145	

Notes:



Authorized: _____
 Date: January 27, 1997 Thomas Alexander

- Outside control limits J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
 Project:
 Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
 Certification NY No.: 10155

Sample: E0580
 Samp. Description: B4 8-10'
 Primary column: Y
 Units: mg/Kg Dry Weight
 Column: DB-608 30m X 0.53mm ID
 Dilution: 1 Instrument: HP5890-90

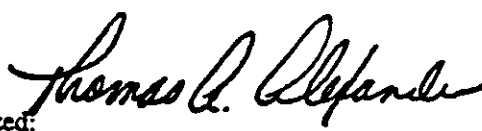
Collected: 01/13/97 Matrix: Solid
 Received: 01/14/97 QC Batch: 011697S1
 Prepared: 01/16/97 %Solids: 90.6
 Analyzed: 01/22/97 Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	93.‡	1	59-143	
Decachlorobiphenyl (surrogate)	91.‡	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
 Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0581
Samp. Description: B4 14-16'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/22/97

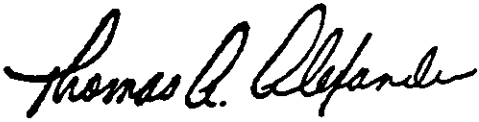
Matrix: Solid
QC Batch: 011697S1
%Solids: 91.4
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	87.%	1	59-143	
Decachlorobiphenyl (surrogate)	88.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0582
Samp. Description: B4 16-18'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/22/97


Matrix: Solid
QC Batch: 011697S1
%Solids: 89.6
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	89.%	1	59-143	
Decachlorobiphenyl (surrogate)	91.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0583
Samp. Description: B4 20-22'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/22/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 90.3
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	93.%	1	59-143	
Decachlorobiphenyl (surrogate)	91.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 

Date: January 27, 1997 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8080-ASP**

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0584
Samp. Description: B4 24-26'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S1
Prepared: 01/16/97 %Solids: 91.5
Analyzed: 01/22/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	94.%	1	59-143	
Decachlorobiphenyl (surrogate)	91.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Thomas A. Alexander

Authorized: _____
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0585
Samp. Description: B3 2-4'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 93.6
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.018	1		
PCB-1221	<.018	1		
PCB-1232	<.018	1		
PCB-1242	<.018	1		
PCB-1248	<.018	1		
PCB-1254	<.018	1		
PCB-1260	<.018	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	96.%	1	59-143	
Decachlorobiphenyl (surrogate)	92.%	1	50-145	

Notes:

- Outside control limits J-Estimated value



Authorized: _____
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0586
Samp. Description: B3 6-8'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 92.8
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.018	1		
PCB-1221	<.018	1		
PCB-1232	<.018	1		
PCB-1242	<.018	1		
PCB-1248	<.018	1		
PCB-1254	.057	1		
PCB-1260	<.018	1		6
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	95.%	1	59-143	
Decachlorobiphenyl (surrogate)	89.%	1	50-145	

Notes:
6: Altered aroclor.



Authorized: _____
Date: January 27, 1997 Thomas Alexander

- Outside control limits J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0587
Samp. Description: B3 8-10'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 10 Instrument: HP5890-90

Collected: 01/13/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 86.5
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.20	1		
PCB-1221	<.20	1		
PCB-1232	<.20	1		
PCB-1242	<.20	1		
PCB-1248	<.20	1		
PCB-1254	.30	1		
PCB-1260	<.20	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	93.8	1	59-143	
Decachlorobiphenyl (surrogate)	74.8	1	50-145	

Notes:

- Outside control limits J-Estimated value



Authorized: _____
Date: January 27, 1997 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8080-ASP**

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0588
Samp. Description: B3 12-14'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 10 Instrument: HP5890-90


Collected: 01/13/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S1
Prepared: 01/16/97 %Solids: 83.5
Analyzed: 01/23/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.20	1		
PCB-1221	<.20	1		
PCB-1232	<.20	1		
PCB-1242	<.20	1		
PCB-1248	<.20	1		
PCB-1254	.67	1		6
PCB-1260	<.20	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	90.%	1	59-143	
Decachlorobiphenyl (surrogate)	72.%	1	50-145	

Notes:
6: Altered aroclor.

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0589
Samp. Description: B3 16-18'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 10 Instrument: HP5890-90

Collected: 01/13/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S1
Prepared: 01/16/97 %Solids: 91.2
Analyzed: 01/23/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.19	1		
PCB-1221	<.19	1		
PCB-1232	<.19	1		
PCB-1242	<.19	1		
PCB-1248	<.19	1		
PCB-1254	.60	1		6
PCB-1260	<.19	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	93.%	1	59-143	
Decachlorobiphenyl (surrogate)	75.%	1	50-145	

Notes:
6: Altered aroclor.

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0590
Samp. Description: B5 0-2'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 100 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 86.6
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<2.0	1		
PCB-1221	<2.0	1		
PCB-1232	<2.0	1		
PCB-1242	<2.0	1		
PCB-1248	<2.0	1		
PCB-1254	10.	1		
PCB-1260	<2.0	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

38: Surrogate was diluted.



Authorized: _____
Date: January 27, 1997 Thomas Alexander

- Outside control limits J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0591
Samp. Description: B5 4-6'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S1
Prepared: 01/16/97 %Solids: 82.4
Analyzed: 01/23/97 Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.021	1		
PCB-1221	<.021	1		
PCB-1232	<.021	1		
PCB-1242	<.021	1		
PCB-1248	<.021	1		
PCB-1254	<.021	1		
PCB-1260	<.021	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	88.%	1	59-143	
Decachlorobiphenyl (surrogate)	86.%	1	50-145	

Notes:

- Outside control limits J-Estimated value


Authorized: _____

Date: January 27, 1997 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8080-ASP**

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0592
Samp. Description: B5 6-8'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

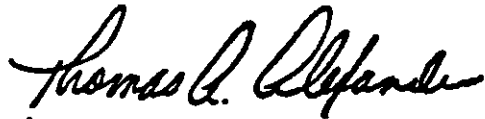
Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S1
Prepared: 01/16/97 %Solids: 86.5
Analyzed: 01/23/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.020	1		
PCB-1221	<.020	1		
PCB-1232	<.020	1		
PCB-1242	<.020	1		
PCB-1248	<.020	1		
PCB-1254	<.020	1		
PCB-1260	<.020	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	95.%	1	59-143	
Decachlorobiphenyl (surrogate)	94.%	1	50-145	

Notes:

- Outside control limits J-Estimated value


Authorized: _____
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0593
Samp. Description: B5 10-12'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 87.5
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	89.%	1	59-143	
Decachlorobiphenyl (surrogate)	87.%	1	50-145	

Notes:



Authorized: _____
Date: January 27, 1997 Thomas Alexander

- Outside control limits J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0594
Samp. Description: B5 14-16'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97


Matrix: Solid
QC Batch: 011697S1
%Solids: 88.8
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	97.%	1	59-143	
Decachlorobiphenyl (surrogate)	91.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0595
Samp. Description: B2 4-5'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 50 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 89.3
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.95	1		
PCB-1221	<.95	1		
PCB-1232	<.95	1		
PCB-1242	<.95	1		
PCB-1248	<.95	1		
PCB-1254	2.1	1		
PCB-1260	<.95	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:
38: Surrogate was diluted.

- Outside control limits J-Estimated value

Authorized: 

Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0596
Samp. Description: B2 10-12'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 10 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S1
Prepared: 01/16/97 %Solids: 82.8
Analyzed: 01/23/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.21	1		
PCB-1221	<.21	1		
PCB-1232	<.21	1		
PCB-1242	<.21	1		
PCB-1248	<.21	1		
PCB-1254	<.21	1		
PCB-1260	.40	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	<.21	1		
Decachlorobiphenyl (surrogate)	89.%	1	59-143	
	72.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
 Project:
 Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
 Certification NY No.: 10155

Sample: E0597
 Samp. Description: B2 14-16'
 Primary column: Y
 Units: mg/Kg Dry Weight
 Column: DB-608 30m X 0.53mm ID
 Dilution: 2 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
 Received: 01/14/97 QC Batch: 011697S1
 Prepared: 01/16/97 %Solids: 86.1
 Analyzed: 01/23/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.039	1		
PCB-1221	<.039	1		
PCB-1232	<.039	1		
PCB-1242	<.039	1		
PCB-1248	<.039	1		
PCB-1254	.12	1		
PCB-1260	<.039	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	82.%	1	59-143	
Decachlorobiphenyl (surrogate)	85.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
 Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0598
Samp. Description: B2 20-22'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/23/97

