REMEDIAL INVESTIGATION/FEASIBILITY STUDY REPORT

LARUSSELL'S CLEANERS SITE
LAKE CARMEL
PUTNAM COUNTY, NEW YORK

(SITE REGISTRY NO. 3-40-020)

PREPARED FOR

NEW YORK STATE DEPARTMENT OF
ENVIRONMENTAL CONSERVATION

BY

DVIRKA AND BARTILUCCI
CONSULTING ENGINEERS
SYRACUSE, NEW YORK

SEPTEMBER 1998

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
REPORT

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APPENDIX A

SURVEY DATA

LaRussell's Cleaners Site
Lake Carmel. N.Y.
Well Elevations

WELL I.D.	GROUND ELEV.	TOP CASING ELEV.	TOP PVC ELEV.
MW 1D	658.57	658.57 (FM)	658.24
MW 1S	658.57	658.57 (FM)	658.34
MW 2D	650.95	650.93 (FM)	650.67
MW 2S	650.54	650.58 (FM)	650.35
MW 3D	653.65	655.59	655.42
MW 3S	653.40	655.61	655.38
MW 4D	632.28	634.52	634.32
MW 4S	631.65	634.03	633.77
MW 5S	659.96	662.22	662.06
MW 6	653.80	653.80 (FM)	653.25

FM= Flush Mount

Elevations from N.Y.S.D.O.T. Benchmark.
Datum:
Date of Survey: November 20, 1996

LaRussell's Cleaners Site
Lake Carmel. N.Y.
Well Elevations

WELL I.D.	GROUND ELEV.	TOP CASING ELEV.	TOP PVC ELEV.
MW 7D	644.22	646.74	646.54
MW 7S	643.88	646.97	646.78
MW 8D	640.66	640.66 (FM)	640.30
MW 8S	640.62	640.62 (FM)	640.29
MW 9D	640.87	643.57	643.38
MW 9S	640.49	643.89	643.68
OLD WELL	654.32 @ MACADAM	653.93 (TOP RUBBER COUPLING)	

FM= Flush Mount

Elevations from N.Y.S.D.O.T. Benchmark.
Datum: NAVD 1988
Date of Survey: March 26, 1997

Post-it® Fax Note 7671	Date 4/22	# of pages ▶ 7
To Berry	From Maria	
Co./Dept.	Co.	
Phone #	Phone #	
Fax #	Fax #	

LaRUSSELL'S CLEANERS, LAKE CARMEL, N.Y. WELL COORDINATES

List-Coords/Brg-Azi 96041 11/30/96 13:54:31 Factor: 1.0000000

Pt.No.	Code	North	East	Elevation	Desc.
100		953830.3388	719043.0825	659.960	MW 5S
101		953560.8516	718912.8266	653.400	MW 3S
102		953559.4735	718917.8958	653.650	MW 3D
103		953655.4776	718998.3189	658.570	MW 1S
104		953657.2728	719002.6319	658.570	MW 1D
105		953474.8687	718984.0101	653.800	MW 6
106		953340.5283	718944.6098	650.540	MW 2S
107		953337.1270	718950.0631	650.950	MW 2D
108		953633.7721	719016.3969	658.800	MH 1
109		953613.5579	719010.8107	658.160	MH 2
110		953593.1856	719017.8344	658.310	MH 3
111		953582.4824	719031.8162	658.140	MH 4
112		953576.7820	719031.3237	657.980	DIST BOX
113		953569.8796	719000.4110	656.330	MH 6
114		953562.3844	718998.8003	656.180	MH 7
115		953551.0583	718991.0623	655.700	BLDG COR
116		953542.3638	718984.8357	655.390	BLDG COR
117		953499.7660	718974.4008	654.770	BLDG COR
118		953590.2712	718986.4104	656.400	BL 100N/0E
119		953541.7705	718974.3748	654.990	BL 50N/0E
120		953492.5316	718962.2081	653.800	BL 0N/0E
121		953007.1657	718783.4981	632.280	MW 4D
122		953002.7008	718781.0486	631.650	MW 4S

DATUM: N.Y.S.P.C.S. EAST ZONE, NAD 1983
from N.Y.S.D.O.T.
DATE OF SURVEY: NOVEMBER 20, 1996

LaRUSSELL'S CLEANERS, LAKE CARMEL, N.Y. WELL COORDINATES

Pt.No.	Code	North	East	Elevation	Desc.
123		953543.8601	718706.6721	644.220	MW-7D ✓
124		953537.7425	718702.7047	643.880	MW-7S ✓
125		953544.7490	718739.7014		CL CBFI ✓
126		953467.0949	718792.7596	642.038	ROCK OUTCROP ✓
127		953417.6980	718692.1888	640.870	MW-9D ✓
128		953415.4391	718698.4791	640.490	MW-9S ✓
129		953365.3239	718797.7998	640.660	MW-8D ✓
130		953363.8324	718805.8553	640.620	MW-8S ✓
131		953092.2132	718793.4097	638.890	DILLS WELL ✓
132		953298.1202	718914.3123	647.580	CL CBFI ✓
133		953495.1119	718968.3547	654.320	OLD WELL ✓
134		953501.2548	718969.3917	654.360	EXISTING WELL ✓
135		953577.7388	718775.6668	643.643	SWS

DATUM: N.Y.S.P.C.S. EAST ZONE, NAD 1983
from N.Y.S.D.O.T.
DATE OF SURVEY: MARCH 26, 1997

WELL ELEVATION TABLE (in feet)			
WELL I.D. NO.	GROUND ELEVATION	TOP CASING ELEVATION	TOP PVC ELEVATION
MW-1D	658.57	658.57(FM)	658.24
MW-1S	658.57	658.57(FM)	658.34
MW-2D	650.95	650.93(FM)	650.67
MW-2S	650.54	650.58(FM)	650.35
MW-3D	653.65	655.59	655.42
MW-3S	653.40	655.61	655.38
MW-4D	632.28	634.52	634.32
MW-4S	631.65	634.03	633.77
MW-5S	659.96	662.22	662.06
MW-6	653.80	653.80(FM)	653.25

FM = FLUSH MOUNT

LEGEND

- CONTOUR LINE (2-FOOT INTERVAL)
- MH1 MANHOLE
- MW-6 MONITORING WELL (D-DEEP, S-SHALLOW)
- 707.4 SPOT ELEVATION

NOTES

1) WELL LOCATIONS SURVEYED 11/20/96
2) DATUM: N.Y.S.P.C.S. EAST ZONE, NAD 1983 FROM NYSDOT

RECEIVED
AUG 07 1998
NYS DEC
REGION 3 NEW PALTZ

SCALE
100 50 0 100 FT.

REVISIONS	YEC, INC. VALLEY COTTAGE NEW YORK
	LaRUSSELL'S CLEANERS TOWN OF LAKE CARMEL PUTNAM COUNTY, NEW YORK

DATE:	SCALE:	DRAWN BY:	CHECKED BY:	JOB NO.
FEB. 1997	1" = 100'	MBW	DRS	A0117

APPENDIX B

SOIL BORING LOGS AND MONITORING WELL LOGS

Driller: Parratt-Wolff - Doug Richmond
Inspector: G. Gould - D&B
Rig Type: IR-200
Drilling Method: Direct Push - Spoons

Dvirka and Bartilucci Boring Log

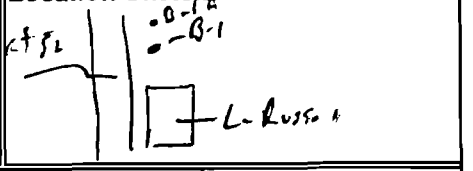
Project Name: La Russell's Cleaners
Project #: 1397
Boring Depth: 3.9

Boring ID : B-1
Sheet 1 of 1
Location:

Groundwater Observations			
Date	10/9/96		
Time	15:00		
DTW	—		
Casing/Total Depth	3.91		

Start (Date & Time): 10/9/96 14:51
Finish (Date & Time): 10/9/96 15:11
Weather: Sunny, light gusts OF NW 65°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	DP	0.0	dry brown f-m sand, little silt tr gravel	backfilled with cuttings	sample LC-SB-1-SS-1 15:04 TCL+10 TCL
Rec:	1.5'					
2-4	SS-2	DP	0.0	dry brown f-m sand, white gravel (bedrock)		sample LC-SB-1-SS-2 15:09 TCL+10 only
Rec:	1.0					
4-6	SS-3			Bottom of Boring 3.9'		
Rec:						
6-8	SS-4					
Rec:						
8-10	SS-5					
Rec:						
10-12	SS-6					
Rec:						
12-14	SS-7					
Rec:						
14-16	SS-8					
Rec:						

Soil Stratigraphy Summary

Driller: Parratt.Wolff . Dan Richman
Inspector: G Gould D&B
Rig Type: IR 200
Drilling Method: Direct Push Sprout

Dvirka and Bartilucci Boring Log

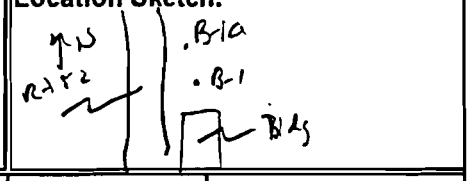
Project Name: La Russell's Cleaners
Project #: 1397
Boring Depth: 9.8'

Boring ID : B-1a
Sheet 1 of 1
Location:

Groundwater Observations			
Date	10/9/96		
Time	15:55		
DTW	—		
Casing/Total Depth	9.8'		

Start (Date & Time): 10/9/96 15:25
Finish (Date & Time): 10/9/96 15:55
Weather: Sunny, 65° F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				no samples to 4.0'	backfilled with cuttings & bentonite	
4-6	SS-3	OP	0.0	dry-moist brown f-m sand, little silt, tr black gravel (septic odor)		LC-SB-1A-SS-3 15:34 TCL+TO Septic odor
Rec:	0.3'					
6-8	SS-4	DP	0.0	wet black f-m sand, tr gravel (septic odor)		LC-SB1A-SS-4' 15:38 TCL+TO only
Rec:	0.3'					
8-9.8	SS-5	DP	0.0	wet black and gray silt and f-m sand, tr. gravel (septic odor)		LC-SB-1A-SS-5 15:43 TCL+TO TOC
Rec:	1.2'					
				Bottom of boring 9.8'		

Soil Stratigraphy Summary

Driller: Parratt-Wolff : Doug Richmond
Inspector: G. Gould - D&B
Rig Type: IRA-200
Drilling Method: Direct Push

Dvirka and Bartilucci Boring Log

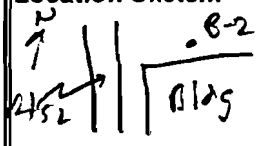
Project Name: LaRussell's Cleaners
Project #: 1397
Boring Depth: 60

Boring ID : B-2
Sheet 1 of 1
Location:

Groundwater Observations			
Date	10/9/96		
Time	17:00		
DTW	4.5'		
Casing/Total Depth	6.0'		

Start (Date & Time): 10/9/96 16:14
Finish (Date & Time): 10/9/96 17:15
Weather: Sunny 60°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	DP	0.0	0 blacktop, dry-moist brown f. sand and silt, tr. gravel	backfill and cuttings	LC-SB-2-SS-1 14:25 TCL+TO TCL
Rec:	1.5'					
2-4	SS-2	DP	0.0	moist white/buff f-m sand, angular		LC-SB-2-SS-2 14:33 TCL+TO no TOC
Rec:	0.8					
4-6	SS-3	DP	0.0	wet brown f-c sand, little silt, 5 trace angular gravel compact - (fill)		LC-SB-2-SS-3 14:41 TCL+TO TOC
Rec:	2.0					
6-8	SS-4			bottom of boring 6.0'		LC-SB-2-GW 16:57 TCL+TO
Rec:						
8-10	SS-5					
Rec:						
10-12	SS-6			10		
Rec:						
12-14	SS-7					
Rec:						
14-16	SS-8					
Rec:				15		
				20		

Soil Stratigraphy Summary

Driller: Parratt-Wolff Dave, Richmond
Inspector: G. Gould - D+B
Rig Type: IL200
Drilling Method: Direct Push

Dvirka and Bartilucci Boring Log

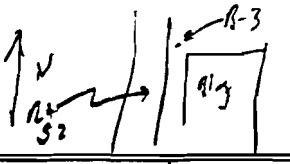
Project Name: LaRosse II's Cleaners
Project #: 1397
Boring Depth: 11.5

Boring ID : B-3
Sheet 1 of 1
Location:

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/10/96 7:40
Finish (Date & Time): 10/10/96 8:25
Weather: overcast - rain
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	DP	7.6	0 moist brown silt & f. sand		LC-SB-3-SS-1 7:48 TCL+TO TOC
Rec:	1.0					
2-4	SS-2	DP	48	moist light brown f. sand and silt, tr organic matter - roots		7:53 LC-SB-3-SS-2 TCL+TO TOC
Rec =	1.0					
4-6	SS-3	DP	3.9	moist light brown silt and f. sand, tr. gravel		7:55 LC-SB-3-SS-3 TCL+TO TOC
Rec =	2.0			5		
6-8	SS-4	DP	0.0	moist light brown silt & f sand little gravel		8:05 LC-SB-3-SS-4 TCL+TO TOC
Rec:	2.0					
8-10	SS-5	DP	0.0	moist-wet brown f-m sand, tr silt, tr f-m subangular gravel (fill)		8:14 LC-SB-3-SS-5 TOC TCL+TO
Rec =	2.0					
10-12	SS-6	DP	0.0	10 moist brown f-c sand, little subangular gravel (fill)		8:21 LC-SB-3-SS-6 TOC TCL+TO
Rec =	1.0			(Spoon refusal)		
12-14	SS-7			bottom of boring 11.5'		LC-SB-3-GW 8:41 TCL+TO 9:34
Rec =						
14-16	SS-8			15		
Rec =						
				20		

Soil Stratigraphy Summary

file d&blog xls revised 8/26/96 by GG

Driller: Perry H. Wolff - Doug Richmond
Inspector: G. Gould - DEB
Rig Type: IR200
Drilling Method: Direct Rich Spoons

Dvirka and Bartilucci Boring Log

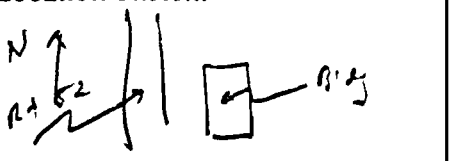
Project Name: Le Russell's Cleaners
Project #: 1397
Boring Depth: 9.0'

Boring ID : B-4
Sheet 1 of 1
Location:

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/10/96 8:50
Finish (Date & Time): 10/10/96 9:30
Weather: cloudy, drizzle, 50°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	DP	0.0	0 dry, moist brown-gray f-m sand, little silt, tr. gravel		LC-SB-4-SS-1 8:58 TCL+10 TOC
Rec:	1.0					
2-4	SS-2	DP	0.0	moist brown silt, little f. sand, tr. gravel		LC-SB-4-SS-2 9:04 TCL+10 TOC
Rec:	0.4					
4-6	SS-3	DP	0.0	moist-wet brown silt, little f. sand		LC-SB-4-SS-3 9:10 MS/MSD TCL+10 TOC
Rec:	1.7			5 tr. gravel		
6-8	SS-4	DP	0.0	moist f-m sand, tr. gravel little silt, weathered gravel (till)		LC-SB-4-SS-4 9:18 TCL+10 TOC - MS/MSD
Rec:	1.5					
8-10	SS-5	DP		wet f-m sand, tr. gravel, tr. silt (till)		9:24 LC-SB-4-SS-5 TCL+10 TOC
Rec:	0.5			10 spoon refusal bottom of boring 9'		
10-12	SS-6					LC-SB-4-GW 9:45 TCL+10
Rec:						
12-14	SS-7					
				15		

Soil Stratigraphy Summary

Driller: Parratt-Wolff - Dave Richmond
Inspector: G Gould - D&B
Rig Type: IR 700
Drilling Method: Direct Push - Sprung

Dvirka and Bartilucci Boring Log

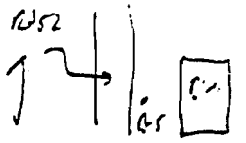
Project Name: La Russell's Cleaners
Project #: 1397
Boring Depth: _____

Boring ID : B-5
Sheet 1 of 1
Location: _____

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/10/96 10:30
Finish (Date & Time): 10/10/96 11:01
Weather: cloudy, rain 58°F
Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	DP	0.0	0 moist soft brown silt & f. sand, tr. gravel		LL-SB-5-SS1 10:36 TLL+10 TOC
Rec:	1.2					
2-4	SS-2	DP	0.0	moist soft brown silt & f. sand, tr. gravel, tr clay		LL-SB-5-SS-2 10:40 TLL+10 TOC
Rec:	0.5					
4-6	SS-3	DP	0.0			LL-SB-5-SS-3 10:45 TLL+10 TOC
Rec:	2.0			5		
				moist - dry compact f-m sand, little gravel, little silt		
6-8	SS-4	DP	0.0	coarse gravel, 6.3		no sample
Rec:	0.1			, spoon refusal bottom of boring		no GW - Sample attempted
8-10	SS-5					
Rec=						
				10		
10-12	SS-6					
Rec=						
12-14	SS-7					
				15		
				20		

Soil Stratigraphy Summary _____

Driller: Parratt-Wolff
Inspector: G. Gould - DEB
Rig Type: IR 200
Drilling Method: Direct Push - Spoons

Dvirka and Bartilucci Boring Log

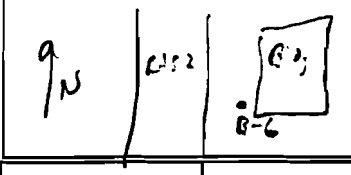
Project Name: LaRussell's Cleaners
Project #: 1397
Boring Depth: 8.3

Boring ID : B-6
Sheet 1 of 1
Location:

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/10/96 9:30
Finish (Date & Time): 10/10/96 10:25
Weather: cloudy, no wind
58° F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	DP	0.0	0 C. gravel, gray (spoon pushed gravel)		no sample
Rec =	0.1	↓				
2-4	SS-2	DP	0.0	moist black and brown f. sand to. gravel		LC-SB-6-SS-2 10:04 TCL+10 TOL
Rec =	1.0					
4-6	SS-3	DP	0.0	-5-		LC-SB-6-SS-3 10:11 TCL+10 TOL
Rec =	2.0	↓		moist brown, with orange mottling silt, little f-m gravel, to. clay		
6-8	SS-4	DP	0.0	moist gray, orange, brown mottled silt, little f-m gravel, to. clay (fill)		LC-SB-6-SS-4 10:18 TCL+10 TOL
Rec =	2.0	↓				
8-10	SS-5	DP	0.0	8.3' spoon refusal Bottom of boring		no sample
Rec =	0.0					
						LC-SB-6-GW 11:00
10-12	SS-6					

Soil Stratigraphy Summary

Driller: Parratt Wolff - Doug Richmond
Inspector: G. Gould DEB
Rig Type: Slam bar
Drilling Method: Spoons

Dvirka and Bartilucci Boring Log

Project Name: LaRussell's cleaners
Project #: 1397
Boring Depth: 2.0'

Boring ID : B-7
Sheet 1 of 1
Location:

Groundwater Observations			
Date	10/9/96		
Time	1815		
DTW	none		
Casing/Total Depth	2.0		

Start (Date & Time): 10/9/96 17:30
Finish (Date & Time): 10/9/96 18:20
Weather: Sunny - 60°F
Elevation of Ground Surface:

Location Sketch:

Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-1	SS-1		0.0	0 concrete 4"		core concrete
Rec:	0.8'		0.0	plastic vapor barrier → moist brown fine sand		LL-SB-7-SS-1
1-1½	SS-2		00			18:59 TCL+10 TOC
	0.2'					
1½-2.0	SS-3			bottom of boring 2.0'		
Rec=	0.2'					
				5		
				10		
				15		
				20		

Soil Stratigraphy Summary

Driller: [illegible] FW

Inspector: G. Gould

Rig Type: Portable Trailer

Drilling Method: 2¼" Split Spoon

Dvirka and Bartilucci Boring Log

Project Name: LaRussell's cleaners

Project #: 1397

Boring Depth: _____

Boring ID : B-8

Sheet 1 of 1

Location: _____

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

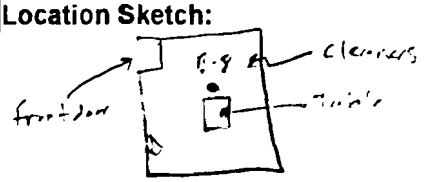
Start (Date & Time): 11/9/96 10:30

Finish (Date & Time): 11/9/96 12:40

Weather: sunny

Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows	f.t.	Field Description	Well Schematic	Comments
0-2	SS-1	##	0.4	Concrete		LC-SB-8-SS1 10:39 TCL+TO TOC MS/MSD
Rec:	1.0			moist brown-gray f-m sand, little f-c gravel		
				wet at bottom		
0-1	SS-2			spoon refusal 2.0'		
Rec:						

spoon driven with 8lb. sledge hammer

Soil Stratigraphy Summary _____

Driller: Parratt-Wolff - Ron Bush
Inspector: G. Gould - D&B
Rig Type: Electric core drill & tower
Drilling Method: 3 Spoons 140 lb hammer

Dvirka and Bartilucci Boring Log

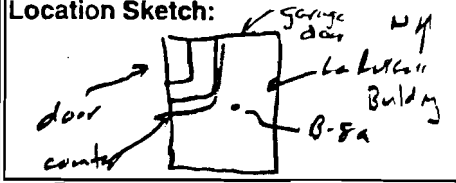
Project Name: LaRussell
Project #: 1797
Boring Depth: 2.0

Boring ID : B-8a
Sheet 1 of 1
Location: inside LaRussell's

Groundwater Observations			
Date	3/5/97		
Time	4:45 pm		
DTW	none		
Casing/Total Depth	2.0'		

Start (Date & Time): 3/5/97 3:15 pm
Finish (Date & Time): 3/5/97 4:45 pm
Weather: indoors - n/a.
Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
0-2	SS 1	—		0 moist brown/gray gravel and sand, some white sand	cuttings / concrete	sample taken at 4:34 pm B-8a-1
Rec:	1.0'	—				
		9				
		65		spoon refusal		
				bottom of boring 2.0'		
				5 refusal of starbit driven with 140 lb. hammer - white powder residue on bit		hammer and tools are bouncing slightly
						This boring done at same location as B-8 in November 1996
				10		
				15		

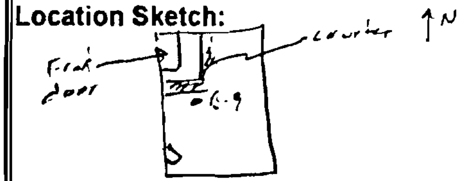
Soil Stratigraphy Summary _____

Driller: [illegible]	**Dvirka and Bartilucci Boring Log**	**Boring ID:** B-9
Inspector: [illegible]	Project Name: La Russell's Cleaners	Sheet 1 of 1
Rig Type: Portable Tower	Project #: 1397	Location: behind counter
Drilling Method: [illegible] spoons	Boring Depth:	

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 11/9/96 10:45
Finish (Date & Time): 11/9/96 11:10
Weather: [illegible]
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	[illegible]	0 4	Concrete		
Rec:	1.0			moist brown f-m sand, tr. silt, tr. gravel		LC-SB-9-SS-1 11:01 VOC [illegible]
2-4	SS-2			Spoon refusal 1.9'		
Rec:						** spoon driven with 8 lb sledge hammer

Soil Stratigraphy Summary ______

file d&blog xls revised 8/26/96 by GG

Dvirka and Bartilucci Boring Log

Driller: Lou Richmond - SO	Project Name: La Russell's cleaners	Boring ID : B-10
Inspector: G. Gould. T&B	Project #: 1397 - 2A	Sheet 1 of 1
Rig Type: Portable Tower	Boring Depth:	Location: near back door
Drilling Method: Split spoon		

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

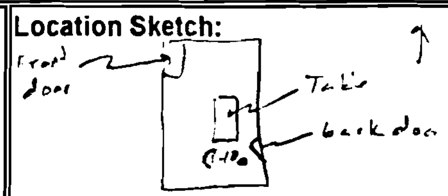
Start (Date & Time): 11/9/96 10:15

Finish (Date & Time): 11/9/96 10:30

Weather: indoors

Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows*	PID	Field Description	Well Schematic	Comments
0-2	SS-1	13	0.7	concrete		LC-SB-10-SS-1 MS/MSD 10:27
Rec:	1.0	10		f-m sand, little f-c gravel & cobbles		
		50/.3				
2-4	SS-2			Spoon refusal at 6.5'		
Rec						
						* spoon driven with 8lb sledgehammer

Soil Stratigraphy Summary

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Driller: [illegible]

Inspector: [illegible]

Rig Type: sledge hammer

Drilling Method: [illegible]

Dvirka and Bartilucci Boring Log

Project Name: LaRussell's Cleaners

Project #: 1397

Boring Depth: _____

Boring ID : B-11

Sheet 1 of 1

Location: rear side door

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

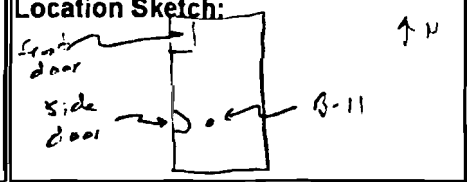
Start (Date & Time): 11/5/96 9:15

Finish (Date & Time): 11/5/96 9:40

Weather: indoors

Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows/6"	PID	Field Description	Well Schematic	Comments
0-2	SS-1	7	0.8	concrete		LC-SB-11-SS-1 collected by hand from this at 9:27
Rec:	0	20		moist sand & cobbles - voids		
		50				
				Spoon refusal at 1.4'		
2-4	SS-2					
Rec:						
						# spoon driven with 8 lb sledge hammer

Soil Stratigraphy Summary _____

Driler: [illegible]	**Dvirka and Bartilucci Boring Log**	**Boring ID :** B-12
Inspector: [illegible]	Project Name: La Russell's Cleaners	Sheet 1 of 1
Rig Type: Sledge hammer	Project #: 1397	Location: inside
Drilling Method: [illegible]	Boring Depth:	SW corner

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

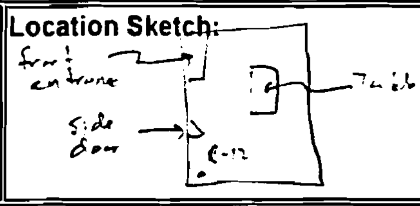
Start (Date & Time): 11/9/96 9:45

Finish (Date & Time): 11/9/96 10:00

Weather: indoors

Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows*	PID	Field Description	Well Schematic	Comments
0-2	SS-1	8	0.7	Concrete		
Rec:	0.4	8		f-m sand, tr. gravel		
		4				
		25				
2-4	SS-2	20	0.8	moist silt & f. sand tr. gravel		LC-SB-12-SS-2 collected for TCL+16 @ 9:54
Rec:	1.0	75				
				bottom of boring 3.0'		
						* spoon driven with 8lb. sledge hammer

* 8 lb sledge

Soil Stratigraphy Summary

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Driller: Darrell H. Wolff - Ron Bush, Jim Hammond
Inspector: G. Gould - D&B
Rig Type: Core drill & tower
Drilling Method: 140lb hammer & Spoons

Dvirka and Bartilucci Boring Log

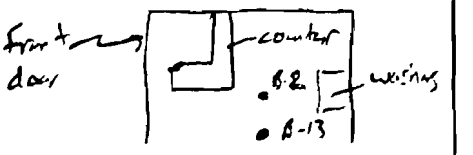
Project Name: LaRussa
Project #: 1397
Boring Depth: 5.9'

Boring ID: B-13
Sheet 1 of 1
Location: inside LaRussa's

Groundwater Observations			
Date	3/5/97		
Time	16:00		
DTW	none		
Casing/Total Depth	5.9'/5.9'		

Start (Date & Time): 3/5/97 17:15
Finish (Date & Time): 3/5/97 18:00
Weather: n/a - indoors
Elevation of Ground Surface: ____

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
0-2	SS-1	2		moist gray, brown & white sand (wet at 2.0' then dry)	Cuttings & Concrete	SS-1 collected at 5:35 pm B-13-1
Rec:	1.0	7				
		10				
		11				
2-4	SS-2	3		moist gray brown white sand		SS-2 collected at 5:43 pm B-13-2
Rec:	1.0	4				
		12				
		12				
4-6	SS-3	11		moist gray-brown sand and gravel		SS-3 6:00 pm B-13-3
Rec:	1.0	18				
		21				spoon bouncing at 5.9'
		30/.4		bottom of boring 5.9'		- hammer bounce is significant indicating a very large boulder or bedrock

Soil Stratigraphy Summary ____

Driller: Perrault-Wolff - Ron Bush
Inspector: G. Gould DdB
Rig Type: Bower Tower
Drilling Method: spoons

Dvirka and Bartilucci Boring Log

Project Name: LaRussell Cleaners
Project #: 1379
Boring Depth: 4.8'

Boring ID : B-14
Sheet 1 of 1
Location: inside LaRussell Cleaners

Groundwater Observations			
Date	3/5/97		
Time	15:45		
DTW	none		
Casing/Total Depth	4.8'/4.8'		

Start (Date & Time): 3/5/97 6:11 pm
Finish (Date & Time): 3/5/97 6:45 pm
Weather: n/a indoors
Elevation of Ground Surface:

Location Sketch: counter, B-14, B-13, door, N

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
0-2	SS-1	—		moist brown sand	cuttings & concrete	6:28 SS-1 collected B-14-1
Rec =	1.0	5				
		9				
		16				
2-4	SS-2	12		moist-wet brown silt & sand, piece gravel white		SS-2 collected at 6:34 B-14-2
Rec =	1.0	6				
		21				
		14				
4-6	SS-3	54		moist gravel and sand brown-gray		SS-3 collected at 6:41 B-14-3
Rec =	1.0'	84				spoon & hammer bouncing
				bottom - 4.8'		

Soil Stratigraphy Summary

Driller: Parratt-Wolff - Ron Bush
Inspector: G. Gould - D&B
Rig Type: CME 75
Drilling Method: 4¼" HSA

Dvirka and Bartilucci Boring Log

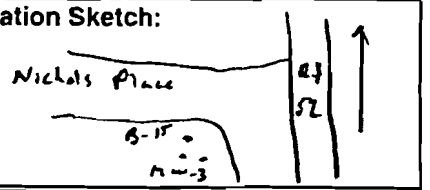
Project Name: LaRussell's Cleaners
Project #: 1377
Boring Depth: _____

Boring ID : B-15
Sheet 1 of 1
Location: _____

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 3/6/97 14:30
Finish (Date & Time): 3/6/97 15:30
Weather: P. Sunny windy gusts to 40mph from W
Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
0-2	SS-1	2		0	backfilled with cuttings and grout	14:19 collect SS-1
Rec:	1.7	5				
		7				
		7				
2-4	SS-2	4				14:43 collect SS-2
Rec:	1.5	3				
		2				
		2				
4-6	SS-3	2				14:47 Collect SS-3
Rec=	1.8	3		5		
		2				
		2				
6-8	SS-4	2				14:49 collect SS-4
Rec=	0.3	2				
		7				
		3		▼		
8-10	SS-5	5				15:00 collect SS-5
Rec =	2.0	6				
		5				
		10				
10-12	SS-6			10 bottom of boring 10.0'		
Rec=						
				15		
				20		

Soil Stratigraphy Summary _____

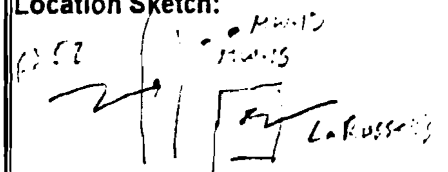
Dvirka and Bartilucci Boring Log

Driller: Doug Richmond - DW	**Dvirka and Bartilucci Boring Log**	Boring ID: MW15
Inspector: G. Gold D&B	Project Name: La Russell's Cleaners	Sheet 1 of 2
Rig Type: Mobile Drill B-57	Project #: 1359	Location:
Drilling Method: Augers	Boring Depth:	

Groundwater Observations			
Date	10/24/96	10/24	10/25
Time	6:29	17:44	7:29
DTW	10.95	4.1	9.45
Casing/Total Depth	12'/12'	15.7/15.7	15.7/15.7

Start (Date & Time): 10/24/96 14:30
Finish (Date & Time): 10/25/96
Weather: breezy, 61°F, sunny
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	8	0.0	0 asphalt moist brown f. sand tr f-c gravel (boulder)		
Rec =	1.0	10				
3-5	SS-2	24	0.0	moist brown f sand, little coarse gravel (white), tr f-m gravel	grout	
Rec =	1.0	32				
		55		5		
5-7	SS-3	50/.3	0.0	5.3	2" I.D. Sch. 40 PVC riser	
Rec =	0.0'			boulder		7.0'
				7.8	bentonite slurry	
8-10	SS-4	14	0.0	moist brown f. sand, some M-C sand, little C. gravel subangular		8.4
Rec =	1.0'	24			00 sand	8.9
		28				
		50/.2		10		
10-12	SS-5	46	—			10.4
Rec =	0.0	50/.2				
12-14	SS-6	10	0.0	wet f. brown sand, some m-c sand, little weathered gravel (orange brown mottling on gravel)		
Rec =	1.3	5				
		7				
		15				
14-16'	SS-7	12	0.0	wet f-c sand, some angular		switch to 4" casing + prep to core at 4" casing at 15.7' end of 10/24/96 15' augers 7 spoons
Rec =	0.5	50/.3		15 f-m gravel		
				top of rock 16.0'		
16-21	C-1	6 min/ft	0.0	light grey-black coarse grained granitic gneiss vertical fractures from 16-17	0 graded sand pack	begin 10/25/96
HX Core				17½ - 19½ fractured zone of soft schistose rock	2" I.D. 0.010 slot Sch. 40 PVC screen	
Rec =	4.3'			grading to dark blue-gray f grained granitic gneiss		
RQD =	3.4/4.3 =	78%		20		

Soil Stratigraphy Summary

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Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log
Project Name: LaPosta's Cleaners
Project #: 1357
Boring Depth: _____

Boring ID : MW-5
Sheet 2 of 2
Location: _____

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				granite gneiss	0 Surface ← 20.4'	
				21' bottom of boring	core fragment	
						5' HX core
						10' PVC screen
						13' PVC riser
						1½ bags 0 Sand
						¼ bag 00 Sand
						¼ bag bentonite
						1 bags portland

Soil Stratigraphy Summary _____

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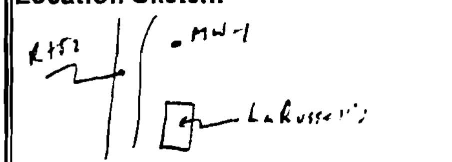
Dvirka and Bartilucci Boring Log

Driller: Parratt Wolff - Doug Richmond	Project Name: La Rossell's cleaners	Boring ID: MW-1D
Inspector: G. Gould - D&B	Project #: 1397	Sheet 1 of 2
Rig Type: Mobile Drill B-57		Location:
Drilling Method: 4" [illegible]	Boring Depth:	

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/21/96 16:40
Finish (Date & Time):
Weather:
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
				0 Black top		auger through
				concrete		at 0.5', 4"
						temp casing through concrete
3-4'	SS-1	50	0.0	moist brown f sand, tr m-c sand		
Rec =	0.5	55		weathered gray granitic gneiss (till)		
						Spin casing to 6½' - on something hard - stop for day at 18:15
5-7	SS-2	50/4	5.6	Sweet brown, light gray & dk gray f-c sand + rock fragments (weathered rock)		
Rec =	0.4					
7-9½	C-1	HX core	0.5	light gray granitic gneiss (boulder)	cement bentonite grout	10/22/96 change to core ream w/ 4" to 9½ 11:05 collect drill water sample
Rec =	2.2					
RQD	= ?/2.2	= 71%				
9.5-10	SS-3	50/1		10 gravel, cobbles, sand (till?)	grout	
Rec =	0.0					
				boulder, cobbles		Spin 4" casing to 15' - 0.3' into rock
				14.5'		
15-20	C-2	7-10	75+	15 - - - blue-gray granitic gneiss high angle fractures with quartz infilling - fractures nearly vertical	bentonite slurry	begin core 13:50 end core 14:30
Rec =	4.7'	ft/min				+ PID fluctuating widely from 30-300 ppm
RQD =	4.5/4.7	= 96%				
				20		

Soil Stratigraphy Summary

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Driller: PW
Inspector: D&B
Rig Type:
Drilling Method:

Dvirka and Bartilucci Boring Log

Project Name: LaRussell's Cleaners
Project #:
Boring Depth:

Boring ID: MW-1
Sheet 2 of 2
Location:

Groundwater Observations			
Date	10/22/96	10/23	
Time	16:56	7:34	
DTW	7.8'	8.7'	
Casing/Total Depth	15'/25'	15'/25'	

Start (Date & Time):
Finish (Date & Time): 10/23/96 13:00
Weather:
Elevation of Ground Surface:

Location Sketch:

Sample Interval	Sample No.	~~Core~~ Blows	PID	Field Description	Well Schematic	Comments
20-25	C-3	17-20	0.0	20 blue-gray granite gneiss with black mineral zones, quartz zones and stained fractures fractures parallel gneiss bands dark minerals are finer grained near bottom of core		4" casing = 8½' HX core = 12.5' end of 10/22/96
Rec=	5.0	no/ft				
RQD=	3.6/5.0 = 72%					
HX Core						
25-30	C-4	7 no/ft	0.0	25 blue-black granitic gneiss high angle foliations very competent		wash water of C-4, 3 drinks gray than previous runs
Rec=	5.0'					8:21 C-4 complete
RQD=	4.9/5.0 = 98%					
HX Core						
					28 bentonite slurry	
					28½	00 sand
30-35	C-5	5 no/ft	0.0	30 blue-black granitic gneiss brown stained fracture at ± 32.2'	2" ID schedule 40 riser	
Rec=	4.8					
RQD=	4.6/4.8 = 96%					
HX Core					30'	
					Grade 0 sand pack	
35-40	C-6			35 blue black granitic gneiss few fractures	2" ID PVC screen 10 slot	grab from C-6
HX Core					Grade 0 sand	1½ bags sand
Rec=	5.0					2 bags bentonite
RQD=	4.8/5.0	96%				¼ bags bentonite
						10' screen
						30' riser
				40 bottom of boring 43'	41'	20' HX core

Soil Stratigraphy Summary

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Driller: Parratt Wolf - Dave Richmond
Inspector: G. Gould D2B
Rig Type: Mobile B-57
Drilling Method: 4" casing & HSA core

Dvirka and Bartilucci Boring Log

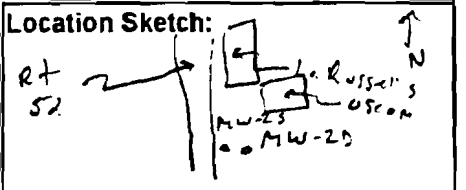
Project Name: LaRossell's Cleaners
Project #: 1397-2A
Boring Depth: _____

Boring ID : MW25
Sheet 1 of 1
Location: _____

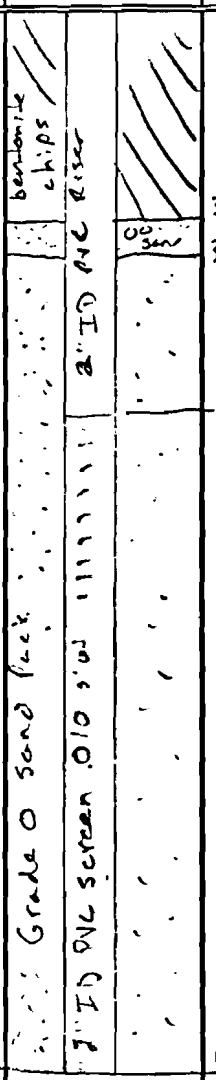
	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/27/96 8:00
Finish (Date & Time): 10/27/96 9:45
Weather: Sunny, 60°F.
Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0		
				auger to 15.5'		
				no		
				samples		
				5		
				10		
				15		
				bottom of boring 15.5'		



10' screen
5½' riser
4 bags O sand
¼ bag 00 sand
1 bag bentonite

Soil Stratigraphy Summary _____

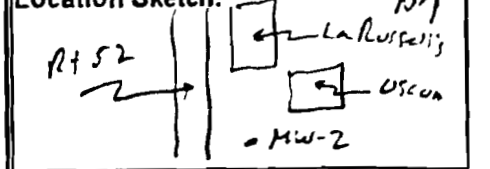
Driller: Parratt-Wolff Inc/Environmental
Inspector: G. Gould - D&B
Rig Type: Mobile B-57
Drilling Method: _____

Dvirka and Bartilucci Boring Log
Project Name: LaRussell's Cleaners
Project #: 1397
Boring Depth: _____

Boring ID : MW-2
Sheet 1 of 3
Location: _____

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:


Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	8	0.0	grass moist f. sand, some silt, tr m.c sand	2" ID Sch. 40 PVC grout slurry	
Rec:	1.5'	6				
		6				
		8				
2-4	SS-2	6	0.0	moist gray, brown orange mottled f-m sand, tr silt, tr. c gravel compact (till)		
Rec =	0.8	50/.3				
4-6	SS-3	5	0.0	moist brown + black f-m sand & tr angular gravel		
Rec =	1.2	18				
		13				
		21				
6-8	SS-4	17	0.3	moist brown/tan f-m sand, highly weathered granitic gneiss tr f-c gravel - angular, till		
Rec =	1.0	21				
		25				
		18				
8-10	SS-5	13	0.1	moist brown & tan f-m sand tr f-c gravel - angular - highly weathered granitic gneiss		
Rec =	1.5	14				
		16				
		24				
10-12	SS-6	11	0.2	10 moist brown & black f-m sand tr f-c gravel - highly weathered granitic gneiss		
Rec =	1.0	9				
		9				
		14		wet f. sand, brown tr f-c gravel		
12-14	SS-7	11		wet brown f. sand, tr. silt tr f-c gravel		
Rec =	0.9	9				
		15				
		22				
14-16	SS-8	7		wet brown f. sand, tr f-c gravel		
Rec =	0.8	9		15		
		6				
		17				
16-18	SS-9	50/.3		wet brown f-m sand, dense spoon refusal 16.3' Top of rock		Roller bit to 20' 4" casing to 18'
Rec =	0.3					
				20		

Soil Stratigraphy Summary _____

Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log
Project Name: LeRussell's Cleaners
Project #: _____
Boring Depth: _____

Boring ID : MW-1D
Sheet 2 of 3
Location: _____

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
20-24	C-1	4min/ft	0.0	20 weathered black schistose granitic gneiss crumbles easily		core black caused start rw
HX core						
Rec =	4.0'					
RQD =	4'/4.0 =	100%				
24-25	C-2	4min/ft	0.0			16' augers 0 spoons 18' 4" casing 5' HX core
HX Core	Rec = 1	RQD = 40%		25 light gray, coarse grained granitic gneiss - vertical fractures		
25-30	C-3	3min/ft	0.0	dark gray-black granitic gneiss vertical fractures with white infilling fractures or foliations have calcite precipitate - many fractures		begin 10/26/96
HX Core						
Rec =	5.0					
RQD =	3'/5.0 =	60%				
30-35	C-4	7min/ft	0.0	30 dark gray granitic gneiss 3 fractures across foliation are mechanical breaks to fill in boy various vertical filled fractures		
HX Core						
Rec =	5.0					
RQD =	5'/5 =	100%				
35-40	C-5	5min/ft	0.0	35 dark gray granitic gneiss angled foliation over 10 fractures in run several vertical fractures one vertical fracture 1/8" wide		35' com black
HX Core						
Rec =	5.0					
RQD =	2'/5.0 =	40%				
				40		38.0 Gradeco 38.5' Grade Disad

Soil Stratigraphy Summary _____

Driller:

Inspector:

Rig Type:

Drilling Method:

Dvirka and Bartilucci Boring Log

Project Name: LaRussells Cleaners

Project #:

Boring Depth:

Boring ID : MW-2D

Sheet 3 **of** 3

Location:

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time):

Finish (Date & Time):

Weather:

Elevation of Ground Surface:

Location Sketch:

Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
40-45	C-6	5 min/ft	0.0	40 dark blue-gray granitic gneiss - 5 vertical fractures - many fractures across foliation	2" ID PVC Screen .010 slot; 0 grade sand pack	40.5'
HX Core						
Rec:	5.0					
RQD:	1.7/5.0 = 34%					
45-50	C-7	5 min/ft	0.0	45 dark blue gray granitic gneiss 10 fractures across foliation, one fracture set has clay (weathered feldspar) infilling		HX core: 25' 10' screen 42' riser 1 bags sand 1/4 bags coarse sand 1/2 bags bentonite 3
HX Core						
Rec:	5.0					
RQD:	3.1/5.0 = 62%					
				50 bottom of boring 50'		
				55		
				60		

Soil Stratigraphy Summary

Dvirka and Bartilucci Boring Log

Driller: Doug Freimann - fw
Inspector: G. Gault - D&B
Rig Type: Mobile B-57
Drilling Method: HSA

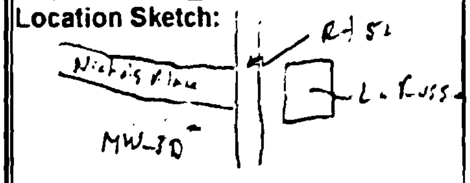
Project Name: La Russell's Cleaners
Project #: 1397
Boring Depth: 13.9'

Boring ID: MW-3D
Sheet 1 of 1
Location:

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/27/96 13:00
Finish (Date & Time): 10/29/96 11:00
Weather: Sunny, warm, 70°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	7	2.7	0 Moist brown f. sand, tr m-c sand, tr angular gravel	grout; bentonite chips; 2" ID PVC Riser	
Rec:	1.0	10				
		8				
		9				
2-4	SS-2	2	1.6	Dry roofing shingles		
Rec:	0.8	4				
		7				
		9			3.9'	
5-7	SS-3	2	3.0	5 wet brown f. sand and silt tr f-c gravel		Top of rock 7.9'
Rec:	1.2	3				auger hole is not plumb - driller
		4				moved rig forward
		11				5' to redrill
7-9	SS-4	2	—	7.9	grade 0 sand pack; 2" ID PVC Screen 0.010 slot	hole and install
Rec:	0.0	50/.4				4" casing - 11:30
8½-9½	C-1	5 min/ft	0.0	coarse grained granitic gneiss white to gray		4" casing at 8½'
HX core	Rec = 0.6	RQD =	100%			8' auger'd
9½-11½	C-2			10 f. grained granitic gneiss dark gray		3 HX core
HX core						end of day
Rec:	2					11½ ft 10/27/96
RQD:	0.5/2.0 =	75%		Boulder 7.5-12½'		8:00am 10/28/96 Spin 4" casing from 8½' to 10' HX core 11½-13'
11½-12½	C-3					end 10/28/96
				13.9'		start 10/29/96 spin 4" casing 10' to
				15		
				20		

Soil Stratigraphy Summary

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Driller: Dave Richmond - PW
Inspector: G. Gould - DEB
Rig Type: Mobil B-57
Drilling Method: 4" casing

Dvirka and Bartilucci Boring Log

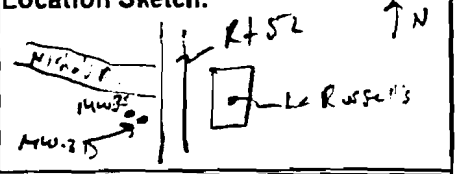
Project Name: LeRussell's Cleaners
Project #: 1397
Boring Depth: 5'/15'

Boring ID : MW-3
Sheet 1 of 3
Location:

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 11/6/96 9:00am
Finish (Date & Time):
Weather: cloudy 50°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0		advance auger to 5' - pull augers use 4" casing
				auger to 5' no sample		
				spin casing to 10' no sample		
				5		
10-12	SS-1	24		10 moist brown f-c sand, and f-c gravel, tr. silt (till)		
Rec=	1.5	31				
		42				
		35				
12-14	SS-2	15		moist f-m sand, some f-c gravel (till)		
Rec=	2.0	17				
		21				
		19				
14-16	SS-3	14		cobble		
Rec=	0.4	17		15		
		23				
		20				
16-18	SS-4	12		wet f-c sand, some f-c gravel (till)		
Rec=	2.0	15				
		46				
		47				
18-20	SS-5	40		wet f-c sand, some f-c gravel (till)		
Rec=	1.5	48				
		50/4				

2" ID PVC Riser Sch 40
Cement-bentonite grout

Soil Stratigraphy Summary

Driller:	Dvirka and Bartilucci Boring Log	Boring ID : MW-37
Inspector:	Project Name: LaRussell's Cleaners	Sheet 2 of 3
Rig Type:	Project #: 1397	Location:
Drilling Method:	Boring Depth:	

Groundwater Observations			
Date	11/7/96		
Time	7:15		
DTW	6.0'		
Casing/Total Depth	25'/39.5'		

Start (Date & Time): 11/6/96

Finish (Date & Time):

Weather:

Elevation of Ground Surface:

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
20-22	SS-6	30		20 wet f-c sand, some f-c gravel gravel is highly weathered granite gneiss	cement bentonite / grout	
Rec =	2.0	37				
		41				
		37				
22-24	SS-6	41		wet f-c sand, some f-c gravel (weathered granitic gneiss) tr. silt. f. sand layers 2mm thick		
Rec =	1.5	33				
		50/.3				
				24.		24'
25-29½	C-1	3min/ft		25 dark gray to black micaceous schist/gneiss - very soft biotite & muscovite beds some quartz banding parallel to foliation, some thin, filled vertical fractures	bentonite slurry / 8" ID PVC Riser - Sch. 40	3:40 lost 50 gallons of water in c-1
Rec =	4.5'					
RQD =	1.2/4.5	= 27%				
HX Core						
29½-34½	C-2			30 dark gray biotite banded granite gneiss		4:00 lost 50 gallons of water in C-2
Rec =	5.0					
RQD =	3.4/5.0	= 68%				
HX Core						
34.5-39.5	C-3			35		
Rec =	5.0					
RQD =	4.4/5.0	= 88%		large vertical fracture at 35'-36' becoming more competent		end of 11/6/96 5' augers 7 spoons 20' casing 14½' HX core
HX Core						
39.5-	C-4			40		

Soil Stratigraphy Summary

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Driller:	Dvirka and Bartilucci Boring Log	Boring ID : MW-3D
Inspector:	Project Name: Lo Russo's Cleaners	Sheet 3 of 3
Rig Type:	Project #: 1357	Location:
Drilling Method:	Boring Depth:	

Groundwater Observations				Start (Date & Time):
Date				Finish (Date & Time):
Time				Weather:
DTW				
Casing/Total Depth				Elevation of Ground Surface:

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
HX Core	C-4			40 dark gray & white gray banded granitic gneiss; 5 fractures with banding; 1 fracture across banding	2" ID PVC screen; bentonite slurry; 42.0; 42.5 sand	begin 11/7/96
Rec:	5.0					
RQD:	4.5/5.0	90%				
44.5-49.5	C-5					
HX core				45 dark gray & white banded granitic gneiss; 2 fractures across foliations; 3 fractures with foliations; fracture at 44.5' exhibits clay-like ?? possible water flow	44.5; 2" ID PVC screen .010" slot; Grade 0 sand pack	
Rec:	5.0					
RQD:	4.7/5.0	94%				
49.5-54.5	C-6					
HX core				50 dark gray, some white banded granitic gneiss; vertical fractures 53-52 with ??; 2 fractures ‖ to foliations, 2 fractures across foliations	54.5	
Rec:	5.0					
RQD:	3/5.0	62%				
				55 bottom of boring 54.5'		
				60		

Soil Stratigraphy Summary

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Driller: Parratt Wolff - Doug Richmond
Inspector: G. Gould - DEB
Rig Type: Mobil Drill B-57
Drilling Method: 2.75" HSA

Dvirka and Bartilucci Boring Log

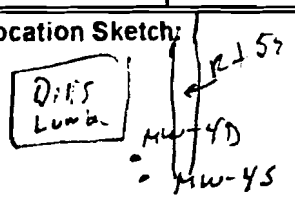
Project Name: LaRussell's clearing
Project #: 1397
Boring Depth: _____

Boring ID: MW-4S
Sheet 1 of 1
Location: 10' South of MW-4D

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/24/96 11:30
Finish (Date & Time): 10/24/96 13:30
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0		
				see log of MW-4D	bentonite clips; 1" ID Riser; 00 Sand; 2" ID 10' slot PVC Screen; 0 Sand Pack	2.0; 2.5; 3'; 13'
				5 no samples collected		13' augers; 10' screen; 5' riser; 5 bags 0 Sand; ¼ bag 00 Sand; 1 bag bentonite chips
				10		
				bottom of boring 13'		
				15		

Soil Stratigraphy Summary _____

Driller: Parratt-Wolff - Doug Richmond

Inspector: G. Gould - D&B

Rig Type: Mobile B-57

Drilling Method: HX core

Dvirka and Bartilucci Boring Log

Project Name: LaRussells Cleaners

Project #: 1397

Boring Depth: ______

Boring ID : MW-3D

Sheet 1 of ___

Location: ______

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/29/96 13:00

Finish (Date & Time): ______

Weather: ______

Elevation of Ground Surface: ______

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0		
				no samples		auger to 7'
				5		
						7' spin 4" casing to 8' HX core
				light gray to white & black banded granitic gneiss	8.0	
8-10 HX core Rec = 2.0 RQD = 100%	C-1					
10-12 HX core Rec = 2.0 RQD =	C-2			10 Boulder granitic gneiss		
				12.0'		broke out of boulder at 3:30 pm
				15		
				20		

Soil Stratigraphy Summary ______

Dvirka and Bartilucci Boring Log

Driller: [illegible] – [illegible]
Inspector: G. [illegible]
Rig Type: Mobil [illegible] B-57
Drilling Method: 4 1/4" HSA

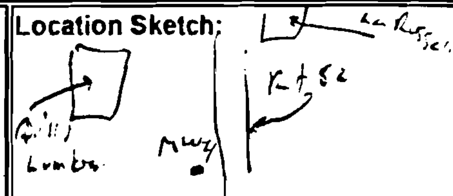
Project Name: La Russell's Cleaners
Project #: 1397
Boring Depth: 30'

Boring ID : MW-4
Sheet 1 of 2
Location:

Groundwater Observations			
Date	10/23/96	10/24/96	
Time	17:55	7:20	
DTW	1.8'	2.1'	
Casing/Total Depth	17'/17'	17'/17'	

Start (Date & Time): 10/23/96 2:05
Finish (Date & Time):
Weather: P. sunny 68°F
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
0-2	SS-1	8	0.0	moist brown f sand tr gravel, tr brick fragments tr roots (fill)		
Rec:	1.5	4				
		7				
		7				
4-6	SS-2	7	0.0			
Rec:	1.3	9				
		12				
		19				
		50/0.0		auger through boulder		spoon attempt failed auger on
5-7	SS-3	10	0.0	moist brown f. sand, little f-c gravel subangular, tr weathered cobble (fill)	Grout	
Rec =	1.2'	14				
		14				
		20				
7-9	SS-4	14	0.0	moist brown f. sand, little f. m gravel (weathered) tr c. gravel (fill)		
Rec =	1.0	17				
		12				
		14				
9-11	SS-5	11	0.0	wet brown f. sand, little f-m gravel, tr c. gravel (fill) gravel is weathered		
Rec:	0.7	9				
		12				
		10				
11-13	SS-6	13	0.0	wet brown f-m sand, little coarse weathered gravel (fill)	Sch. 40	
Rec =	0.8	15				
		11				
		10				
13-15	SS-7	7	0.0	wet brown f. sand, little f-m gravel (subangular)	13.0 PVC Riser	not as consolidated as fill above
Rec =	1.0	8				
		9				
		4				
15-17	SS-8	8	0.0	wet brown f. sand, little silt	Bentonite	18.3' *
Rec =	0.9	29		wet brown, black tr. orange weathered rock	2" ID PVC	
		50/.1		17.0' top of rock		auger refusal at 16.1'
17-20	C-1	5 min/ft	0.0	dark blue-gray granitic gneiss 4 fractures with foliation 1 fracture cross-foliation	#00 Sand Pack	- install 4" temp. casing
HX Core						end 10/23/96
Rec =	3.0'				0 Sand Pack	16' augers 9 spoons 17' 4" casing
RQD =	2.7/3.0	= 90%				