Matrix: Solid
QC Batch: 011697S1
%Solids: 82.9
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.021	1		
PCB-1221	<.021	1		
PCB-1232	<.021	1		
PCB-1242	<.021	1		
PCB-1248	<.021	1		
PCB-1254	<.021	1		
PCB-1260	<.021	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	84.%	1	59-143	
Decachlorobiphenyl (surrogate)	86.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8080-ASP**

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0599
Samp. Description: B2 24-26'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S2
Prepared: 01/16/97 %Solids: 84.1
Analyzed: 01/24/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.020	1		
PCB-1221	<.020	1		
PCB-1232	<.020	1		
PCB-1242	<.020	1		
PCB-1248	<.020	1		
PCB-1254	<.020	1		
PCB-1260	<.020	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	85.%	1	59-143	
Decachlorobiphenyl (surrogate)	83.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 

Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0600
Samp. Description: B2 28-30'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-90


Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S2
Prepared: 01/16/97 % Solids: 88.7
Analyzed: 01/24/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.019	1		
PCB-1221	<.019	1		
PCB-1232	<.019	1		
PCB-1242	<.019	1		
PCB-1248	<.019	1		
PCB-1254	<.019	1		
PCB-1260	<.019	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	89.%	1	59-143	
Decachlorobiphenyl (surrogate)	88.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0601
Samp. Description: B1 4-6'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 10 Instrument: HP5890-90


Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S2
Prepared: 01/16/97 %Solids: 92
Analyzed: 01/24/97 Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.18	1		
PCB-1221	<.18	1		
PCB-1232	<.18	1		
PCB-1242	<.18	1		
PCB-1248	<.18	1		
PCB-1254	1.2	1		
PCB-1260	<.18	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	87.%	1	59-143	
Decachlorobiphenyl (surrogate)	78.%	1	50-145	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0602
Samp. Description: B1 10-12'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 100 Instrument: HP5890-90

Collected: 01/14/97 Matrix: Solid
Received: 01/14/97 QC Batch: 011697S2
Prepared: 01/16/97 %Solids: 89.4
Analyzed: 01/24/97 Sample Size: 30 g


Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<1.9	1		
PCB-1221	<1.9	1		
PCB-1232	<1.9	1		
PCB-1242	<1.9	1		
PCB-1248	<1.9	1		
PCB-1254	4.9	1		6
PCB-1260	<1.9	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted.

- Outside control limits J-Estimated value


 Authorized: _____
 Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0603
Samp. Description: B1 14-16'
Primary column: Y
Units: mg/Kg Dry Weight
Column: DB-608 30m X 0.53mm ID
Dilution: 20 Instrument: HP5890-90

Collected: 01/14/97
Received: 01/14/97
Prepared: 01/16/97
Analyzed: 01/24/97

Matrix: Solid
QC Batch: 011697S2
%Solids: 88.6
Sample Size: 30 g

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.38	1		
PCB-1221	<.38	1		
PCB-1232	<.38	1		
PCB-1242	<.38	1		
PCB-1248	<.38	1		
PCB-1254	.82	1		6
PCB-1260	<.38	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	1	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	1	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted.

- Outside control limits J-Estimated value

Authorized: 
Date: January 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
 Project:
 Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
 Certification NY No.: 10155

Sample: E0604
 Samp. Description: Equipment Blank #1
 Primary column: Y
 Units: ug/L
 Column: DB-608 30m X 0.53mm ID
 Dilution: 1 Instrument: HP5890-90

Collected: 01/13/97 Matrix: Water
 Received: 01/14/97 QC Batch: 011697W1
 Prepared: 01/16/97 %Solids:
 Analyzed: 01/24/97 Sample Size: 0.97 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.10	1		
PCB-1221	<.10	1		
PCB-1232	<.10	1		
PCB-1242	<.10	1		
PCB-1248	<.10	1		
PCB-1254	<.10	1		
PCB-1260	<.10	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	63.†	1	48-134	
Decachlorobiphenyl (surrogate)	68.†	1	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
 Date: January 28, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
 Project:
 Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
 Certification NY No.: 10155

Sample: E0605
 Samp. Description: Equipment Blank #2
 Primary column: Y
 Units: ug/L
 Column: DB-608 30m X 0.53mm ID
 Dilution: 1 Instrument: HP5890-90

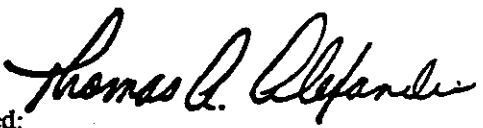
Collected: 01/14/97 Matrix: Water
 Received: 01/14/97 QC Batch: 011697W1
 Prepared: 01/16/97 %Solids:
 Analyzed: 01/24/97 Sample Size: 0.98 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.10	1		
PCB-1221	<.10	1		
PCB-1232	<.10	1		
PCB-1242	<.10	1		
PCB-1248	<.10	1		
PCB-1254	<.10	1		
PCB-1260	<.10	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	68.*	1	48-134	
Decachlorobiphenyl (surrogate)	66.*	1	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
 Date: January 28, 1997 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Wet Chemistry**

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0547
Samp. Description: SED 01

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

<u>Parameter</u>	<u>Result Units</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>QC Batch</u>	<u>Note</u>
% Total Solids	82.6 %	2540-G		01/16/97	011697S15	

Notes:

Sample: E0548
Samp. Description: SED 08

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

<u>Parameter</u>	<u>Result Units</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>QC Batch</u>	<u>Note</u>
% Total Solids	83.0 %	2540-G		01/16/97	011697S15	

Notes:

Sample: E0549
Samp. Description: SED 02

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

<u>Parameter</u>	<u>Result Units</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>QC Batch</u>	<u>Note</u>
% Total Solids	78.8 %	2540-G		01/16/97	011697S15	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0550
Samp. Description: SED 03

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	22.4 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0551
Samp. Description: SED 09

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	39.6 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0552
Samp. Description: SED 04

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	60.5 %	2540-G	01/16/97	011697S15	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0553
Samp. Description: SED 05

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	79.5 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0554
Samp. Description: SED 06

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	56.3 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0555
Samp. Description: SED 07

Collected: 01/14/97
Received: 01/14/97 18:15
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	74.5 %	2540-G	01/16/97	011697S15	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0579
Samp. Description: B4 4-6'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	85.9 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0580
Samp. Description: B4 8-10'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	90.6 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0581
Samp. Description: B4 14-16'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	91.4 %	2540-G	01/16/97	011697S15	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0582
Samp. Description: B4 16-18'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	89.6 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0583
Samp. Description: B4 20-22'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	90.3 %	2540-G	01/16/97	011697S15	

Notes:


Sample: E0584
Samp. Description: B4 24-26'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	91.5 %	2540-G	01/16/97	011697S15	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0585
Samp. Description: B3 2-4'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	93.6 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0586
Samp. Description: B3 6-8'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	92.8 %	2540-G	01/16/97	011697S15	

Notes:

Sample: E0587
Samp. Description: B3 8-10'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	86.5 %	2540-G	01/16/97	011697S15	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0588
Samp. Description: B3 12-14'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	83.5 %	2540-G	01/16/97	011697S16	

Notes:

Sample: E0589
Samp. Description: B3 16-18'

Collected: 01/13/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	91.2 %	2540-G	01/16/97	011697S16	

Notes:

Sample: E0590
Samp. Description: B5 0-2'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	86.6 %	2540-G	01/16/97	011697S16	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0591
Samp. Description: B5 4-6'

Collected: 01/14/97
Received: 01/14/97 20:30

Matrix: Solid

<u>Parameter</u>	<u>Result Units</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>QC Batch</u>	<u>Note</u>
% Total Solids	82.4 %	2540-G		01/16/97	011697S16	

Notes:

Sample: E0592
Samp. Description: B5 6-8'

Collected: 01/14/97
Received: 01/14/97 20:30

Matrix: Solid

<u>Parameter</u>	<u>Result Units</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>QC Batch</u>	<u>Note</u>
% Total Solids	86.5 %	2540-G		01/16/97	011697S16	

Notes:

Sample: E0593
Samp. Description: B5 10-12'

Collected: 01/14/97
Received: 01/14/97 20:30

Matrix: Solid

<u>Parameter</u>	<u>Result Units</u>	<u>Method</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>QC Batch</u>	<u>Note</u>
% Total Solids	87.5 %	2540-G		01/16/97	011697S16	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0594
Samp. Description: B5 14-16'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	88.8 %	2540-G	01/16/97	011697S16	

Notes:

Sample: E0595
Samp. Description: B2 4-5'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	89.3 %	2540-G	01/16/97	011697S16	

Notes:

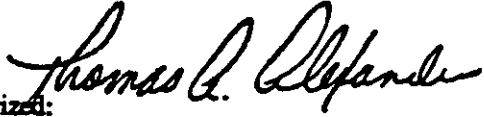
Sample: E0596
Samp. Description: B2 10-12'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch	Note
% Total Solids	82.8 %	2540-G	01/16/97	011697S16	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0597
Samp. Description: B2 14-16'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared	Analyzed	QC Batch	Note
% Total Solids	86.1 %	2540-G		01/16/97	011697S16	

Notes:

Sample: E0598
Samp. Description: B2 20-22'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared	Analyzed	QC Batch	Note
% Total Solids	82.9 %	2540-G		01/16/97	011697S16	

Notes:

Sample: E0599
Samp. Description: B2 24-26'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared	Analyzed	QC Batch	Note
% Total Solids	84.1 %	2540-G		01/16/97	011697S16	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E0600
Samp. Description: B2 28-30'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch Note
% Total Solids	88.7 %	2540-G	01/16/97	011697S16

Notes:

Sample: E0601
Samp. Description: B1 4-6'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch Note
% Total Solids	92.0 %	2540-G	01/16/97	011697S16

Notes:

Sample: E0602
Samp. Description: B1 10-12'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared Analyzed	QC Batch Note
% Total Solids	89.4 %	2540-G	01/16/97	011697S16

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Wet Chemistry

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

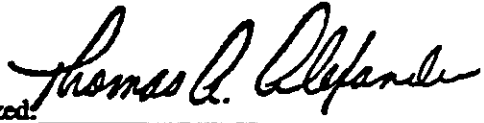
Sample: E0603
Samp. Description: B1 14-16'

Collected: 01/14/97
Received: 01/14/97 20:30
Matrix: Solid

Parameter	Result Units	Method	Prepared	Analyzed	QC Batch	Note
% Total Solids	88.6 %	2540-G		01/16/97	011697S16	

Notes:

J-Estimated value

Authorized: 
Date: January 22, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0612
Samp. Description: B-6 (0-2')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 100 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/23/97

Matrix: Solid
QC Batch: 091997S2
%Solids: 47.9
Sample Size: 30 g

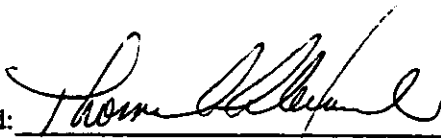
Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<3.5	2		
PCB-1221	<3.5	2		
PCB-1232	<3.5	2		
PCB-1242	<3.5	2		
PCB-1248	<3.5	2		
PCB-1254	25.	2		6
PCB-1260	<3.5	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0613
Samp. Description: B-6 (2-4')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 100 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 67.4
Analyzed: 09/23/97 Sample Size: 30 g


Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog</u> <u>Limits</u>	<u>Notes</u>
PCB-1016	<2.5	2		
PCB-1221	<2.5	2		
PCB-1232	<2.5	2		
PCB-1242	<2.5	2		
PCB-1248	<2.5	2		
PCB-1254	8.5	2		
PCB-1260	<2.5	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0614
Samp. Description: B-6 (4-6')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 100 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 53.2
Analyzed: 09/23/97 Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<3.1	2		
PCB-1221	<3.1	2		
PCB-1232	<3.1	2		
PCB-1242	<3.1	2		
PCB-1248	<3.1	2		
PCB-1254	15.	2		6
PCB-1260	<3.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0615
Samp. Description: B-6 (8-10')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 5 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 88.1
Analyzed: 09/23/97 Sample Size: 30 g


Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.095	2		
PCB-1221	<.095	2		
PCB-1232	<.095	2		
PCB-1242	<.095	2		
PCB-1248	<.095	2		
PCB-1254	.30	2		
PCB-1260	<.095	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	88.%	2	59-143 38	
Decachlorobiphenyl (surrogate)	80.%	2	50-145 38	

Notes:

38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0616
Samp. Description: Blind Duplicate
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 50 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 49.5
Analyzed: 09/23/97 Sample Size: 30 g


Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<1.7	2		
PCB-1221	<1.7	2		
PCB-1232	<1.7	2		
PCB-1242	<1.7	2		
PCB-1248	<1.7	2		
PCB-1254	7.4	2		6
PCB-1260	<1.7	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0617
Samp. Description: B-7 (0-2')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 2 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 80.4
Analyzed: 09/23/97 Sample Size: 30 g


Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.041	2		
PCB-1221	<.041	2		
PCB-1232	<.041	2		
PCB-1242	<.041	2		
PCB-1248	<.041	2		
PCB-1254	.16	2		6
PCB-1260	<.041	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	108.%	2	59-143	38
Decachlorobiphenyl (surrogate)	87.%	2	50-145	38

Notes:

6: Altered aroclor.
38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0618
Samp. Description: B-7 (2-4')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 10 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 80.8
Analyzed: 09/23/97 Sample Size: 30 g


Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.21	2		
PCB-1221	<.21	2		
PCB-1232	<.21	2		
PCB-1242	<.21	2		
PCB-1248	<.21	2		
PCB-1254	.85	2		6
PCB-1260	<.21	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	93.%	2	59-143	38
Decachlorobiphenyl (surrogate)	75.%	2	50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0619
Samp. Description: B-7 (4-6")
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 10 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/23/97

Matrix: Solid
QC Batch: 091997S2
%Solids: 74.4
Sample Size: 30 g


Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.22	2		
PCB-1221	<.22	2		
PCB-1232	<.22	2		
PCB-1242	<.22	2		
PCB-1248	<.22	2		
PCB-1254	.66	2		6
PCB-1260	<.22	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	98.%	2	59-143	38
Decachlorobiphenyl (surrogate)	80.%	2	50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0620
Samp. Description: B-7 (6-8')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 500 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/24/97

Matrix: Solid
QC Batch: 091997S2
%Solids: 79.4
Sample Size: 30 g

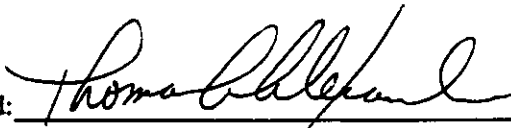
Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog</u> <u>Limits</u>	<u>Notes</u>
PCB-1016	<10.	2		
PCB-1221	<10.	2		
PCB-1232	<10.	2		
PCB-1242	<10.	2		
PCB-1248	<10.	2		
PCB-1254	49.	2		6
PCB-1260	<10.	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

6: Altered aroclor.
38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas/Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0621
Samp. Description: B-7 (8-10")
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 5 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 84.0
Analyzed: 09/23/97 Sample Size: 30 g

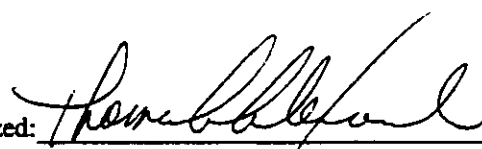
Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.099	2		
PCB-1221	<.099	2		
PCB-1232	<.099	2		
PCB-1242	<.099	2		
PCB-1248	<.099	2		
PCB-1254	.24	2		6
PCB-1260	<.099	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	88.%	2	59-143	38
Decachlorobiphenyl (surrogate)	78.%	2	50-145	38

Notes:

6: Altered aroclor.
38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0622
Samp. Description: B-8 (0-2')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 200 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 70.1
Analyzed: 09/23/97 Sample Size: 30 g

Number of analytes: 9


<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<4.8	2		
PCB-1221	<4.8	2		
PCB-1232	<4.8	2		
PCB-1242	<4.8	2		
PCB-1248	<4.8	2		
PCB-1254	31.	2		6
PCB-1260	<4.8	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

6: Altered aroclor.