Soil Stratigraphy Summary

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Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log
Project Name: Lafarge Albany
Project #: 96-
Boring Depth: _____

Boring ID : MW-4D
Sheet 1 of 2
Location: _____

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): 10/24/96 11:15
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows	PID	Field Description	Well Schematic	Comments
20-25	C-2	4min/ft	00	20 dark blue gray granitic gneiss f. grained, dark mineral abundant 5 fractures with foliation, 1 fracture zone 22-23.5	Grade 0 sand pack 8" ID PVC screen .010 slot 28.3 ft cave in	* well pulled up 1.7' when removing casing
Hx core						
Rec =	4.8'					
RQD =	3.5/4.8 = 73%					
25-30	C-3	3½min/ft	00	25 dark blue gray granitic gneiss - less quartz than C-2, 3 fractures oblique to foliation, fracture zone at 27-28' quartz infills in 2 fractures		1 bag 0 sand 1/4 bag 00 sand 1/4 bag gravel 10' screen 22' riser
Hx Core						
Rec =	4.7					
RQD =	4.7/4.7 = 87%					
				30 bottom of boring 30'		
				40		

Soil Stratigraphy Summary _____

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Driller: Doug Richmond - PW
Inspector: G. Gould - D+B
Rig Type: Mobil B-57
Drilling Method: HX core

Dvirka and Bartilucci Boring Log

Project Name: La Russell's Cleaners
Project #: 1397
Boring Depth: 40'

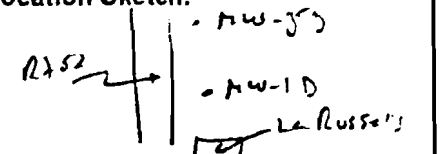
Boring ID: MW-5
Sheet 1 of 2
Location:

Groundwater Observations

Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 10/29/96 16:30
Finish (Date & Time): 11/5/96 14:30
Weather:
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0 crushed stone drain field material		1 site mob end 10/29/96 5'-augers
				5 brown f. sand		10/30/96 HX core 5'
				boulder 7.0' - 7.8'		
				8.9' white, coarse grained granite gneiss to dark minerals		end 10/30/96
9.2-10.2	C-1			10		start 11/4/96
HX Core	Rec=0.8' RQD: 100%					Spin 4" casing to 15'
10.2-15.2	C-2					Roller bit to 16'
HX Core						
Rec:	5'					4" casing to 17'
RQD:	32/5 = 64%			Boulder 13.0		
				unconsolidated sediment 15'		
				17.0		
17-20	C-3			white granite gneiss boulder (boulder) 18.7'		18.0
HX Core						18.5'
Rec:	2.0'	RQD=	55%			
				20		

2" ID PVC Riser Sch 40
cement/bentonite grout
bentonite slurry
sand
sand

Soil Stratigraphy Summary

Driller: PW

Inspector: G. Gal'o

Rig Type:

Drilling Method:

Dvirka and Bartilucci Boring Log

Project Name: La Russell's Cleaners

Project #:

Boring Depth:

Boring ID : MW-5S

Sheet 2 of 2

Location:

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time):

Finish (Date & Time):

Weather:

Elevation of Ground Surface:

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				20 — unconsolidated sediment	20'	end of 11/4/96 4" casing to 20' ff to 25'
						begin 11/5/96 spin casing to 25'
				25 — no samples taken roller bit to 40' spin casing to 36'		10:30 casing at 36' and will not advance further (hole is open to 40')
				30	2" ID PVC screen 10 slot; Grade 0 sand pack	20' screen 23' Riser 4 bags 0 sand 1/4 bag 00 sand 1 bag bentonite 3 bags portland cement
				35		
				40		

Soil Stratigraphy Summary

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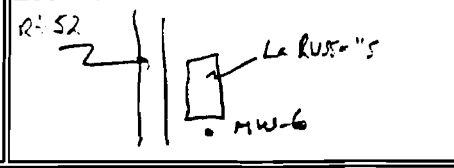
Driller: Doug Richmond - PW	**Dvirka and Bartilucci Boring Log**	**Boring ID :** MW-6
Inspector: G Gould - D&B	Project Name: La Russell's Cleaners	Sheet 1 of 3
Rig Type: Mobil B-57	Project #: 1397	Location:
Drilling Method: 4" temp casing	Boring Depth:	

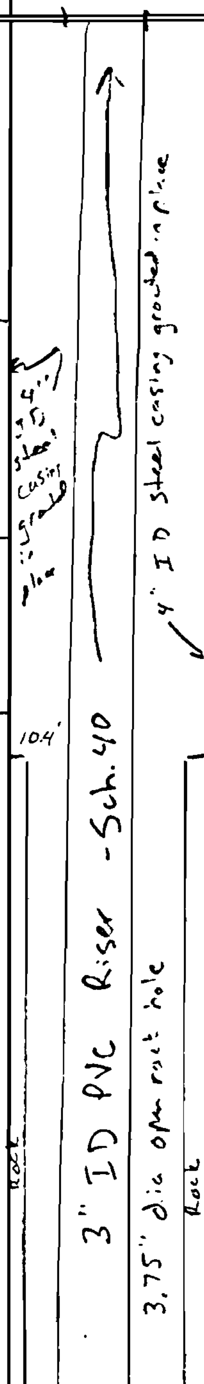
	Groundwater Observations			Start (Date & Time): 11/7/96
Date				Finish (Date & Time): 11/10/96 12:00 pm
Time				Weather: indoors
DTW				
Casing/Total Depth				Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	PID	Field Description	Comments
0-2	SS-1		0.0	0 [illegible] moist brown f-m sand, tr. c sand, tr. f. gravel, tr. silt	SS-1 collected from cuttings
Rec:	2.0				
2-4	SS-2	6	0.0	moist brown f. sand, some m-c sand	
Rec:	1.7	4			
		42			
		49			
4-6	SS-3	50/.4		moist brown c. gravel tr. f-m sand 4.4	boulder 4.4'-7.7' spin 4" casing to 8' end of 11/7/96 3⅞" casing 4½" augers
Rec =	0.4'			boulder	start 11/8/96
8-10	SS-4	26	8.5*	moist brown f-m sand tr. c. sand, tr. f-c gravel sb angular - weathered granite	spin casing from 8-10.2
Rec:	1.8	24			
		28			
		70			begin coring (HX) at 10.2'-5' core
10-12	SS-5	70/.3	2.3	10 weathered granitic gneiss [illegible] f. [illegible] sand	grout 4" casing in hole and
10.4-15.2	C-1			dk gray and white banded granitic gneiss 5 fractures, parallel to banding	
HX Core					
Rec =	4.8'				
RQD =	4.8/4.8	100%			
15.5-20.5	C-2			15 dark gray & white banded granitic gneiss 6 fractures, parallel to banding	
HX Core					
Rec =	5.0	RQD = 4.[illegible]	/5 = 90%		
				20	

Well Schematic



* spoon was washed [illegible] [illegible] [illegible] cleaners [illegible] - background PID was 9.5 ppm

Soil Stratigraphy Summary

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Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log
Project Name: La Russell's Cleaners
Project #: 139
Boring Depth: _____

Boring ID : MW6
Sheet 2 of 3
Location: _____

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				20 dark gray and white banded granitic gneiss		
20.5-25.5	C-3			3 fractures parallel to banding		
HX core				1 fracture across banding at 21'		
Rec:	5.0					
RQD:	5.0/5.0 =	100%				
				25 dark gray & white banded granitic gneiss		
25.5-30.5	C-4			4 fractures parallel to banding		
HX core				core mechanical break		
Rec:	5.0					
RQD:	5.0/5.0 =	100%				
				30 dark gray and white banded granitic gneiss		
30.5-35.5	C-5			4 fractures parallel to banding		
HX core				fracture zone 31.5-32.0		
Rec:	5.0			one fracture across banding.		
RQD:	4.1/5.0 =	82%				
				35 dark gray & white banded granitic gneiss		
35.5-40.5	C-6			5 fractures parallel to banding		
HX core						
RQD:	5/5 =	100				
Rec:	5.0					
				40		

Soil Stratigraphy Summary _____

Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log

Project Name: _____
Project #: _____
Boring Depth: _____

Boring ID : MW-6
Sheet 3 of 3
Location: _____

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				40 dark gray and white banded granitic gneiss 4 fractures parallel to banding 3 thin vertical fractures 41-45'	open rock hole 3.75" diameter (HX core) / 3" ID sch 40 PVC Screen .010 slot / 55.5'	30' HX core end of 11/9/96
40.5-45.5	C-7					
HX Core						
Rec:	5.0					
RQD:	4.7/5.0 =	94%				
				45 dark gray & white banded granitic gneiss 4 fractures parallel to banding fracture zone 49'-50.5'		
45.6-50.5	C-8					
HX Core						
Rec:	5.0					
RQD:	3.5/5.0 =	72%				
				50 dark gray and white banded granitic gneiss 9 fractures parallel to bedding fracture zones at 50.5-51.5 and 52.5-53.5		11/10/96 15' HX core 20' 3" screen 30' 8" Riser
50.5-55.5	C-9					
HX Core						
Rec:	5.0					
RQD:	3.8/5.0 =	76%				
				55 bottom of boring 55.5'		
				60		

Soil Stratigraphy Summary _____

Driller: Parratt-Wolff - Ron Bush
Inspector: G Gould - D&B
Rig Type: CME 75
Drilling Method: 4¼" HSA

Dvirka and Bartilucci Boring Log

Project Name: LaRussell Cleaners
Project #: 1397
Boring Depth: 9'

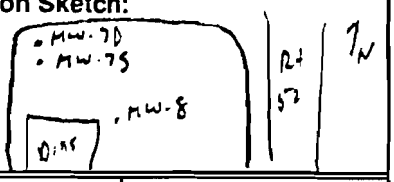
Boring ID : MW-7D
Sheet 1 of 1
Location:

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 3/4/97 12:30
Finish (Date & Time): 3/6/97 14:15
Weather: p.sunny, windy

Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0		
				NO samples see log of MW-7D	1.0 bentonite chips; 2.0; 2" ID PVC Riser; 3.0; #0 Morie Sand; 2" ID PVC Screen; 9.0'	
				5		
				Bottom of boring 9.0'		
				10		

Soil Stratigraphy Summary _____

Driller: Parratt-Wolff - Tom Bush
Inspector: G. Gould D&B
Rig Type: CME 75
Drilling Method: 4¼" HSA

Dvirka and Bartilucci Boring Log

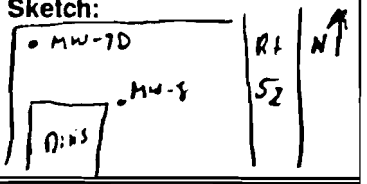
Project Name: LaRussell's Cleaners
Project #: 1397
Boring Depth: 25.3'

Boring ID: MW-7D
Sheet 1 of 2
Location:

Groundwater Observations			
Date	3/5/97	3/6/97	
Time	12:42	7:30	
DTW	4.0'	1.0'	
Casing/Total Depth	4"/4'	40'/10'	

Start (Date & Time): 3/5/97 12:00
Finish (Date & Time): 3/6/97 12:30
Weather: cloudy 38° F
windy
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows	OVA (ppm)	Field Description	Well Schematic	Comments
0-2	SS-1	5	1.0	0 moist gray-green organic silt, little sand, tr. gravel, tr. roots		
Rec:	1.2'	6		moist gray and orange mottled silt tr. sand, tr. gravel		
		7				
		10				
2-4	SS-2	12	1.0	moist orange & brown mottled f-m sand, little silt		
Rec:	1.3'	17				
		26				
		15				
4-6	SS-3	19	1.0	moist orange and brown layered f-m sand, tr. c. sand, tr. gravel		
Rec:	1.0'	22		5		
		30				
		25				
6-8	SS-4	14	1.0	moist orange and brown layered f-m sand, tr. c. sand, tr. gravel layers are ≈ 30° angle with horizontal		
Rec:	1.0	38				
		64				
		—				
8-10	SS-5	73		moist orange & brown layered f-m sand (weathered rock)		
Rec:	0.7	45				
9.8-10.3	C-1			granitic gneiss boulder		
HX Core		RQD=0				
10.3-15.3	C-2			dark gray granitic gneiss with fractures parallel to banding and some weathered brown zones		
HX Core						
Rec:	40					
RQD:	0.7/40 =	18%				
15.3-20.3	C-3			dark gray banded granitic gneiss 10 fractures - most fractures parallel to bedding		
HX Core						
Rec:	5.2					
RQD:	4.1/5.2 =	79%		Weathered zone 18.5'-20'		

Well Schematic:
- grout slurry
- dark gray chips
- #0 Marie Sand
- 2" ID PVC Riser Sch. 40
- 2" ID PVC Screen Sch. 40 10 slot
- 9.0'
- 12.0'

Comments:
- 12:43 Tom Gibbons arrived at site end 3/5/97
- 10' augers, 5 spoons 10' f.j. casing
- Start 3/6/97 HX core
- core 0.5' boulder
- 18.5'
- Small water loss

Soil Stratigraphy Summary

Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log

Project Name: LeRusse II
Project #: _____
Boring Depth: _____

Boring ID : MW-7D
Sheet 2 of 2
Location: _____

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
20.3-25.3	C-4			20 dark gray banded granitic gneiss 3 fractures perpendicular to banding, 7 fractures parallel to banding possible fault displacement of ½ inch	#0 Morie sand #0 Morie sand	22.0'
HX core						
Rec =	5.1					
RQD =	4.8/5.1 = 94%					
				25 bottom of boring 25.3'		15.5' HX core 10' screen 15' Riser bags sand bags bentonite bags Portland 1 stick up prot. casing w/lock

Soil Stratigraphy Summary _____

Driller: Parratt-Wolff - Ron Bush, Jim Hammond
Inspector: G. Gould - D&B
Rig Type: CME 75
Drilling Method: 4¼" HSA

Dvirka and Bartilucci Boring Log

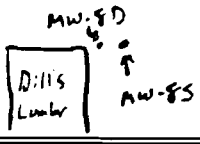
Project Name: LeRussell's Cleaners
Project #: 1397
Boring Depth: 13.2'

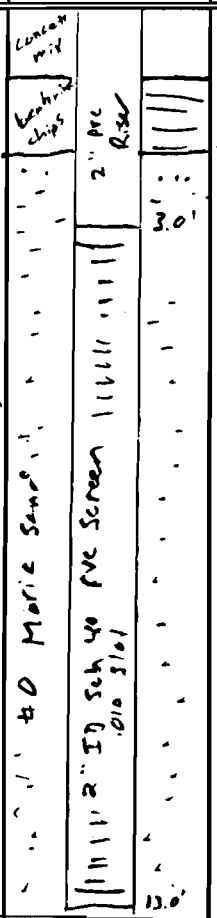
Boring ID : MW-8S
Sheet 1 of 1
Location:

Groundwater Observations			
Date	3/5/97		
Time	8:15		
DTW	5.0'		
Casing/Total Depth	13'/13'		

Start (Date & Time): 7:15 3/5/97
Finish (Date & Time): 11:30 3/5/97
Weather: cloudy 35°F
Elevation of Ground Surface:

Location Sketch: NT



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0		
				auger through boulder		4'-6' boulder
				5		
				10		
				bottom of boring 13.2'		1 site mob 13' Augers 10' Screen 3' Riser 1 flushmount cover
				15		
				20		

Soil Stratigraphy Summary

Driller: Parratt-Wolff - Ron Bush
Inspector: G. Gould Jim Hammond
Rig Type: CME 75 Truck
Drilling Method: 4 1/4" HSA

Dvirka and Bartilucci Boring Log

Project Name: LaRussell's Cleaners
Project #: 1397
Boring Depth: 24.5'

Boring ID : MW-8D
Sheet 1 of 2
Location:

Groundwater Observations			
Date	3/4/97		
Time	9:00		
DTW	2.0'		
Casing/Total Depth	10'/10'		

Start (Date & Time): 3/4/97 7:00
Finish (Date & Time): 3/4/97 4:30
Weather: snowing
Elevation of Ground Surface: ± 642'

Location Sketch: MW-8, Drive, Rt 52

Sample Interval	Sample No.	Blows	OVA (ppm)	Field Description	Well Schematic	Comments
0-2	SS-1	—	4ppm	0 blacktop moist gray-brown sand, little silt, tr clay (fill), little gravel	Cement bentonite grout	Breathing zone 0.5ppm on OVA
Rec:	0.5'	20				
		17				
		20				
2-4	SS-2	16	1	moist dk gray silt, tr. organic matter tr clay, tr. sand		
Rec:	1.5'	11				
		6				
		5				
4-6	SS-3	2	1	moist dk gray silt, tr gravel tr sand, tr clay 5 layered brown sand & silt		
Rec:	1.7	3				
		5				
		6				
6-8	SS-4	6	5	moist dk gray silt & sand, tr gravel		
Rec:	1.5	7				
		6				
		11		lt. brown silt & sand, tr. gravel		
8-10	SS-5	18	—			8' spoon - water on rocks no recovery in spoon
Rec:	0.0	14				
		15				
		14				
10-12	SS-6	7	1.5	10 wet brown sand and angular gravel, trace silt	2" ID PVC Riser Sch 40	
Rec:	2.0	11				
		24				
		36				
12-14	SS-7	70/.1	1.0	wet granitic gneiss chip		11.5' bentonite chips
Rec:	0.1					12.5'
C-1	12.2-14.5			dark gray, banded granitic gneiss, pyrite on fracture faces, fractures are parallel to banding and 45° from vertical		auger grinding on rock/boulder? - auger refusal at 12'
Rec:	1.3'					9:30 - drillers setting up to core
RQD:	1.3/18' = 72%					OVA 1.0 BZ
C-2	14.5-19.5			15		10:45 spinning 4" casing to 12'
Rec:	5.0					11:20 begin HX core
RQD:	4.6/5.0 =	92%	12m/st			11:25 begin C-2
						12:35 end C-2
						18½' losing some water
C-3	19.5-24.5			20		

Soil Stratigraphy Summary

file d&blog xls revised 8/26/96 by GG

Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log
Project Name: LaRussell
Project #: _____
Boring Depth: _____

Boring ID : MW-8D
Sheet 2 of _____
Location: _____

	Groundwater Observations		
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
Rec=	5.0			20	2" ID PVC Screen; #0 Morie Sand; 23.5	
RQD=	45/50 = 90%					
				25 bottom of boring 24.5'		1 site mob 12' augers 12.5' 4" F.J. 12' Hylore 10' PVC Screen 13.5' PVC Riser 1 bag sand 1/2 bag bentonite 2 bags Portland
				30		
				35		
				40		

Soil Stratigraphy Summary _____

Driller: Parratt-Wolff - Ron Bush
Inspector: G Gould - D & B
Rig Type: CME 75
Drilling Method: 4¼" HSA

Dvirka and Bartilucci Boring Log

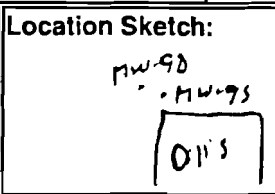
Project Name: LaRussell's Cleaners
Project #: 1397
Boring Depth: 8.7'

Boring ID : MW-9S
Sheet 1 of 1
Location:

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): 12:05 3/11/97
Finish (Date & Time): 15:30 3/11/97
Weather: cloudy cool 35°F.
Elevation of Ground Surface:

Location Sketch:



Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
				0 no samples see log of MW-9D	2" PVC Riser; #6 Morie Sand; 1½" ID PVC Screen; 2.7'; 8.7'	
				5 boulder		
				bottom of boring 8.7' 10		9' augers 6' screen 5' riser 1 site mob 2 bags sand 1 bags bentonite 2 bags Portland

Soil Stratigraphy Summary

Driller: Parratt-Wolff - Ron Bush
Inspector: G Gould - D&B
Rig Type: CME 75
Drilling Method: 4¼" HSA

Dvirka and Bartilucci Boring Log

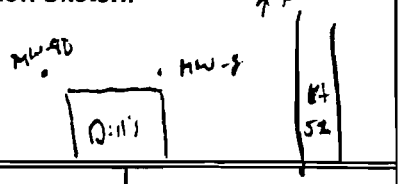
Project Name: La Russell's Cleaners
Project #: 1397
Boring Depth: _____

Boring ID : MW-9D
Sheet 1 of 2
Location: _____

	Groundwater Observations		
Date	3/10/97		
Time	16:50		
DTW	7.8'		
Casing/Total Depth	10'/10'		

Start (Date & Time): 3/10/97 15:15
Finish (Date & Time): 3/11/97 12:00
Weather: Sunny 48° F
Elevation of Ground Surface: _____

Location Sketch:



Sample Interval	Sample No.	Blows	OVA (ppm)	Field Description	Well Schematic	Comments
0-2	SS-1	1	1.0	0 moist Vf-c sand, tr. gravel brown, little silt		
Rec=	1.5	5				
		3				
		3				
2-4	SS-2	8	1.0	moist brown m-c. sand, little f-c gravel		
Rec=	1.2	30				
		30				
		46				
4-6	SS-3	24	1.0	moist brown m-c sand, little		
Rec=	1.5	45		5 f-c gravel tr. silt		
		75/.3'				
6-8'	SS-4		—	boulder		7.8' bracketed boulder
Rec=	no sample					till like
				7.8'		
8-10	SS-5	19	1.0	wet Vf-m sand, some f-c gravel, brown		
Rec=	0.5	41				10' augers 4/spoon
		50/.2'				end of 3/10/97
						start 3/11/97
10-12½	SS-6	50/.2	—	10 no recovery probable rock		
	C-1					
Rec=	2.5'			weathered granitic gneiss		12.0'
RQD=	0/2.5'	0'				
12½-15	C-2					
Rec=	2.5'			weathered granitic gneiss		13.5
RQD=	0.5/2.5=	32%				
15-20	C-3			15 granitic gneiss dark gray banding		
Rec=	5.0'					
RQD=	3.4/5.0=	68%				
				20		

#10 Morie Sand
2" ID PVC Riser
2" ID PVC screen 10 slot

Soil Stratigraphy Summary _____

Driller: _____
Inspector: _____
Rig Type: _____
Drilling Method: _____

Dvirka and Bartilucci Boring Log
Project Name: LaRusso II
Project #: _____
Boring Depth: _____

Boring ID : MW-9I
Sheet 2 of 2
Location: _____

Groundwater Observations			
Date			
Time			
DTW			
Casing/Total Depth			

Start (Date & Time): _____
Finish (Date & Time): _____
Weather: _____
Elevation of Ground Surface: _____

Location Sketch:

Sample Interval	Sample No.	Blows		Field Description	Well Schematic	Comments
20-24.2	C-4			20 granite gneiss	#0 sand; 2" ID PVC screen; 23.5'	
Rec=	4.0					
RQD=	2.2/40 = 55%					
				25 Bottom of boring 24.2'		3/11/97 15' HX Core 10' Screen 15½' Riser 2 bags sand ½ bags bentonite 2 bags grout

Soil Stratigraphy Summary _____

APPENDIX C

GROUNDWATER ELEVATION DATA

Groundwater Level Measurements
LaRussell's Cleaners Site
March 26, 1997
1:30 - 2:00 pm

Well ID	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)	Depth Below Ground Surface (feet)
MW-1D	9.75	648.49	10.08
MW-1S	10.16	648.18	10.39
MW-2D	4.97	645.70	5.25
MW-2S	3.14	647.21	3.33
MW-3D	10.82	644.60	9.05
MW-3S	7.59	647.79	5.61
MW-4D	6.12	628.20	4.08
MW-4S	4.61	629.16	2.49
MW-5S	18.99	643.07	16.89
MW-6	6.84	646.41	7.39
MW-7D	4.45	642.09	2.13
MW-7S	4.99	641.79	2.09
MW-8D	1.24	639.06	1.60
MW-8S	0.98	639.31	1.31
MW-9D	3.37	640.01	0.86
MW-9S	3.98	639.69	0.50

Groundwater Level Measurements
LaRussell's Cleaners Site
March 26, 1997
6:40 - 7:30 am

Well ID	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)	Depth Below Ground Surface (feet)
MW-1D	9.93	648.31	10.26
MW-1S	10.14	648.20	10.37
MW-2D	4.72	645.95	5.00
MW-2S	3.15	647.20	3.34
MW-3D	9.64	645.78	7.87
MW-3S	7.20	648.18	5.22
MW-4D	6.13	628.19	4.09
MW-4S	4.57	629.20	2.45
MW-5S	18.95	643.11	16.85
MW-6	5.94	647.31	6.49
MW-7D	4.62	641.92	2.30
MW-7S	4.95	641.83	2.05
MW-8D	1.23	639.07	1.59
MW-8S	0.94	639.35	1.27
MW-9D	3.95	639.43	1.44
MW-9S	3.30	640.37	-0.18

Groundwater Level Measurements
LaRussell's Cleaners Site
March 7, 1997

Well ID	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)	Depth Below Ground Surface (feet)
MW-1D	9.81	648.43	10.14
MW-1S	10.10	648.24	10.33
MW-2D	7.40	643.27	7.68
MW-2S	3.55	646.80	3.74
MW-3D	14.99	640.43	13.22
MW-3S	7.75	647.63	5.77
MW-4D	6.21	628.11	4.17
MW-4S	4.87	628.90	2.75
MW-5S	18.30	643.76	16.20
MW-6	7.32	645.93	7.87
MW-7D	5.09	641.45	2.77
MW-7S	5.52	641.26	2.62
MW-8D	1.39	638.91	1.75
MW-8S	1.10	639.19	1.43
MW-9D	4.34	639.04	1.83
MW-9S	3.91	639.76	0.43

Groundwater Level Measurements
LaRussell's Cleaners Site
April 18, 1997
6:45 - 7:41 am

Well ID	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)	Depth Below Ground Surface (feet)
MW-1D	8.50	649.74	8.83
MW-1S	9.03	649.31	9.26
MW-2D	3.82	646.85	4.10
MW-2S	2.85	647.50	3.04
MW-3D	9.27	646.15	7.50
MW-3S	7.63	647.75	5.65
MW-4D	5.83	628.49	3.79
MW-4S	4.37	629.40	2.25
MW-5S	17.42	644.64	15.32
MW-6	3.30	649.95	3.85
MW-7D	3.45	643.09	1.13
MW-7S	4.02	642.76	1.12
MW-8D	1.07	639.23	1.43
MW-8S	0.75	639.54	1.08
MW-9D	2.83	640.55	0.32
MW-9S	3.85	639.82	0.37

Groundwater Level Measurements
LaRussell's Cleaners Site
Novemeber 20, 1996

Well ID	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)	Depth Below Ground Surface (feet)
MW-1D	9.50	648.74	9.83
MW-1S	9.68	648.66	9.91
MW-2D	6.16	644.51	6.44
MW-2S	3.51	646.84	3.70
MW-3D	14.06	641.36	12.29
MW-3S	8.02	647.36	6.04
MW-4D	6.45	627.87	4.41
MW-4S	5.14	628.63	3.02
MW-5S	18.68	643.38	16.58
MW-6	8.25	645.00	8.80

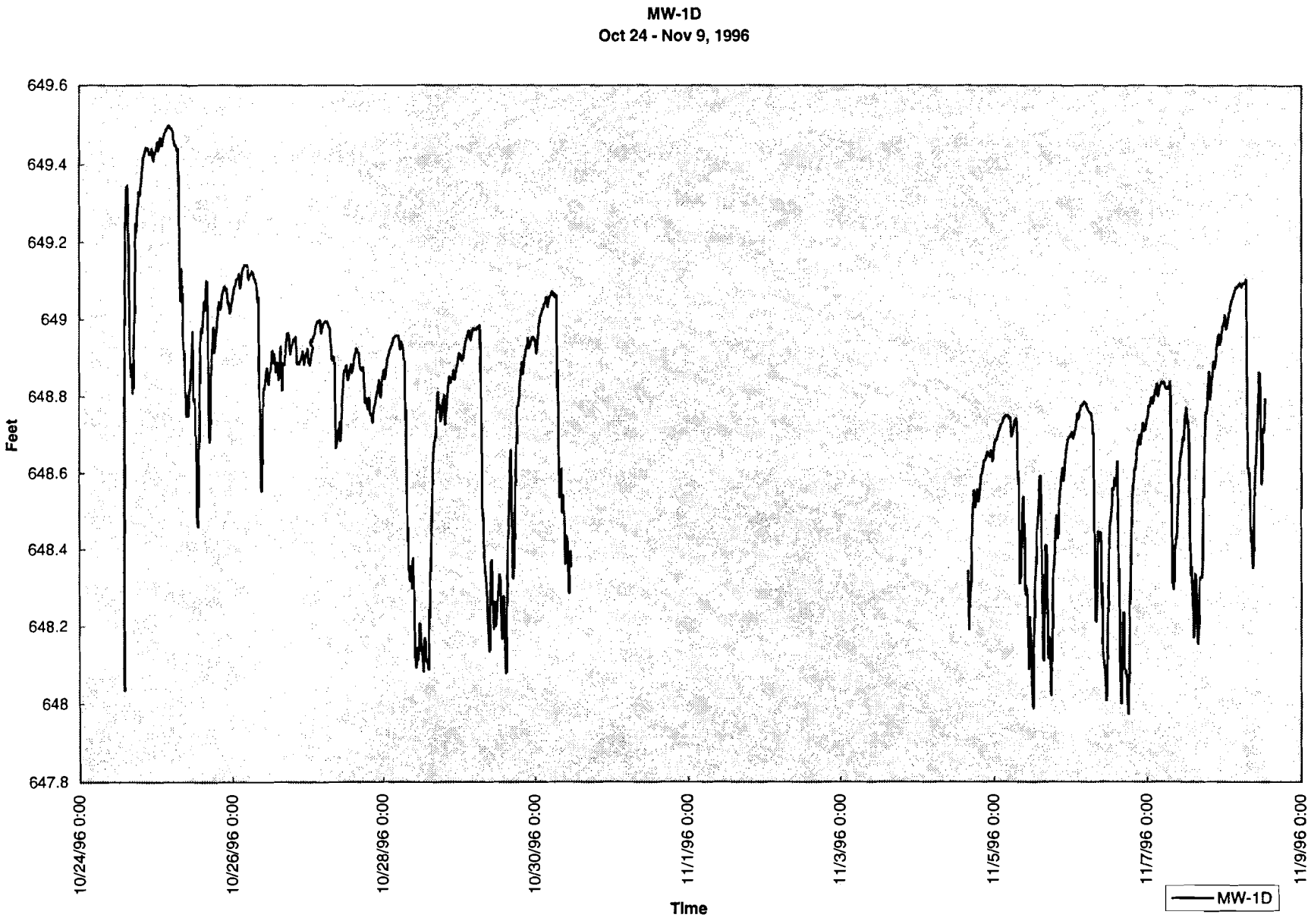
Groundwater Level Measurements
LaRussell's Cleaners Site
Novemeber 10, 1996

Well ID	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)	Depth Below Ground Surface (feet)
MW-1D	8.57	649.67	8.90
MW-1S	8.94	649.40	9.17
MW-2D	5.04	645.63	5.32
MW-2S	3.04	647.31	3.23
MW-3D	9.42	646.00	7.65
MW-3S	7.52	647.86	5.54
MW-4D	5.80	628.52	3.76
MW-4S	4.45	629.32	2.33
MW-5S	15.03	647.03	12.93
MW-6	no well	na	na

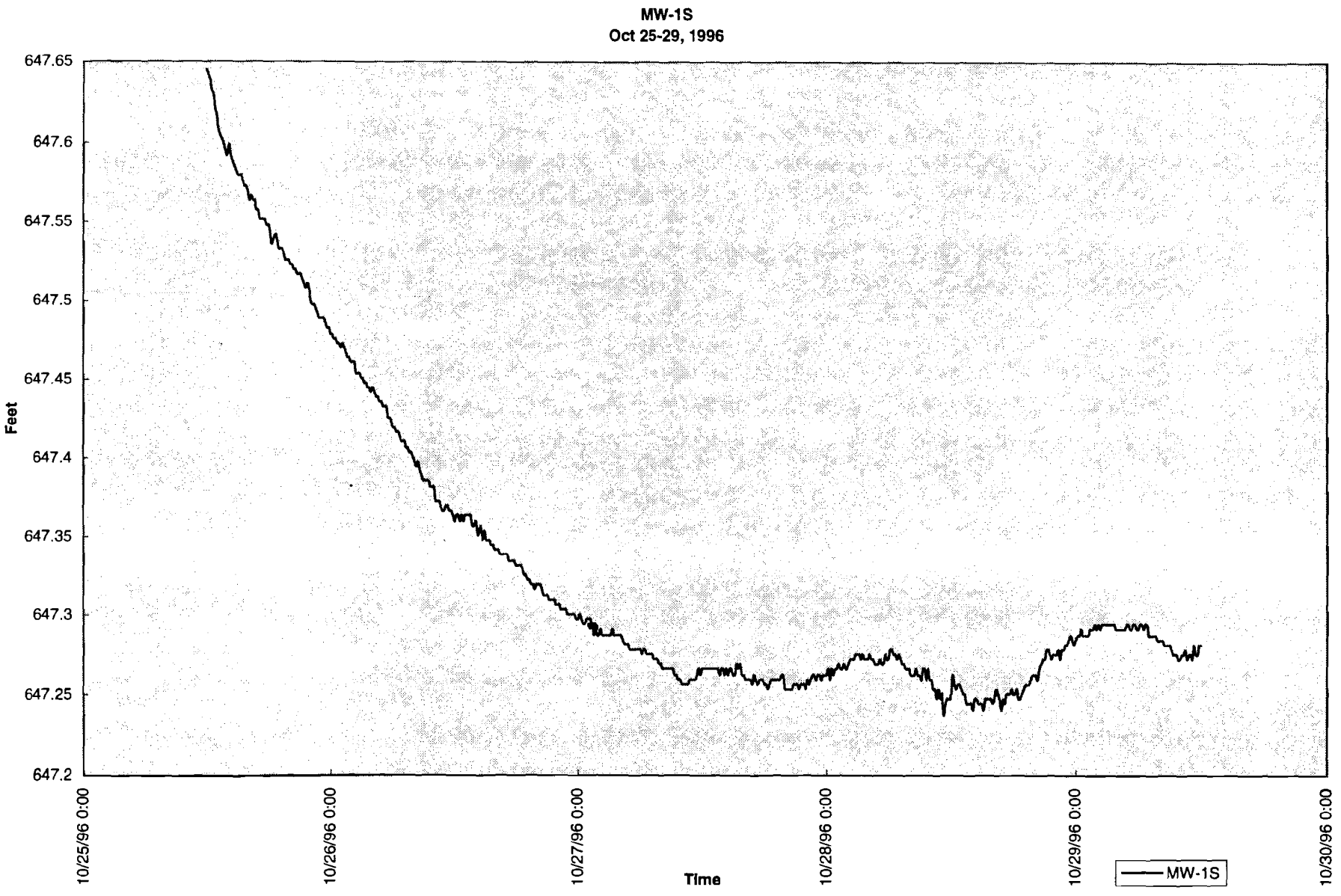
Groundwater Level Measurements
LaRussell's Cleaners Site
Novemeber 9, 1996