38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0623
Samp. Description: B-8 (6-8')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 100 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/23/97

Matrix: Solid
QC Batch: 091997S2
%Solids: 86.9
Sample Size: 30 g

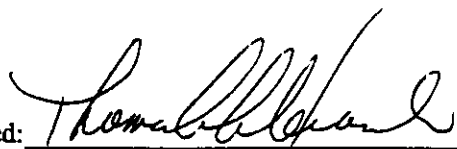
Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<1.9	2		
PCB-1221	<1.9	2		
PCB-1232	<1.9	2		
PCB-1242	<1.9	2		
PCB-1248	<1.9	2		
PCB-1254	7.2	2		6
PCB-1260	<1.9	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

6: Altered aroclor.
38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0624
Samp. Description: B-8 (8-10')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 10 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 86.0
Analyzed: 09/24/97 Sample Size: 30 g

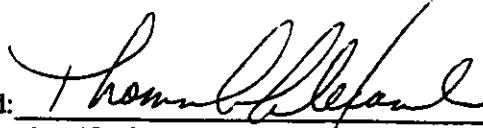
Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.19	2		
PCB-1221	<.19	2		
PCB-1232	<.19	2		
PCB-1242	<.19	2		
PCB-1248	<.19	2		
PCB-1254	1.1	2		6
PCB-1260	<.19	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	91.%	2	59-143	38
Decachlorobiphenyl (surrogate)	64.%	2	50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0625
Samp. Description: B-9 (0-2')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 5000 Instrument: HP5890-89

Collected: 09/17/97 Matrix: Solid
Received: 09/18/97 QC Batch: 091997S2
Prepared: 09/19/97 %Solids: 79.4
Analyzed: 09/24/97 Sample Size: 30 g

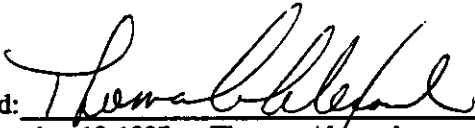
Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog</u> <u>Limits</u>	<u>Notes</u>
PCB-1016	<100.	2		
PCB-1221	<100.	2		
PCB-1232	<100.	2		
PCB-1242	<100.	2		
PCB-1248	<100.	2		
PCB-1254	750.	2		6
PCB-1260	<100.	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0626
Samp. Description: B-9 (2-4')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 5000 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/24/97

Matrix: Solid
QC Batch: 091997S2
%Solids: 75.2
Sample Size: 30 g


Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<110.	2		
PCB-1221	<110.	2		
PCB-1232	<110.	2		
PCB-1242	<110.	2		
PCB-1248	<110.	2		
PCB-1254	750.	2		6
PCB-1260	<110.	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0627
Samp. Description: B-9 (4-6')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 10000 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/25/97

Matrix: Solid
QC Batch: 091997S2
%Solids: 63.4
Sample Size: 30 g


Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<260.	2		
PCB-1221	<260.	2		
PCB-1232	<260.	2		
PCB-1242	<260.	2		
PCB-1248	<260.	2		
PCB-1254	1800.	2		
PCB-1260	<260.	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143 38	
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145 38	

Notes:

38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0628
Samp. Description: B-9 (6-8')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 2000 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/24/97

Matrix: Solid
QC Batch: 091997S2
%Solids: 87.2
Sample Size: 30 g


Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<38.	2		
PCB-1221	<38.	2		
PCB-1232	<38.	2		
PCB-1242	<38.	2		
PCB-1248	<38.	2		
PCB-1254	290.	2		6
PCB-1260	<38.	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: November 12, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G0629
Samp. Description: B-9 (8-10')
Primary column: Y
Units: mg/Kg Dry weight
Column: RTX-5 30M X .53mm ID
Dilution: 2000 Instrument: HP5890-89

Collected: 09/17/97
Received: 09/18/97
Prepared: 09/19/97
Analyzed: 09/24/97


Matrix: Solid
QC Batch: 091997S2
%Solids: 89.3
Sample Size: 30 g

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog</u> <u>Limits</u>	<u>Notes</u>
PCB-1016	<37.	2		
PCB-1221	<37.	2		
PCB-1232	<37.	2		
PCB-1242	<37.	2		
PCB-1248	<37.	2		
PCB-1254	160.	2		6
PCB-1260	<37.	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	0.0%	2	# 59-143	38
Decachlorobiphenyl (surrogate)	0.0%	2	# 50-145	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

Authorized: 
Date: November 12, 1997 Thomas Alexander

- Outside control limits J-Estimated value



Analytical Report

O'Brien & Gere Laboratories
5000 Brittonfield Parkway
PO Box 4942
Syracuse, NY 13221

Attention : Jaye Lubey

Date : 10/22/97
ETR Number : 66831
Project No.: 97000
No. Samples: 4
Arrived : 10/03/97
P.O. Number: 2290.046.517

Page 1

Case:97000 SDG:66831

Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020, Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater. All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
343584	G1635:09/30/97 (Solid)	
IN847	TOC by Lloyd Kahn	7350 f
IN623	Solids, Percent	50.5 c
343584MS	G1635MS:[MS]09/30/97 (Solid)	
IN847	TOC by Lloyd Kahn	110000 f
IN623	Solids, Percent	50.5 c
343584DP	G1635REP:[REP]09/30/97 (Solid)	
IN847	TOC by Lloyd Kahn	6000 f
IN623	Solids, Percent	55.5 c
343585	G1636:09/30/97 (Solid)	
IN847	TOC by Lloyd Kahn	13600 f
IN623	Solids, Percent	52.2 c

Comments/Notes

f = mg/Kg dry weight
c = %W/W as received

< Last Page >

Submitted By :

Aquatec Inc.

Analytical Report

 O'Brien & Gere Laboratories
 5000 Brittonfield Parkway
 PO Box 4942
 Syracuse, NY 13221

 Date : 01/28/97
 ETR Number : 63551
 Project No.: 97000
 No. Samples: 7
 Arrived : 01/17/97
 P.O. Number: 2290.046.517

Attention : Jaye Lubey

Page 1

Case:97000 SDG:63551

 Standard analyses were performed in accordance with Methods for Analysis of Water and Wastes, EPA-600/4/79-020,
 Test Methods for Evaluating Solid Waste, SW-846, or Standard Methods for the Examination of Water and Wastewater.
 All results are in mg/l unless otherwise noted.

Lab No./ Method No.	Sample Description/ Parameter	Result
324187	E0606:01/13/97 (Solid)	
	IN847 TOC by Lloyd Kahn	3180 f
	IN623 Solids, Percent	91.1 c
324188	E0607:01/13/97 (Solid)	
	IN847 TOC by Lloyd Kahn	22300 f
	IN623 Solids, Percent	94.5 c
324189	E0608:01/14/97 (Solid)	
	IN847 TOC by Lloyd Kahn	6570 f
	IN623 Solids, Percent	86.7 c
324190	E0609:01/14/97 (Solid)	
	IN847 TOC by Lloyd Kahn	713 f
	IN623 Solids, Percent	84.2 c
324191	E0610:01/14/97 (Solid)	
	IN847 TOC by Lloyd Kahn	19100 f
	IN623 Solids, Percent	86.3 c
324191MS	E0610MS:[MS]01/14/97 (Solid)	
	IN847 TOC by Lloyd Kahn	103000 f
	IN623 Solids, Percent	86.3 c

Comments/Notes

 f = mg/Kg dry weight
 c = %W/W as received

< Cont. Next Page >

2005

ORGANIC DATA REPORTING QUALIFIERS

For reporting results, the following EPA contract-specific qualifiers are used:

- U Indicates compound was analyzed for, but not detected. The sample quantitation limit must be corrected for dilution and for percent moisture.
- J Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicate the presence of a compound that meets the identification criteria but, the result is less than the sample quantitation limit but greater than zero. The sample quantitation limit must be adjusted for both dilution and percent moisture.
- B This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination and warns the data user to take appropriate action. This flag must be used for a TIC as well as for a positively identified TCL compound.
- E This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis. If one or more compounds have a response greater than full scale, the sample or extract must be diluted and re-analyzed.
- D This flag identifies all compounds identified in an analysis at a secondary dilution factor. If a sample or extract is re-analyzed at a higher dilution factor, as in the "E" flag above the "DL" suffix is appended to the sample number on the Form I for the diluted sample, and all concentration values reported on that Form I are flagged with the "D" flag.
- N Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- P This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns (see Form X). The lower of the two values is reported on Form I and flagged with a "P".
- A This flag indicates that a TIC is a suspected aldol-condensation product.

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7219
Samp. Description: MW-10
Primary column: Y
Units: ug/L
Column: DB-608 30m x .53mm ID
Dilution: 1 Instrument: HP5890-89


Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/15/96 Sample Size: 0.915 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.055	1		
PCB-1221	<.055	1		
PCB-1232	<.055	1		
PCB-1242	<.055	1		
PCB-1248	<.055	1		
PCB-1254	<.055	1		
PCB-1260	<.055	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	67.%	1	53-120	
Decachlorobiphenyl (surrogate)	39.%	1	46-114	

Notes:

J-Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7220
Samp. Description: MW-11R
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89


Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/14/96 Sample Size: 0.96 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.052	1		
PCB-1221	<.052	1		
PCB-1232	<.052	1		
PCB-1242	<.052	1		
PCB-1248	.39	1		
PCB-1254	<.052	1		
PCB-1260	<.052	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	58.%	1	53-120	
Decachlorobiphenyl (surrogate)	32.%	1	46-114	

Notes:

J-Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
 Project:
 Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
 Certification NY No.: 10155

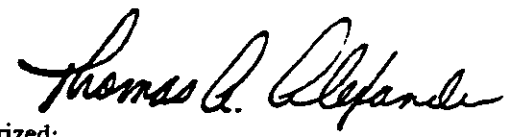
Sample: B7221
 Samp. Description: MW-17
 Primary column: Y
 Units: ug/L
 Column: DB-608 30M X .53mm ID
 Dilution: 1 Instrument: HP5890-89

Collected: 11/06/96 Matrix: Water
 Received: 11/06/96 QC Batch: 110796W2
 Prepared: 11/07/96 %Solids:
 Analyzed: 11/14/96 Sample Size: 1 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.050	1		
PCB-1221	<.050	1		
PCB-1232	<.050	1		
PCB-1242	<.050	1		
PCB-1248	.10	1		6
PCB-1254	<.050	1		
PCB-1260	<.050	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	40.%	1	53-120	
Decachlorobiphenyl (surrogate)	24.%	1	46-114	

Notes:
 6: Altered aroclor.