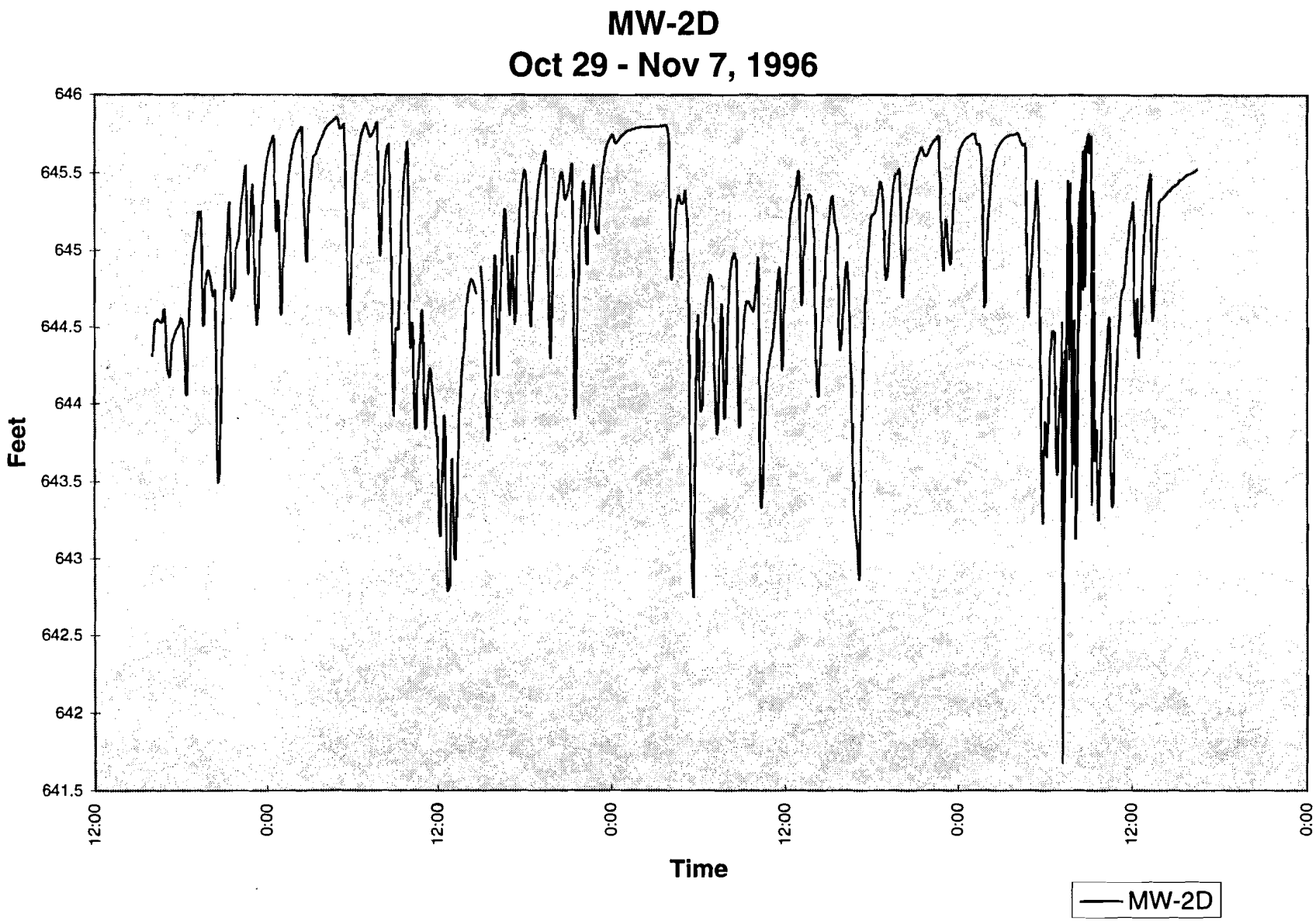
Well ID	Depth to Groundwater (feet)	Groundwater Elevation (feet amsl)	Depth Below Ground Surface (feet)
MW-1D	9.20	649.04	9.53
MW-1S	9.60	648.74	9.83
MW-2D	4.55	646.12	4.83
MW-2S	2.45	647.90	2.64
MW-3D	8.85	646.57	7.08
MW-3S	7.04	648.34	5.06
MW-4D	5.50	628.82	3.46
MW-4S	3.93	629.84	1.81
MW-5S	17.95	644.11	15.85
MW-6	no well	na	na

MW-1D Chart 1

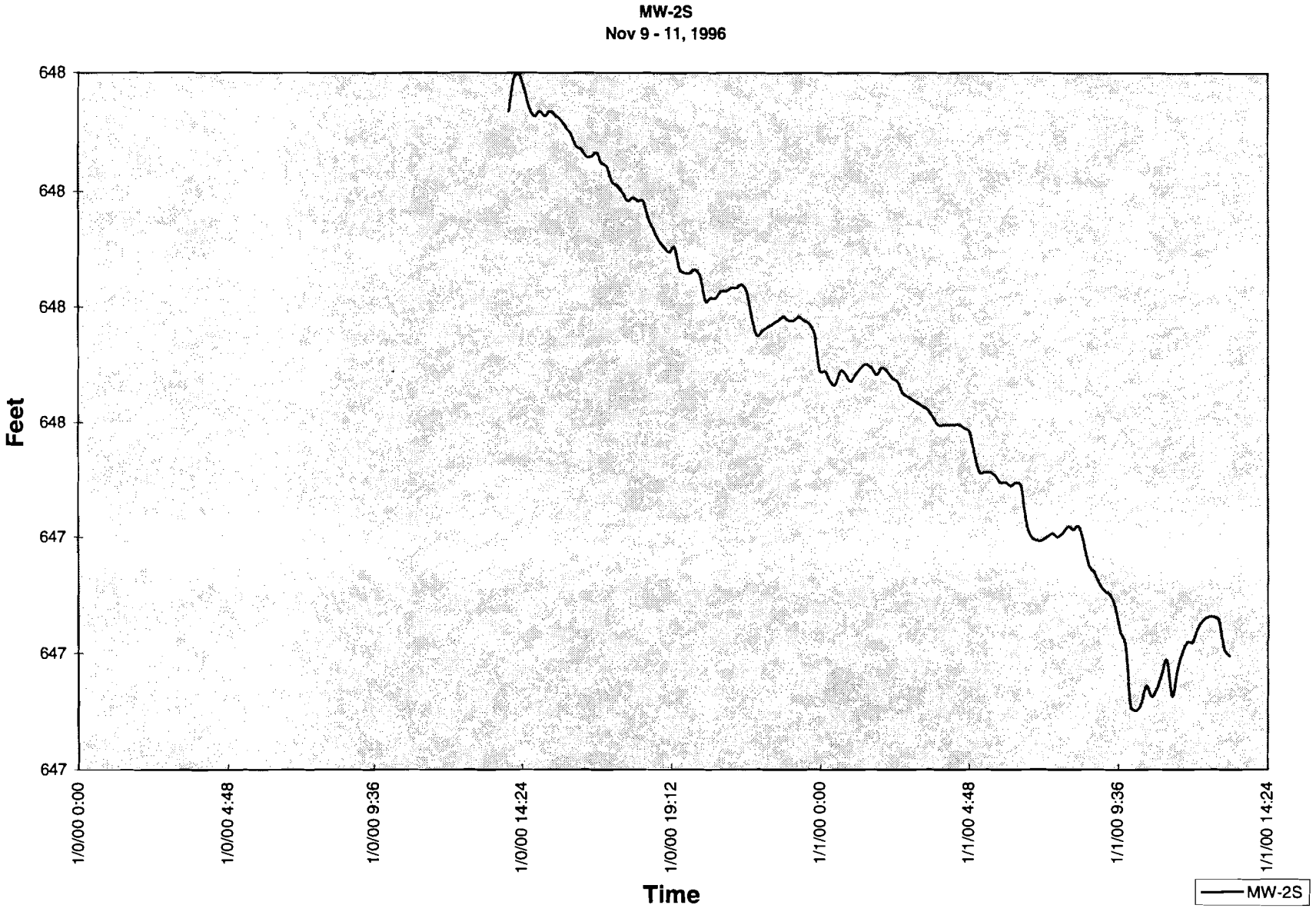

MW-1D
Oct 24 - Nov 9, 1996
649.6
649.4
649.2
649
648.8
648.6
648.4
648.2
648
647.8
Feet
10/24/96 0:00
10/26/96 0:00
10/28/96 0:00
10/30/96 0:00
11/1/96 0:00
11/3/96 0:00
11/5/96 0:00
11/7/96 0:00
11/9/96 0:00
Time
MW-1D

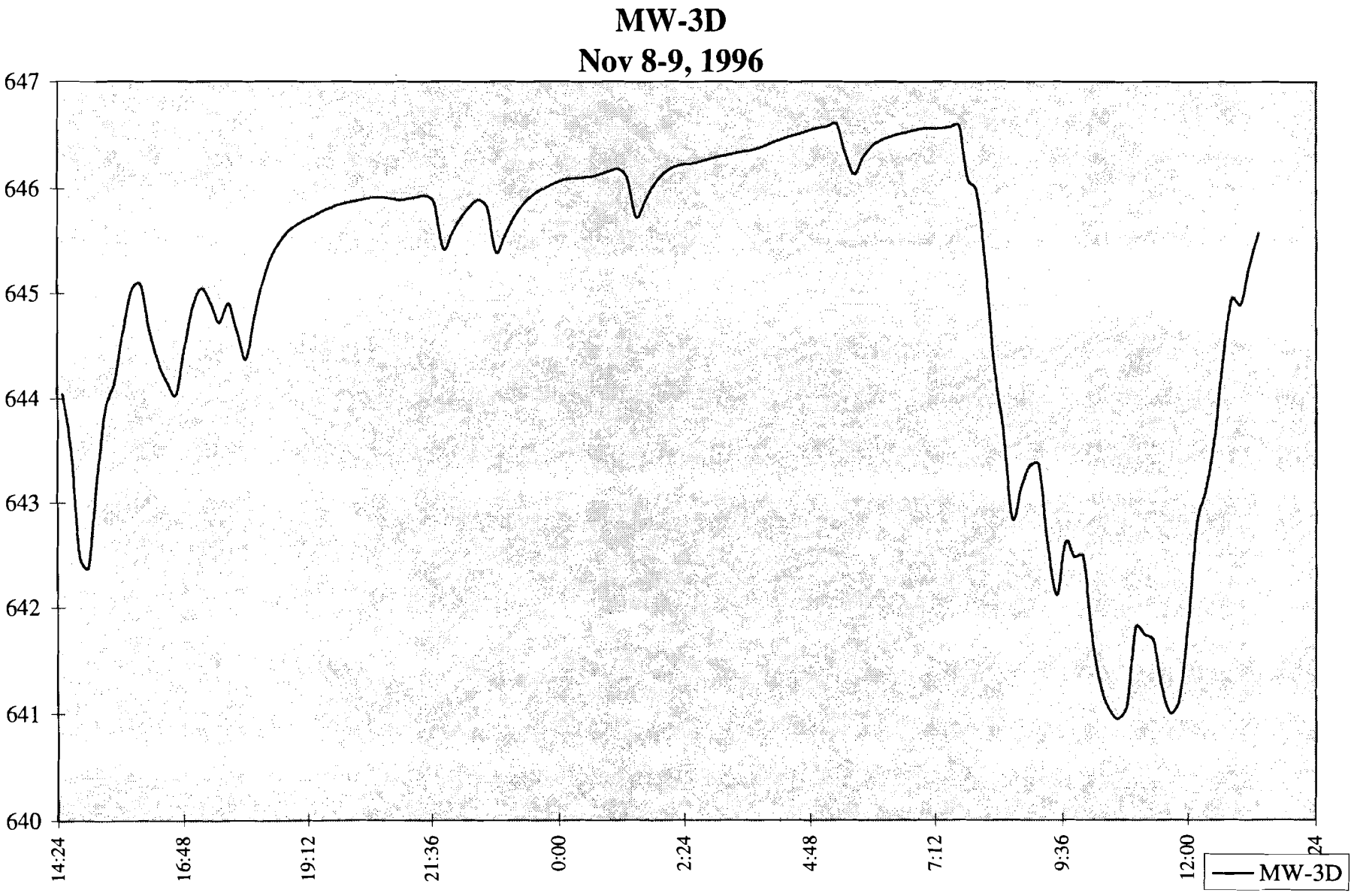
MW-1S Chart 1

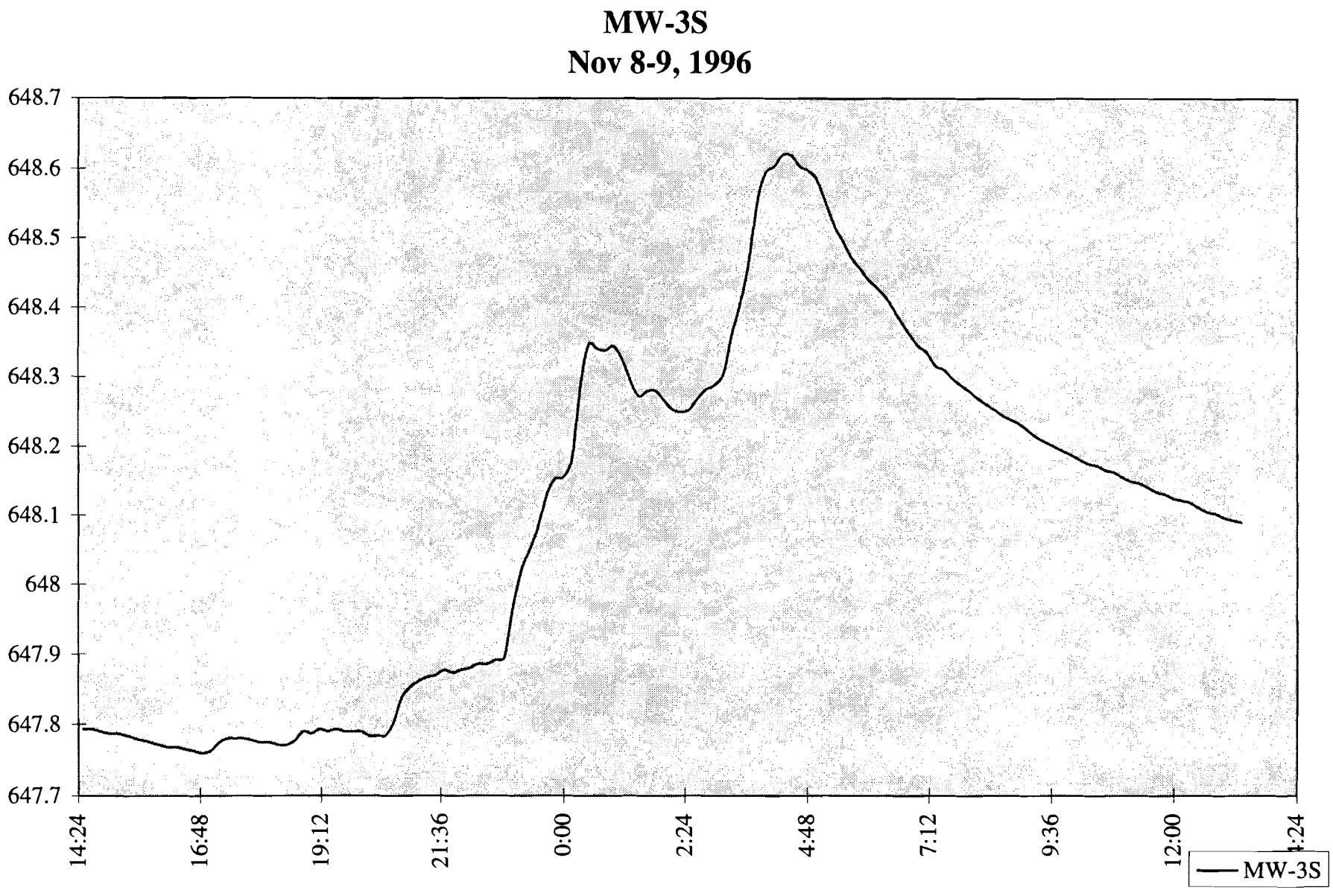

MW-1S
Oct 25-29, 1996
647.65
647.6
647.55
647.5
647.45
647.4
647.35
647.3
647.25
647.2
Feet
10/25/96 0:00
10/26/96 0:00
10/27/96 0:00
10/28/96 0:00
10/29/96 0:00
10/30/96 0:00
Time
MW-1S


MW-2D
Oct 29 - Nov 7, 1996
Feet
646
645.5
645
644.5
644
643.5
643
642.5
642
641.5
12:00
0:00
12:00
0:00
12:00
0:00
12:00
0:00
Time
MW-2D

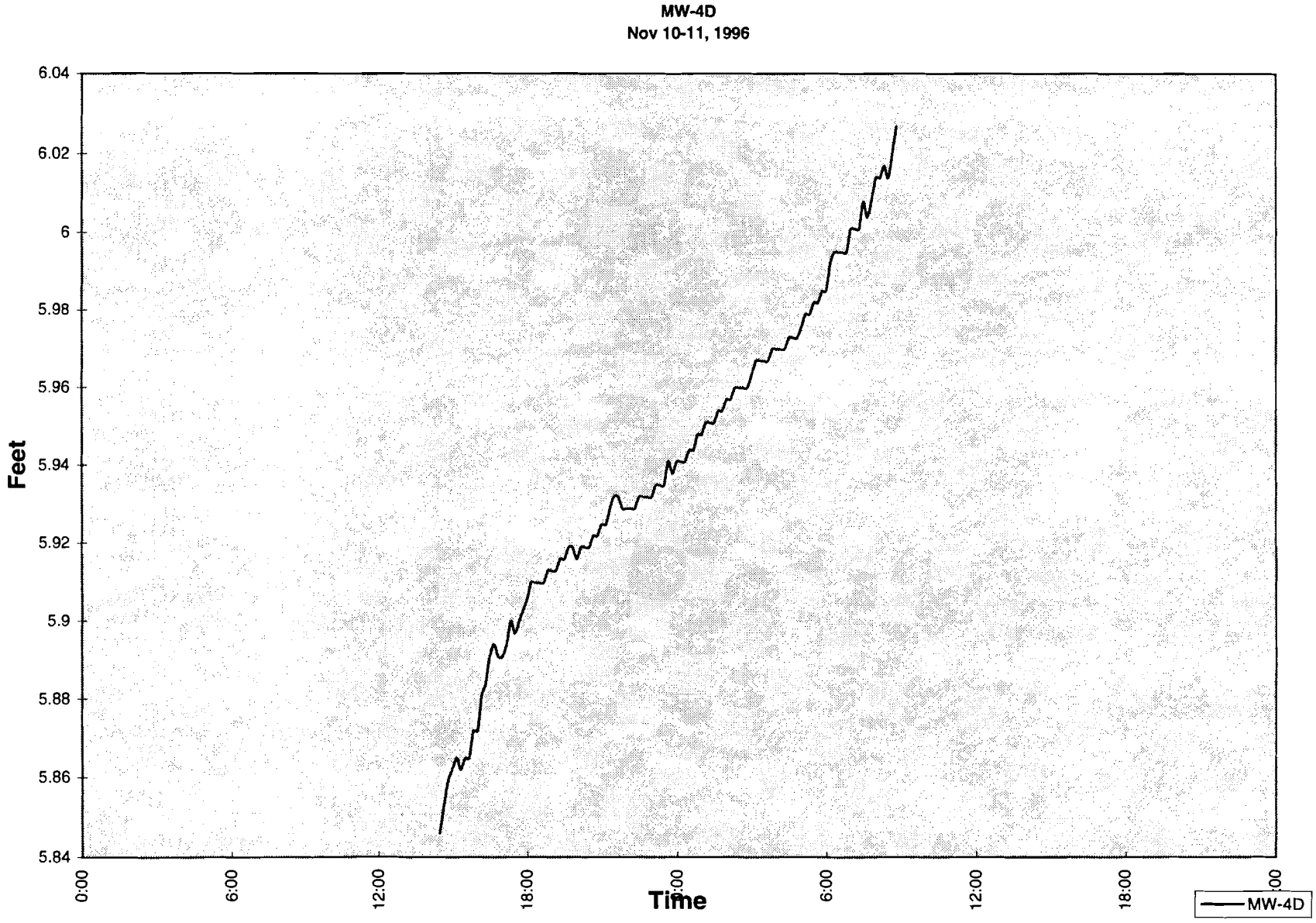
MW-2S Chart 1

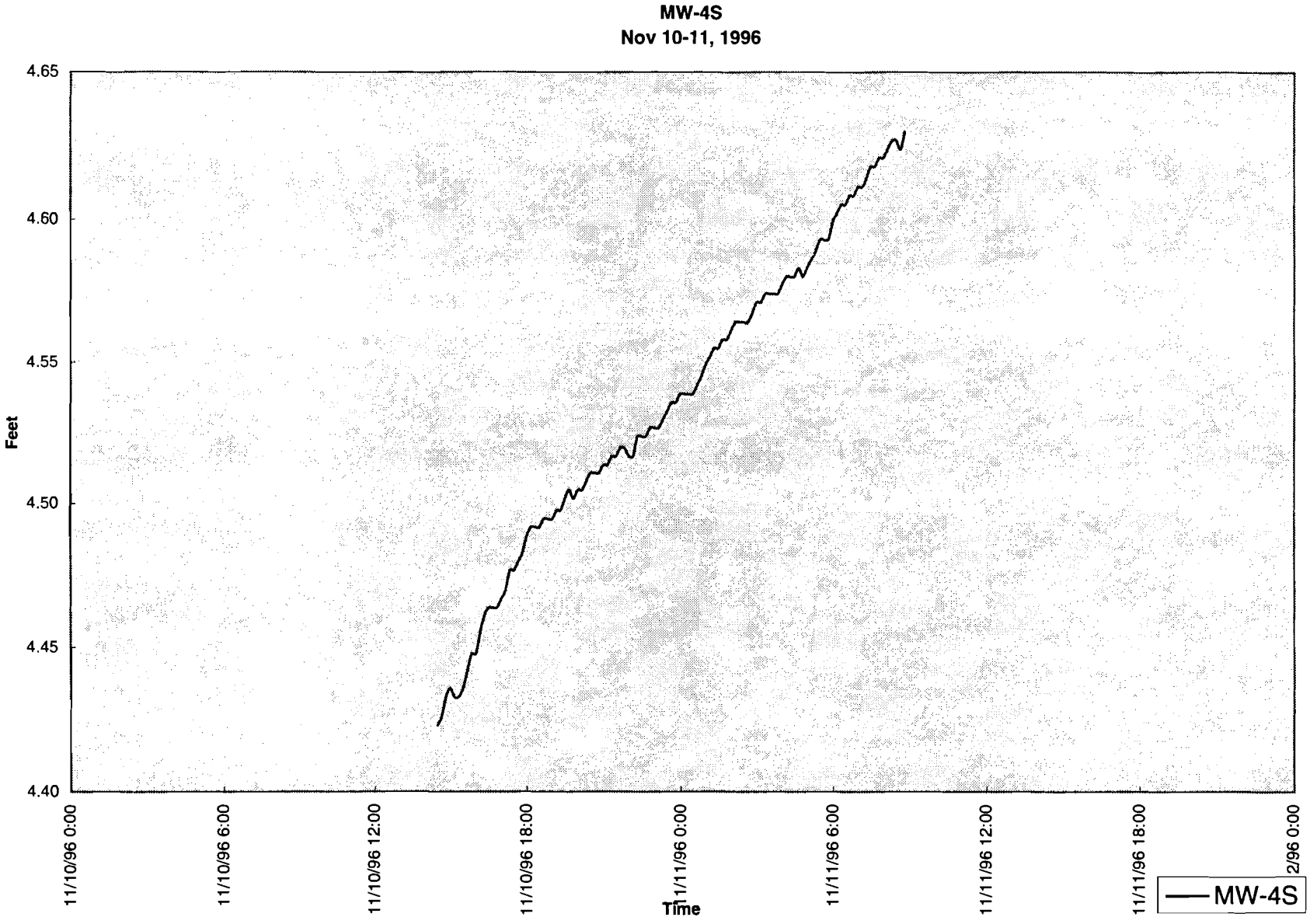

MW-2S
Nov 9 - 11, 1996
Feet
648
648
648
648
647
647
647
1/0/00 0:00
1/0/00 4:48
1/0/00 9:36
1/0/00 14:24
1/0/00 19:12
1/1/00 0:00
1/1/00 4:48
1/1/00 9:36
1/1/00 14:24
Time
MW-2S

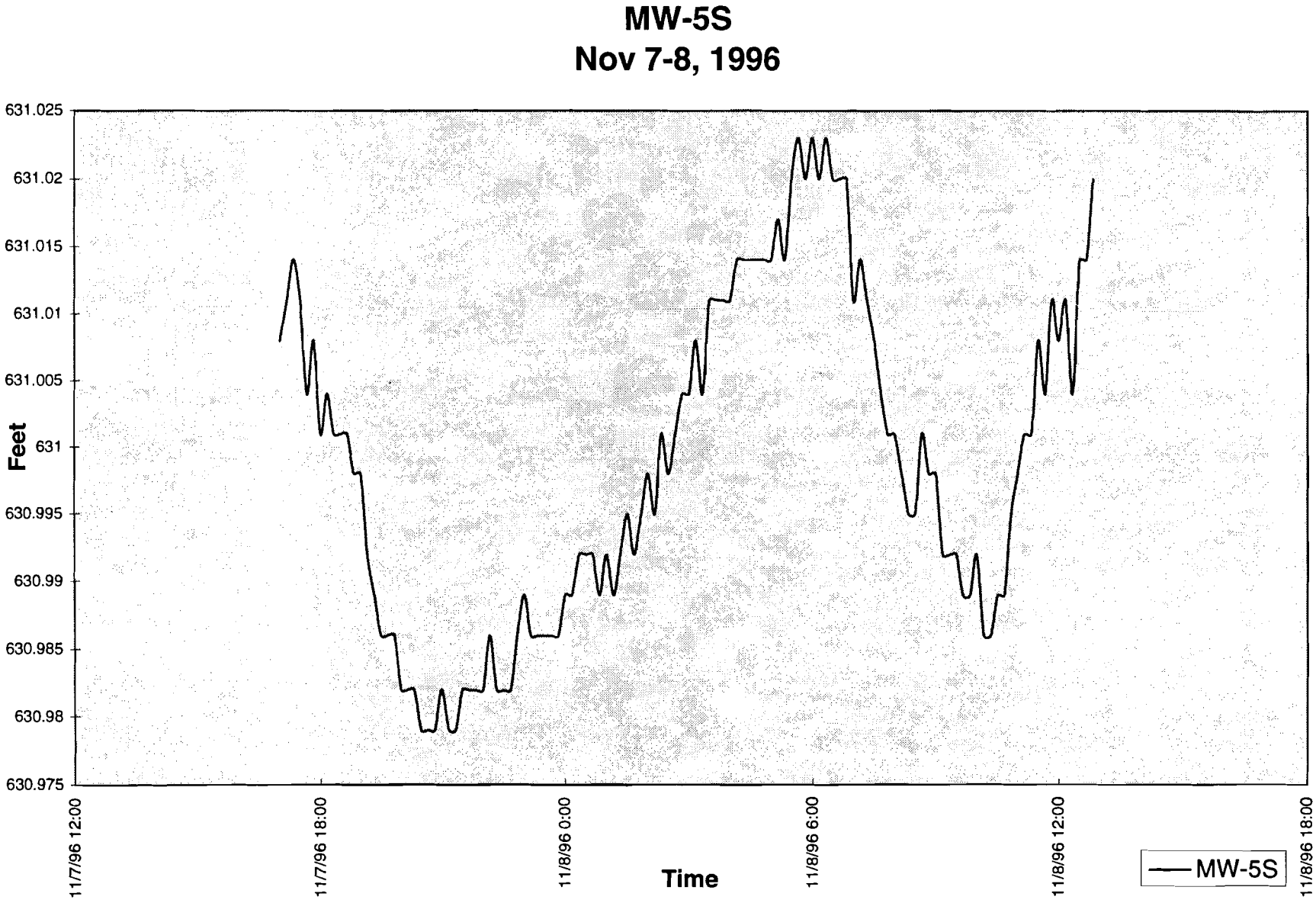

MW-3D
Nov 8-9, 1996
647
646
645
644
643
642
641
640
14:24
16:48
19:12
21:36
0:00
2:24
4:48
7:12
9:36
12:00
24
MW-3D


MW-3S
Nov 8-9, 1996
648.7
648.6
648.5
648.4
648.3
648.2
648.1
648
647.9
647.8
647.7
14:24
16:48
19:12
21:36
0:00
2:24
4:48
7:12
9:36
12:00
MW-3S

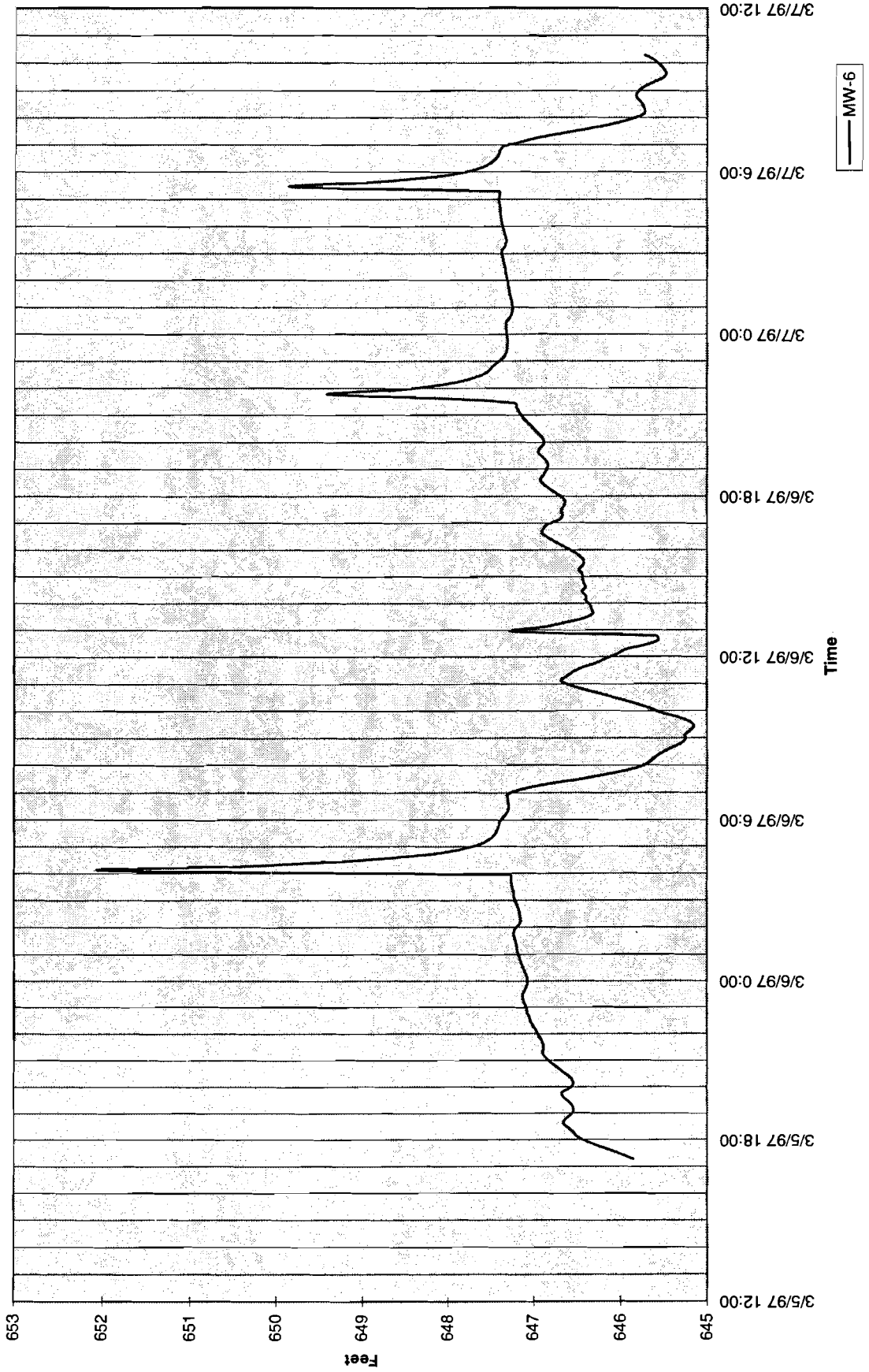
MW-4D Chart 1

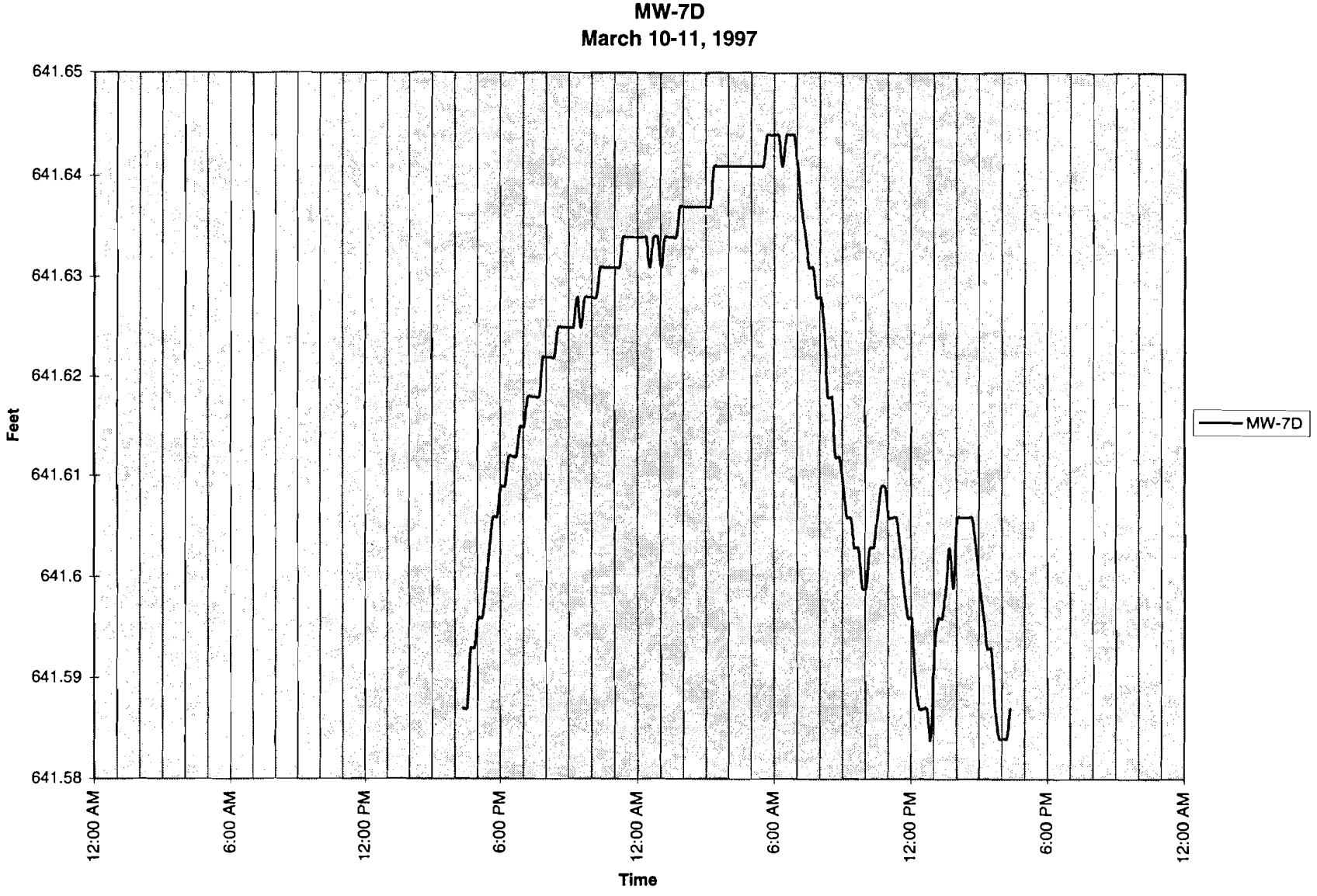

MW-4D
Nov 10-11, 1996
6.04
6.02
6
5.98
5.96
5.94
5.92
5.9
5.88
5.86
5.84
Feet
0:00
6:00
12:00
18:00
Time
6:00
12:00
18:00
MW-4D


MW-4S
Nov 10-11, 1996
4.65
4.60
4.55
4.50
4.45
4.40
Feet
11/10/96 0:00
11/10/96 6:00
11/10/96 12:00
11/10/96 18:00
11/11/96 0:00
11/11/96 6:00
11/11/96 12:00
11/11/96 18:00
2/96 0:00
Time
MW-4S