Authorized: _____
 Date: November 18, 1996 Thomas Alexander

J-Estimated value

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7222
Sample Description: MW-18
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/14/96 Sample Size: 0.915 L


Number of analytes: 9

Parameter	Result	Surrog		Notes
		Col	Limits	
PCB-1016	<.055	1		
PCB-1221	<.055	1		
PCB-1232	<.055	1		
PCB-1242	<.055	1		
PCB-1248	.078	1		6
PCB-1254	<.055	1		
PCB-1260	<.055	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	61.%	1	53-120	
Decachlorobiphenyl (surrogate)	34.%	1	46-114	

Notes:

: Altered aroclor.

Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7223
Samp. Description: MW-19
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

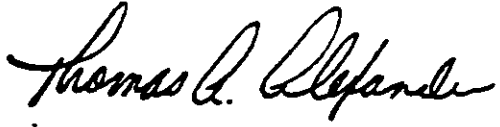
Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/14/96 Sample Size: 1 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.050	1		
PCB-1221	<.050	1		
PCB-1232	<.050	1		
PCB-1242	<.050	1		
PCB-1248	.26	1		
PCB-1254	<.050	1		
PCB-1260	<.050	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	56.%	1	53-120	
Decachlorobiphenyl (surrogate)	37.%	1	46-114	

Notes:

J-Estimated value


Authorized: _____
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

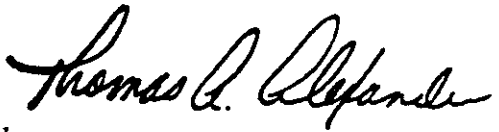
Sample: B7224
Samp. Description: Equipment Blank
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 11/06/96
Received: 11/06/96
Prepared: 11/07/96
Analyzed: 11/14/96
Matrix: Water
QC Batch: 110796W2
%Solids:
Sample Size: 0.935 L
Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.053	1		
PCB-1221	<.053	1		
PCB-1232	<.053	1		
PCB-1242	<.053	1		
PCB-1248	<.053	1		
PCB-1254	<.053	1		
PCB-1260	<.053	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	67.%	1	53-120	
Decachlorobiphenyl (surrogate)	35.%	1	46-114	

Notes:

J-Estimated value


Authorized: _____
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7225
Samp. Description: MW-10 (filtered)
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

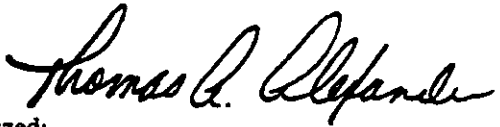
Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/14/96 Sample Size: 0.925 L

Number of analytes: 9

Parameter	Result	Surrog		Notes
		Col	Limits	
PCB-1016	<.054	1		
PCB-1221	<.054	1		
PCB-1232	<.054	1		
PCB-1242	<.054	1		
PCB-1248	<.054	1		
PCB-1254	<.054	1		
PCB-1260	<.054	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	69.%	1	53-120	
Decachlorobiphenyl (surrogate)	66.%	1	46-114	

Notes:

J-Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7226
Samp. Description: MW-11R (filtered)
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 11/06/96
Received: 11/06/96
Prepared: 11/07/96
Analyzed: 11/14/96

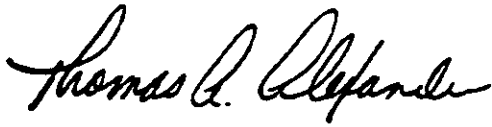
Matrix: Water
QC Batch: 110796W2
% Solids:
Sample Size: 0.98 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.051	1		
PCB-1221	<.051	1		
PCB-1232	<.051	1		
PCB-1242	<.051	1		
PCB-1248	<.051	1		
PCB-1254	<.051	1		
PCB-1260	<.051	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	69.%	1	53-120	
Decachlorobiphenyl (surrogate)	73.%	1	46-114	

Notes:

J-Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7227
Samp. Description: MW-17 (filtered)
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

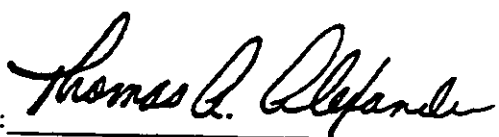
Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/14/96 Sample Size: 0.81 L

Number of analytes: 9

Parameter	Result	Surrog		Notes
		Col	Limits	
PCB-1016	<.062	1		
PCB-1221	<.062	1		
PCB-1232	<.062	1		
PCB-1242	<.062	1		
PCB-1248	<.062	1		
PCB-1254	<.062	1		
PCB-1260	<.062	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	68.%	1	53-120	
Decachlorobiphenyl (surrogate)	56.%	1	46-114	

Notes:

J-Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8080**

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7228
Samp. Description: MW-18 (filtered)
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

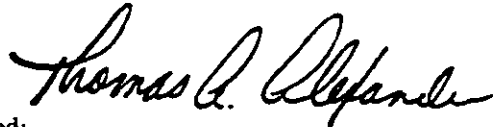
Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/14/96 Sample Size: 0.95 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.053	1		
PCB-1221	<.053	1		
PCB-1232	<.053	1		
PCB-1242	<.053	1		
PCB-1248	<.053	1		
PCB-1254	<.053	1		
PCB-1260	<.053	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	63.%	1	53-120	
Decachlorobiphenyl (surrogate)	72.%	1	46-114	

Notes:

J-Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: B7229
Samp. Description: MW-19 (filtered)
Primary column: Y
Units: ug/L
Column: DB-608 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89


Collected: 11/06/96 Matrix: Water
Received: 11/06/96 QC Batch: 110796W2
Prepared: 11/07/96 %Solids:
Analyzed: 11/14/96 Sample Size: 0.92 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.054	1		
PCB-1221	<.054	1		
PCB-1232	<.054	1		
PCB-1242	<.054	1		
PCB-1248	<.054	1		
PCB-1254	<.054	1		
PCB-1260	<.054	1		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	70.%	1	53-120	
Decachlorobiphenyl (surrogate)	82.%	1	46-114	

Notes:

J-Estimated value

Authorized: 
Date: November 18, 1996 Thomas Alexander

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

B7212

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: MW-10
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9569.D
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: not dec. _____ Date Analyzed: 11/08/96
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		4	JB
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	trans-1,2-Dichloroethene		10	U
540-59-0	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

B7212

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MW-10
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9569.D
Level: (low/med) LOW Date Received: 11/06/96
% Moisture: not dec. _____ Date Analyzed: 11/08/96
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

B7213

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: MW-11R
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9572.D
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: not dec. _____ Date Analyzed: 11/08/96
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		2	J
67-64-1	Acetone		3	JB
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	trans-1,2-Dichloroethene		10	U
540-59-0	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		1.0	J
56-23-5	Carbon tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

B7213

Lab Name: O'Brien & Gere Laboratories Contract: Special Met

Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: MW-11R

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9572.D

Level: (low/med) LOW Date Received: 11/06/96

% Moisture: not dec. _____ Date Analyzed: 11/08/96

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	29.21	6	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

B7214

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: MW-17
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9573.D
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: not dec. _____ Date Analyzed: 11/08/96
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		2	J
67-64-1	Acetone		4	JB
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		1.0	J
540-59-0	trans-1,2-Dichloroethene		10	U
540-59-0	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		4	J
56-23-5	Carbon tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

B7214

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MW-17
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9573.D
Level: (low/med) LOW Date Received: 11/06/96
% Moisture: not dec. _____ Date Analyzed: 11/08/96
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

B7215

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: MW-18
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9574.D
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: not dec. _____ Date Analyzed: 11/08/96
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		2	J
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	trans-1,2-Dichloroethene		10	U
540-59-0	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		3	J
56-23-5	Carbon tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		1	J
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

B7215

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: MW-18
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9574.D
Level: (low/med) LOW Date Received: 11/06/96
% Moisture: not dec. _____ Date Analyzed: 11/08/96
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

B7216

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: MW-19
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9575.D
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: not dec. _____ Date Analyzed: 11/08/96
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		2	J
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	trans-1,2-Dichloroethene		10	U
540-59-0	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

B7217

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
Matrix: (soil/water) WATER Lab Sample ID: Equipment Blan
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9576.D
Level: (low/med) LOW Date Received: 11/06/96
% Moisture: not dec. _____ Date Analyzed: 11/08/96
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

B7218

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____
 Matrix: (soil/water) WATER Lab Sample ID: QC TRIP BLAN
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9585.D
 Level: (low/med) LOW Date Received: 11/06/96
 % Moisture: not dec. _____ Date Analyzed: 11/11/96
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		2	J
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	trans-1,2-Dichloroethene		10	U
540-59-0	cis-1,2-Dichloroethene		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

B7218

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: _____

Matrix: (soil/water) WATER Lab Sample ID: QC TRIP BLAN

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: G9585.D

Level: (low/med) LOW Date Received: 11/06/96

% Moisture: not dec. _____ Date Analyzed: 11/11/96

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3148
Samp. Description: 11R
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

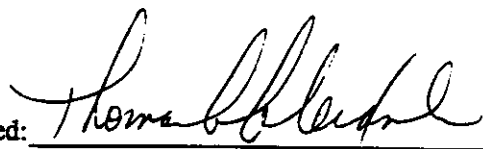
Collected: 02/20/97 Matrix: Water
Received: 02/20/97 QC Batch: 022497W1
Prepared: 02/24/97 %Solids:
Analyzed: 02/26/97 Sample Size: 1 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.1	2		
PCB-1221	<.1	2		
PCB-1232	<.1	2		
PCB-1242	<.1	2		
PCB-1248	<.1	2		
PCB-1254	<.1	2		
PCB-1260	<.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	66.%	2	48-134	
Decachlorobiphenyl (surrogate)	57.%	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3151
Samp. Description: 17
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

Collected: 02/20/97
Received: 02/20/97
Prepared: 02/24/97
Analyzed: 02/26/97


Matrix: Water
QC Batch: 022497W1
%Solids:
Sample Size: 1 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.1	2		
PCB-1221	<.1	2		
PCB-1232	<.1	2		
PCB-1242	<.1	2		
PCB-1248	<.1	2		
PCB-1254	<.1	2		
PCB-1260	<.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	58.%	2	48-134	
Decachlorobiphenyl (surrogate)	44.%	2	# 51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
 Project:
 Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
 Certification NY No.: 10155

Sample: E3152
 Samp. Description: 19
 Primary column: Y
 Units: ug/L
 Column: DB-1701 30m X 0.53mm ID
 Dilution: 1 Instrument: HP5890-P


Collected: 02/20/97 Matrix: Water
 Received: 02/20/97 QC Batch: 022497W1
 Prepared: 02/24/97 % Solids:
 Analyzed: 02/26/97 Sample Size: 1 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.1	2		
PCB-1221	<.1	2		
PCB-1232	<.1	2		
PCB-1242	<.1	2		
PCB-1248	<.1	2		
PCB-1254	<.1	2		
PCB-1260	<.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	68.*	2	48-134	
Decachlorobiphenyl (surrogate)	57.*	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
 Date: February 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N. Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3153
Samp. Description: Equipment Blank
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

Collected: 02/20/97
Received: 02/20/97
Prepared: 02/24/97
Analyzed: 02/26/97


Matrix: Water
QC Batch: 022497W1
% Solids:
Sample Size: .96 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.10	2		
PCB-1221	<.10	2		
PCB-1232	<.10	2		
PCB-1242	<.10	2		
PCB-1248	<.10	2		
PCB-1254	<.10	2		
PCB-1260	<.10	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	90.%	2	48-134	
Decachlorobiphenyl (surrogate)	68.%	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3154
Samp. Description: 11R (filtered)
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

Collected: 02/20/97 Matrix: Water
Received: 02/20/97 QC Batch: 022497W1
Prepared: 02/24/97 %Solids:
Analyzed: 02/26/97 Sample Size: .94 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.11	2		
PCB-1221	<.11	2		
PCB-1232	<.11	2		
PCB-1242	<.11	2		
PCB-1248	<.11	2		
PCB-1254	<.11	2		
PCB-1260	<.11	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	58.%	2	48-134	
Decachlorobiphenyl (surrogate)	72.%	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3155
Samp. Description: 18 (filtered)
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

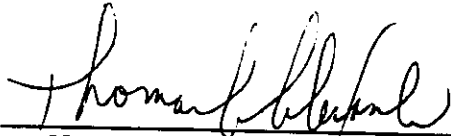
Collected: 02/20/97 Matrix: Water
Received: 02/20/97 QC Batch: 022497W1
Prepared: 02/24/97 % Solids:
Analyzed: 02/26/97 Sample Size: 1 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.1	2		
PCB-1221	<.1	2		
PCB-1232	<.1	2		
PCB-1242	<.1	2		
PCB-1248	<.1	2		
PCB-1254	<.1	2		
PCB-1260	<.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	70.%	2	48-134	
Decachlorobiphenyl (surrogate)	88.%	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3156
Samp. Description: 10 (filtered)
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

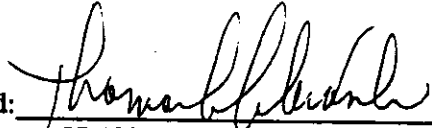
Collected: 02/20/97 Matrix: Water
Received: 02/20/97 QC Batch: 022497W1
Prepared: 02/24/97 %Solids:
Analyzed: 02/26/97 Sample Size: 1 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.1	2		
PCB-1221	<.1	2		
PCB-1232	<.1	2		
PCB-1242	<.1	2		
PCB-1248	<.1	2		
PCB-1254	<.1	2		
PCB-1260	<.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	72.%	2	48-134	
Decachlorobiphenyl (surrogate)	96.%	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

5000 Brittonfield Parkway / Suite 300, Box 4942 / Syracuse, NY 13221 / (315) 437-0200

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3157
Samp. Description: 17 (filtered)
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

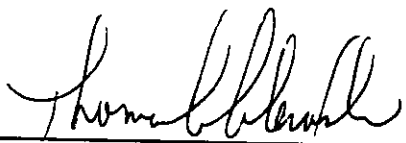
Collected: 02/20/97 Matrix: Water
Received: 02/20/97 QC Batch: 022497W1
Prepared: 02/24/97 %Solids:
Analyzed: 02/26/97 Sample Size: 1 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.1	2		
PCB-1221	<.1	2		
PCB-1232	<.1	2		
PCB-1242	<.1	2		
PCB-1248	<.1	2		
PCB-1254	<.1	2		
PCB-1260	<.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	58.8	2	48-134	
Decachlorobiphenyl (surrogate)	94.8	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080-ASP

Client: Special Metals Corporation
Project:
Proj. Desc: Ludlow, North Pit-Paris, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: E3158
Samp. Description: 19 (filtered)
Primary column: Y
Units: ug/L
Column: DB-1701 30m X 0.53mm ID
Dilution: 1 Instrument: HP5890-P

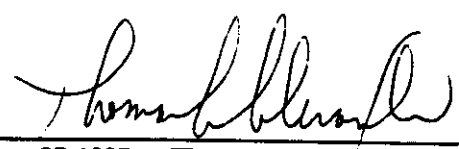
Collected: 02/20/97 Matrix: Water
Received: 02/20/97 QC Batch: 022497W1
Prepared: 02/24/97 %Solids:
Analyzed: 02/26/97 Sample Size: 1 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.1	2		
PCB-1221	<.1	2		
PCB-1232	<.1	2		
PCB-1242	<.1	2		
PCB-1248	<.1	2		
PCB-1254	<.1	2		
PCB-1260	<.1	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	53.%	2	48-134	
Decachlorobiphenyl (surrogate)	107.%	2	51-129	

Notes:

- Outside control limits J-Estimated value

Authorized: 
Date: February 27, 1997 Thomas Alexander

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

E3140

Lab Name: O'Brien & Gere Laboratories Contract: Special Met

Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853

Matrix: (soil/water) WATER Lab Sample ID: 11R

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7378.D

Level: (low/med) LOW Date Received: 02/20/97

% Moisture: not dec. _____ Date Analyzed: 02/21/97

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3140

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
Matrix: (soil/water) WATER Lab Sample ID: 11R
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7378.D
Level: (low/med) LOW Date Received: 02/20/97
% Moisture: not dec. _____ Date Analyzed: 02/21/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

E3141

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
 Matrix: (soil/water) WATER Lab Sample ID: 18
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7381.D
 Level: (low/med) LOW Date Received: 02/20/97
 % Moisture: not dec. _____ Date Analyzed: 02/21/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS:		Q
		(ug/L or ug/Kg)	UG/L	
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		2	J
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		1	J
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3141

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
Matrix: (soil/water) WATER Lab Sample ID: 18
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7381.D
Level: (low/med) LOW Date Received: 02/20/97
% Moisture: not dec. _____ Date Analyzed: 02/21/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

E3142

Lab Name: O'Brien & Gere Laboratories Contract: Special Met

Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853

Matrix: (soil/water) WATER Lab Sample ID: 10

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7382.D

Level: (low/med) LOW Date Received: 02/20/97

% Moisture: not dec. _____ Date Analyzed: 02/21/97

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		1	J
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3142

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
Matrix: (soil/water) WATER Lab Sample ID: 10
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7382.D
Level: (low/med) LOW Date Received: 02/20/97
% Moisture: not dec. _____ Date Analyzed: 02/21/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

E3143

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
 Matrix: (soil/water) WATER Lab Sample ID: 17
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7383.D
 Level: (low/med) LOW Date Received: 02/20/97
 % Moisture: not dec. _____ Date Analyzed: 02/21/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		2	J
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3143

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
Matrix: (soil/water) WATER Lab Sample ID: 17
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7383.D
Level: (low/med) LOW Date Received: 02/20/97
% Moisture: not dec. _____ Date Analyzed: 02/21/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

Lab Name: <u>O'Brien & Gere Laboratories</u>	Contract: <u>Special Met</u>	E3144
Lab Code: <u>OBG</u>	Case No.: <u>2290.046</u>	SAS No.: _____
		SDG No.: <u>2853</u>
Matrix: (soil/water) <u>WATER</u>		Lab Sample ID: <u>19</u>
Sample wt/vol: <u>5.0</u> (g/ml) <u>ML</u>		Lab File ID: <u>P7384.D</u>
Level: (low/med) <u>LOW</u>		Date Received: <u>02/20/97</u>
% Moisture: not dec. _____		Date Analyzed: <u>02/21/97</u>
GC Column: <u>DB-VRX</u> ID: <u>0.45</u> (mm)		Dilution Factor: <u>1.0</u>
Soil Extract Volume _____ (uL)		Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3144

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
 Matrix: (soil/water) WATER Lab Sample ID: 19
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7384.D
 Level: (low/med) LOW Date Received: 02/20/97
 % Moisture: not dec. _____ Date Analyzed: 02/21/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

E3145

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
 Matrix: (soil/water) WATER Lab Sample ID: Equipment Bla
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7385.D
 Level: (low/med) LOW Date Received: 02/20/97
 % Moisture: not dec. _____ Date Analyzed: 02/21/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3145

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
Matrix: (soil/water) WATER Lab Sample ID: Equipment Bla
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7385.D
Level: (low/med) LOW Date Received: 02/20/97
% Moisture: not dec. _____ Date Analyzed: 02/21/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L

Number TICs found: 0

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

E3146

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
 Matrix: (soil/water) WATER Lab Sample ID: QC Trip Blank
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7386.D
 Level: (low/med) LOW Date Received: 02/20/97
 % Moisture: not dec. _____ Date Analyzed: 02/21/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3146

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
 Matrix: (soil/water) WATER Lab Sample ID: QC Trip Blank
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7386.D
 Level: (low/med) LOW Date Received: 02/20/97
 % Moisture: not dec. _____ Date Analyzed: 02/21/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC Sample

E3147

Lab Name: O'Brien & Gere Laboratories Contract: Special Met
 Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853
 Matrix: (soil/water) WATER Lab Sample ID: Sample Blank
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7387.D
 Level: (low/med) LOW Date Received: 02/20/97
 % Moisture: not dec. _____ Date Analyzed: 02/21/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-35-3	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC Sample

E3147

Lab Name: O'Brien & Gere Laboratories Contract: Special Met

Lab Code: OBG Case No.: 2290.046 SAS No.: _____ SDG No.: 2853

Matrix: (soil/water) WATER Lab Sample ID: Sample Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: P7387.D

Level: (low/med) LOW Date Received: 02/20/97

% Moisture: not dec. _____ Date Analyzed: 02/21/97

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9625
Samp. Description: 18
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/10/97
Received: 06/11/97
Prepared: 06/12/97
Analyzed: 06/18/97

Matrix: Water
QC Batch: 061297W1
%Solids:
Sample Size: .98 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.10	2		
PCB-1221	<.10	2		
PCB-1232	<.10	2		
PCB-1242	<.10	2		
PCB-1248	<.10	2		
PCB-1254	<.10	2		
PCB-1260	<.10	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	76.*	2	52-124	
Decachlorobiphenyl (surrogate)	50.*	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 19, 1997
Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9626
Samp. Description: 18 (filtered)
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/10/97 Matrix: Water
Received: 06/11/97 QC Batch: 061297W1
Prepared: 06/12/97 %Solids:
Analyzed: 06/18/97 Sample Size: .905 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.11	2		
PCB-1221	<.11	2		
PCB-1232	<.11	2		
PCB-1242	<.11	2		
PCB-1248	<.11	2		
PCB-1254	<.11	2		
PCB-1260	<.11	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	87.%	2	52-124	
Decachlorobiphenyl (surrogate)	67.%	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 19, 1997
Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9627
Samp. Description: EB061097
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/10/97 Matrix: Water
Received: 06/11/97 QC Batch: 061297W1
Prepared: 06/12/97 %Solids:
Analyzed: 06/18/97 Sample Size: .91 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.11	2		
PCB-1221	<.11	2		
PCB-1232	<.11	2		
PCB-1242	<.11	2		
PCB-1248	<.11	2		
PCB-1254	<.11	2		
PCB-1260	<.11	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	92.†	2	52-124	
Decachlorobiphenyl (surrogate)	95.†	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 19, 1997 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9788
Samp. Description: 17
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/11/97 Matrix: Water
Received: 06/12/97 QC Batch: 061697W2
Prepared: 06/16/97 %Solids:
Analyzed: 06/19/97 Sample Size: .93 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.11	2		
PCB-1221	<.11	2		
PCB-1232	<.11	2		
PCB-1242	<.11	2		
PCB-1248	<.11	2		
PCB-1254	<.11	2		
PCB-1260	<.11	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	82.%	2	52-124	
Decachlorobiphenyl (surrogate)	51.%	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 24, 1997 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9789
Samp. Description: 10
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/11/97
Received: 06/12/97
Prepared: 06/16/97
Analyzed: 06/19/97

Matrix: Water
QC Batch: 061697W2
%Solids:
Sample Size: .96 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.10	2		
PCB-1221	<.10	2		
PCB-1232	<.10	2		
PCB-1242	<.10	2		
PCB-1248	<.10	2		
PCB-1254	<.10	2		
PCB-1260	<.10	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	92.%	2	52-124	
Decachlorobiphenyl (surrogate)	53.%	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 24, 1997 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9790
Samp. Description: 11R
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/11/97
Received: 06/12/97
Prepared: 06/16/97
Analyzed: 06/19/97

Matrix: Water
QC Batch: 061697W2
% Solids:
Sample Size: .99 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.10	2		
PCB-1221	<.10	2		
PCB-1232	<.10	2		
PCB-1242	<.10	2		
PCB-1248	<.10	2		
PCB-1254	<.10	2		
PCB-1260	<.10	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	71.%	2	52-124	
Decachlorobiphenyl (surrogate)	40.%	2	# 43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 24, 1997
Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9791
Samp. Description: 19
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/11/97 Matrix: Water
Received: 06/12/97 QC Batch: 061697W2
Prepared: 06/16/97 %Solids:
Analyzed: 06/19/97 Sample Size: .98 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.10	2		
PCB-1221	<.10	2		
PCB-1232	<.10	2		
PCB-1242	<.10	2		
PCB-1248	<.10	2		
PCB-1254	<.10	2		
PCB-1260	<.10	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	88.%	2	52-124	
Decachlorobiphenyl (surrogate)	51.%	2	43-111	

Notes:

- Outside control limits I-Estimated value

Authorized: Monika Santucci
Date: June 24, 1997 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9793
Samp. Description: 17. (filtered)
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/11/97
Received: 06/12/97
Prepared: 06/16/97
Analyzed: 06/19/97

Matrix: Water
QC Batch: 061697W2
%Solids:
Sample Size: .94 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.11	2		
PCB-1221	<.11	2		
PCB-1232	<.11	2		
PCB-1242	<.11	2		
PCB-1248	<.11	2		
PCB-1254	<.11	2		
PCB-1260	<.11	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	88.%	2	52-124	
Decachlorobiphenyl (surrogate)	59.%	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 24, 1997
Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9794
Samp. Description: 10 (filtered)
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/11/97
Received: 06/12/97
Prepared: 06/16/97
Analyzed: 06/19/97

Matrix: Water
QC Batch: 061697W2
%Solids:
Sample Size: .88 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.11	2		
PCB-1221	<.11	2		
PCB-1232	<.11	2		
PCB-1242	<.11	2		
PCB-1248	<.11	2		
PCB-1254	<.11	2		
PCB-1260	<.11	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	82.%	2	52-124	
Decachlorobiphenyl (surrogate)	56.%	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 24, 1997 Monika Santucci

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: O'Brien & Gere Operations
Project: Ludlow Sanitary Landfill
Proj. Desc:

Job No.: 3027.098.517
Certification NY No.: 10155

Sample: E9796
Samp. Description: 19 (filtered)
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 1 Instrument: HP5890-89

Collected: 06/11/97
Received: 06/12/97
Prepared: 06/16/97
Analyzed: 06/19/97

Matrix: Water
QC Batch: 061697W2
%Solids:
Sample Size: .975 L

Number of analytes: 9

<u>Parameter</u>	<u>Result</u>	<u>Col</u>	<u>Surrog Limits</u>	<u>Notes</u>
PCB-1016	<.10	2		
PCB-1221	<.10	2		
PCB-1232	<.10	2		
PCB-1242	<.10	2		
PCB-1248	<.10	2		
PCB-1254	<.10	2		
PCB-1260	<.10	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	93.%	2	52-124	
Decachlorobiphenyl (surrogate)	70.%	2	43-111	

Notes:

- Outside control limits J-Estimated value

Authorized: Monika Santucci
Date: June 24, 1997
Monika Santucci

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9625

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: 18
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0625.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/11/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		2	J
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		2	J
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9625

Lab Name: OBG Laboratories Contract: OBG Opera
Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
Matrix: (soil/water) WATER Lab Sample ID: 18
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0625.D
Level: (low/med) LOW Date Received: 06/11/97
% Moisture: not dec. _____ Date Analyzed: 06/11/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9627

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: EB061097
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0626.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. Date Analyzed: 06/11/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume (uL) Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9627

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: EB061097
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0626.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/11/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	3.23	2	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9628

Lab Name: OBG Laboratories Contract: OBG Opera

Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959

Matrix: (soil/water) WATER Lab Sample ID: QC Trip Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0624.D

Level: (low/med) LOW Date Received: 06/11/97

% Moisture: not dec. _____ Date Analyzed: 06/11/97

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		10	U
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9628

Lab Name: OBG Laboratories Contract: OBG Opera
Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
Matrix: (soil/water) WATER Lab Sample ID: QC Trip Blank
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0624.D
Level: (low/med) LOW Date Received: 06/11/97
% Moisture: not dec. _____ Date Analyzed: 06/11/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	3.21	2	J

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9788

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: 17
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0637.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/12/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		2	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		3	J
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9788

Lab Name: OBG Laboratories Contract: OBG Opera
Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
Matrix: (soil/water) WATER Lab Sample ID: 17
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0637.D
Level: (low/med) LOW Date Received: 06/11/97
% Moisture: not dec. _____ Date Analyzed: 06/12/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9789

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: 10
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0633.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/12/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		2	J
67-64-1	Acetone		3	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9789

Lab Name: OBG Laboratories Contract: OBG Opera
Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
Matrix: (soil/water) WATER Lab Sample ID: 10
Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0633.D
Level: (low/med) LOW Date Received: 06/11/97
% Moisture: not dec. _____ Date Analyzed: 06/12/97
GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
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1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9790

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: 11R
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0634.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/12/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		7	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		8	J
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9790

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: 11R
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0634.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/12/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9791

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: 19
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0639.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/12/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	UG/L	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9791

Lab Name: OBG Laboratories Contract: OBG Opera

Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959

Matrix: (soil/water) WATER Lab Sample ID: 19

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0639.D

Level: (low/med) LOW Date Received: 06/11/97

% Moisture: not dec. _____ Date Analyzed: 06/12/97

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 0 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE

E9792

Lab Name: OBG Laboratories Contract: OBG Opera
 Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959
 Matrix: (soil/water) WATER Lab Sample ID: QC Trip Blank
 Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0638.D
 Level: (low/med) LOW Date Received: 06/11/97
 % Moisture: not dec. _____ Date Analyzed: 06/12/97
 GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0
 Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	<u>UG/L</u>	Q
74-87-3	Chloromethane		10	U
74-83-9	Bromomethane		10	U
75-01-4	Vinyl Chloride		10	U
75-00-3	Chloroethane		10	U
75-09-2	Methylene Chloride		10	U
67-64-1	Acetone		1	J
75-15-0	Carbon Disulfide		10	U
75-35-4	1,1-Dichloroethene		10	U
75-34-4	1,1-Dichloroethane		10	U
540-59-0	1,2-Dichloroethene (total)		10	U
67-66-3	Chloroform		10	U
107-06-2	1,2-Dichloroethane		10	U
78-93-3	2-Butanone		10	U
71-55-6	1,1,1-Trichloroethane		10	U
56-23-5	Carbon Tetrachloride		10	U
75-27-4	Bromodichloromethane		10	U
78-87-5	1,2-Dichloropropane		10	U
10061-01-5	cis-1,3-Dichloropropene		10	U
79-01-6	Trichloroethene		10	U
71-43-2	Benzene		10	U
124-48-1	Dibromochloromethane		10	U
10061-02-6	trans-1,3-Dichloropropene		10	U
79-00-5	1,1,2-Trichloroethane		10	U
75-25-2	Bromoform		10	U
108-10-1	4-Methyl-2-Pentanone		10	U
591-78-6	2-Hexanone		10	U
127-18-4	Tetrachloroethene		10	U
79-34-5	1,1,2,2-Tetrachloroethane		10	U
108-88-3	Toluene		10	U
108-90-7	Chlorobenzene		10	U
100-41-4	Ethylbenzene		10	U
100-42-5	Styrene		10	U
1330-20-7	Xylene (total)		10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE

E9792

Lab Name: OBG Laboratories Contract: OBG Opera

Lab Code: OBG Case No.: 3027.98.5 SAS No.: _____ SDG No.: 3959

Matrix: (soil/water) WATER Lab Sample ID: QC Trip Blank

Sample wt/vol: 5.0 (g/ml) ML Lab File ID: H0638.D

Level: (low/med) LOW Date Received: 06/11/97

% Moisture: not dec. _____ Date Analyzed: 06/12/97

GC Column: DB-VRX ID: 0.45 (mm) Dilution Factor: 1.0

Soil Extract Volume _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:

Number TICs found: 1 (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	RT	EST. CONC.	Q
1.	unknown	3.23	2	J

O'Brien & Gere Laboratories, Inc.

Analytical Results Method: 8080

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G1637
Samp. Description: Gravel Pit Pond Shallow Surface
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 5 Instrument: HP5890-89


Collected: 09/30/97 Matrix: Water
Received: 09/30/97 QC Batch: 100297W2
Prepared: 10/02/97 %Solids:
Analyzed: 10/13/97 Sample Size: .975 L

Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.51	2		
PCB-1221	<.51	2		
PCB-1232	<.51	2		
PCB-1242	1.5	2		6
PCB-1248	<.51	2		
PCB-1254	2.0	2		
PCB-1260	<.51	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	117.†	2	52-124	38
Decachlorobiphenyl (surrogate)	90.†	2	43-111	38

Notes:
6: Altered aroclor.
38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: October 14, 1997 Thomas Alexander

**O'Brien & Gere
Laboratories, Inc.**

**Analytical Results
Method: 8080**

Client: Special Metals Corporation
Project: Ludlow Sand & Gravel
Proj. Desc: Clayville, N.Y.

Job No.: 2290.046.517
Certification NY No.: 10155

Sample: G1638
Samp. Description: Gravel Pit Pond Deep Surface
Primary column: Y
Units: ug/L
Column: RTX-5 30M X .53mm ID
Dilution: 5 Instrument: HP5890-89

Collected: 09/30/97 Matrix: Water
Received: 09/30/97 QC Batch: 100297W2
Prepared: 10/02/97 %Solids:
Analyzed: 10/13/97 Sample Size: .97 L

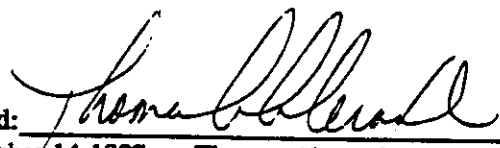
Number of analytes: 9

Parameter	Result	Col	Surrog Limits	Notes
PCB-1016	<.52	2		
PCB-1221	<.52	2		
PCB-1232	<.52	2		
PCB-1242	.99	2		6
PCB-1248	<.52	2		
PCB-1254	1.5	2		
PCB-1260	<.52	2		
2,4,5,6-Tetrachloro-m-Xylene (surrogate)	110.†	2	52-124	38
Decachlorobiphenyl (surrogate)	74.†	2	43-111	38

Notes:

- 6: Altered aroclor.
- 38: Surrogate was diluted

- Outside control limits J-Estimated value

Authorized: 
Date: October 14, 1997 Thomas Alexander