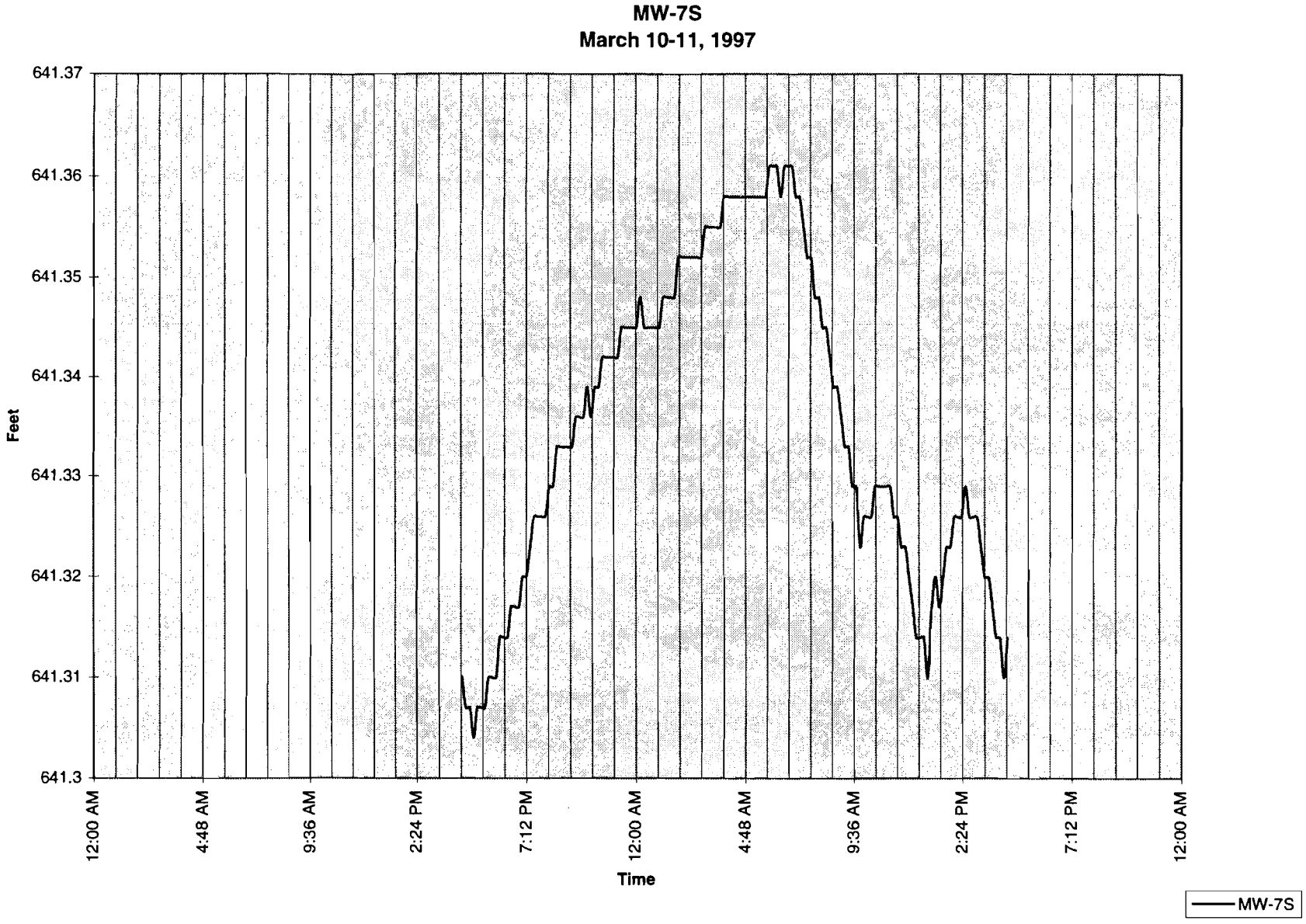

MW-5S
Nov 7-8, 1996
631.025
631.02
631.015
631.01
631.005
631
630.995
630.99
630.985
630.98
630.975
Feet
11/7/96 12:00
11/7/96 18:00
11/8/96 0:00
11/8/96 6:00
11/8/96 12:00
11/8/96 18:00
Time
MW-5S

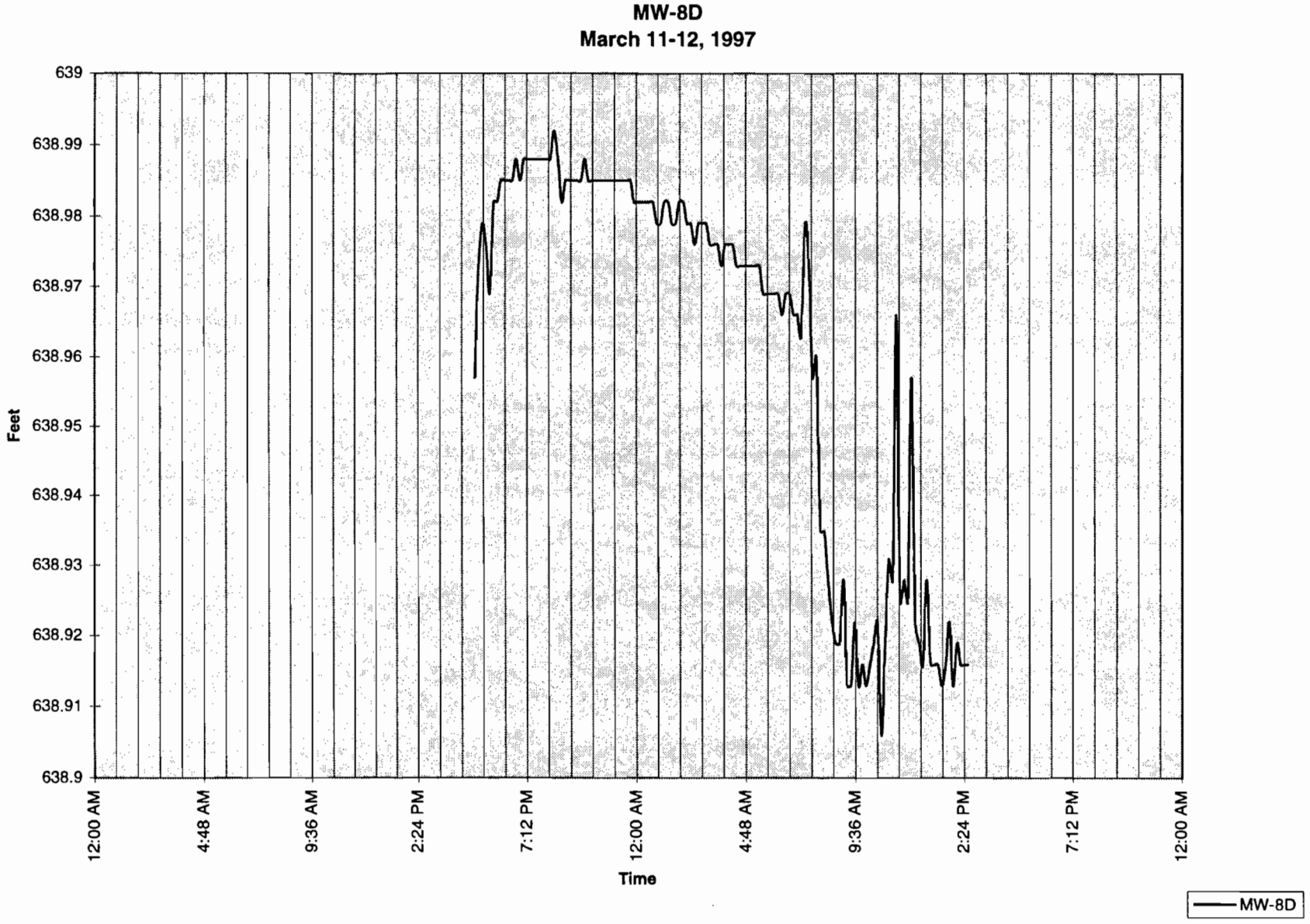
MW-6 Chart 1

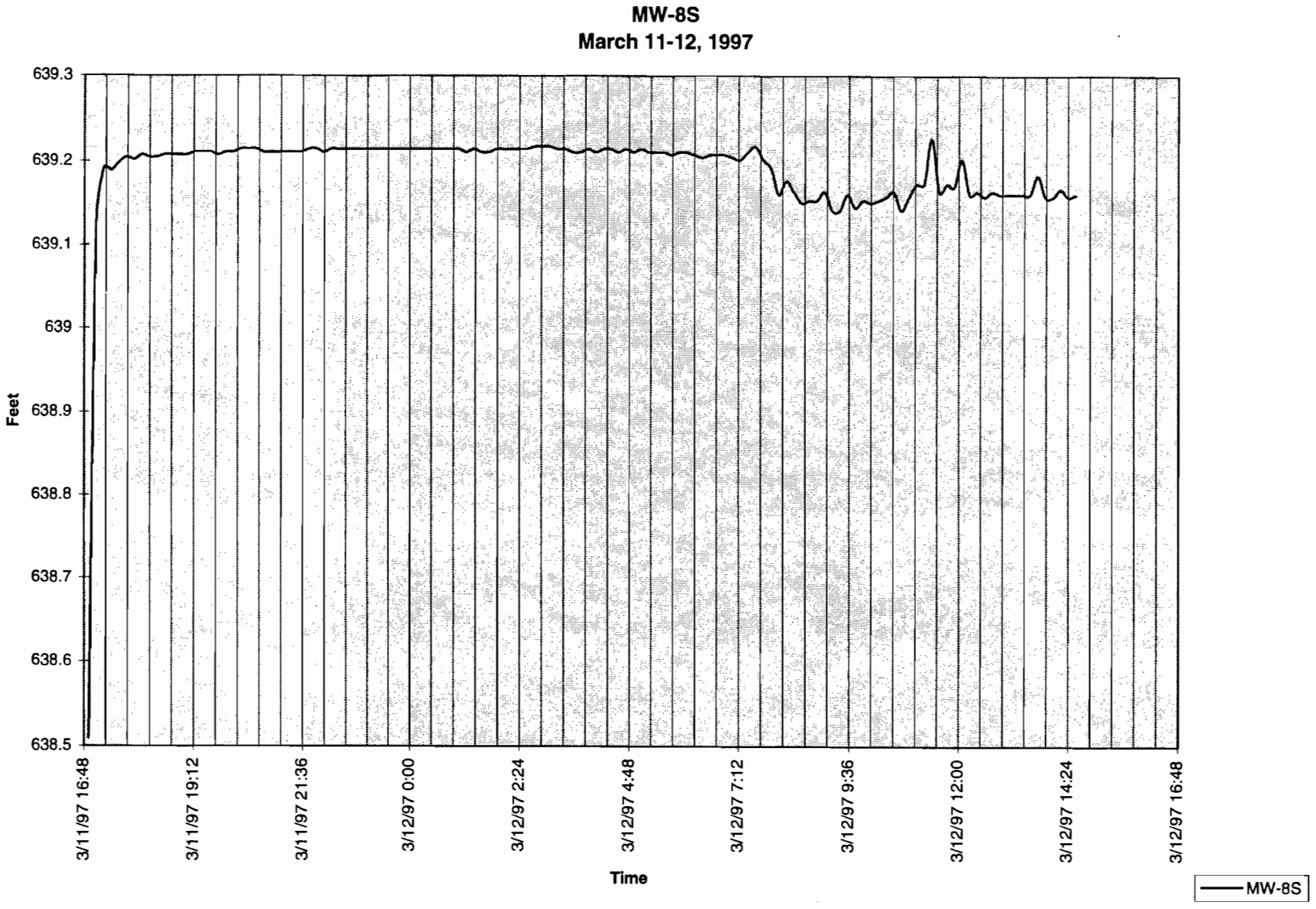

MW-6
March 5-7, 1997
Feet
653
652
651
650
649
648
647
646
645
3/5/97 12:00
3/5/97 18:00
3/6/97 0:00
3/6/97 6:00
3/6/97 12:00
3/6/97 18:00
3/7/97 0:00
3/7/97 6:00
3/7/97 12:00
Time
MW-6

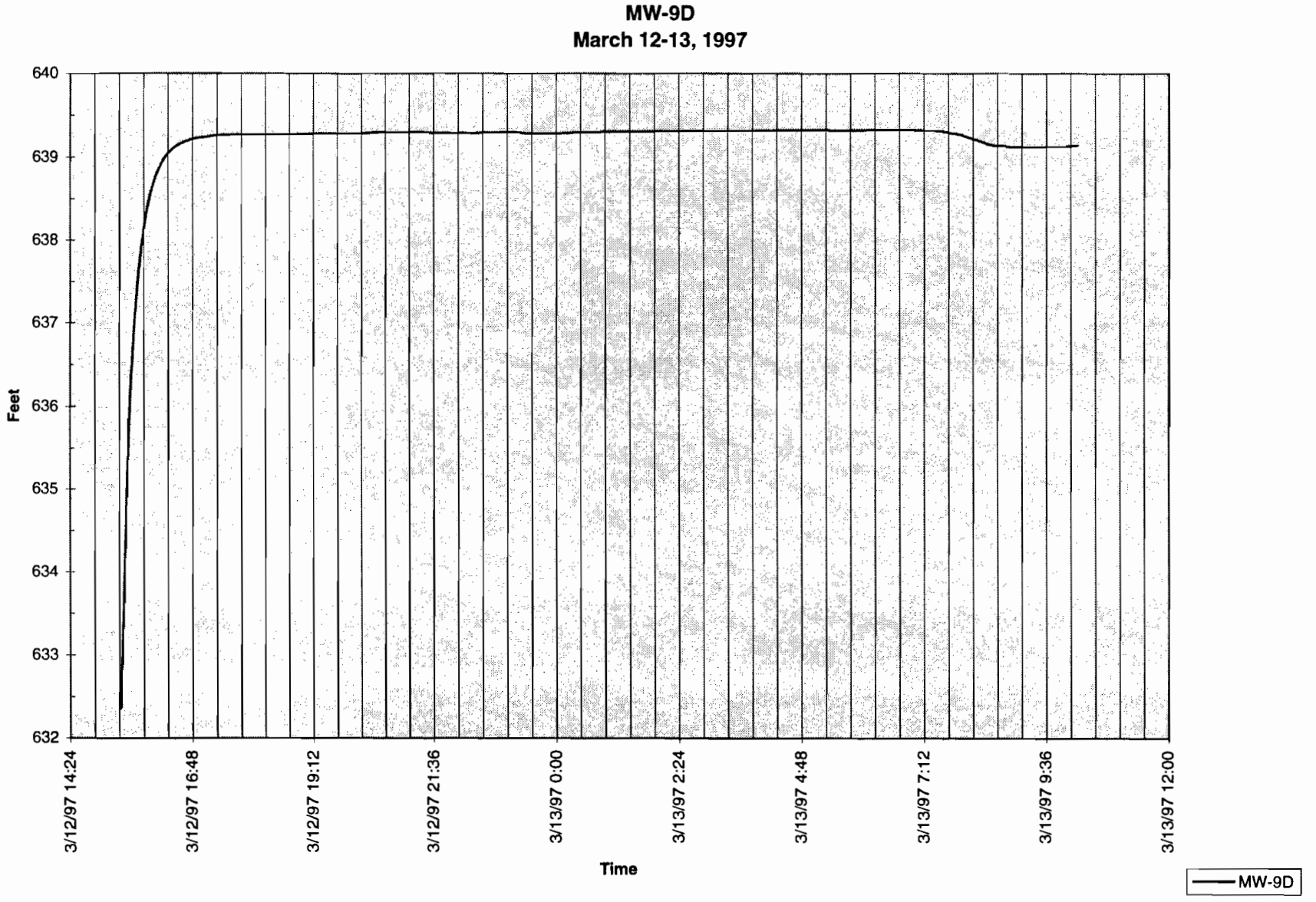

MW-7D
March 10-11, 1997
641.65
641.64
641.63
641.62
641.61
641.6
641.59
641.58
Feet
12:00 AM
6:00 AM
12:00 PM
6:00 PM
12:00 AM
6:00 AM
12:00 PM
6:00 PM
12:00 AM
Time
MW-7D

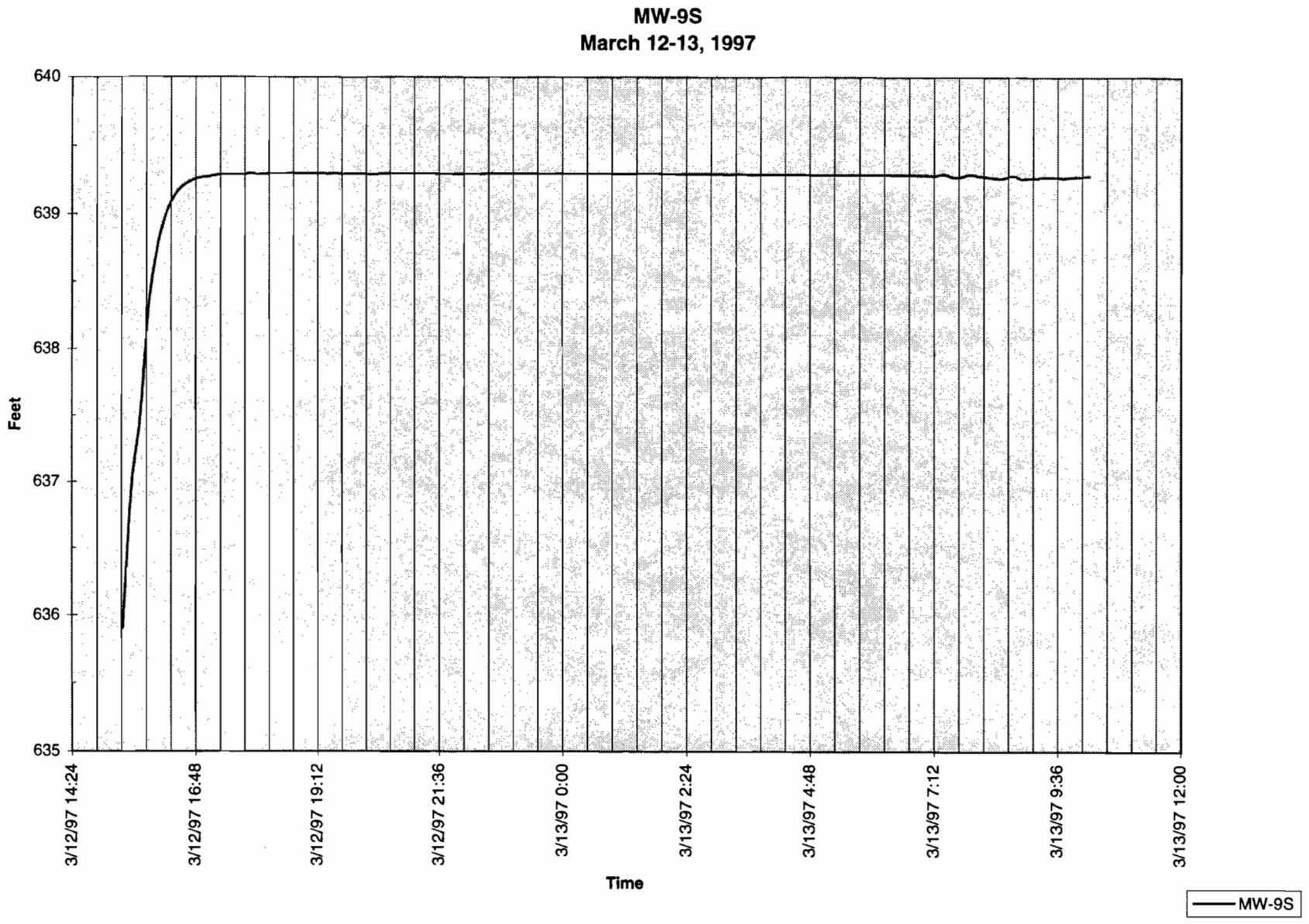
MW-7S Chart 1

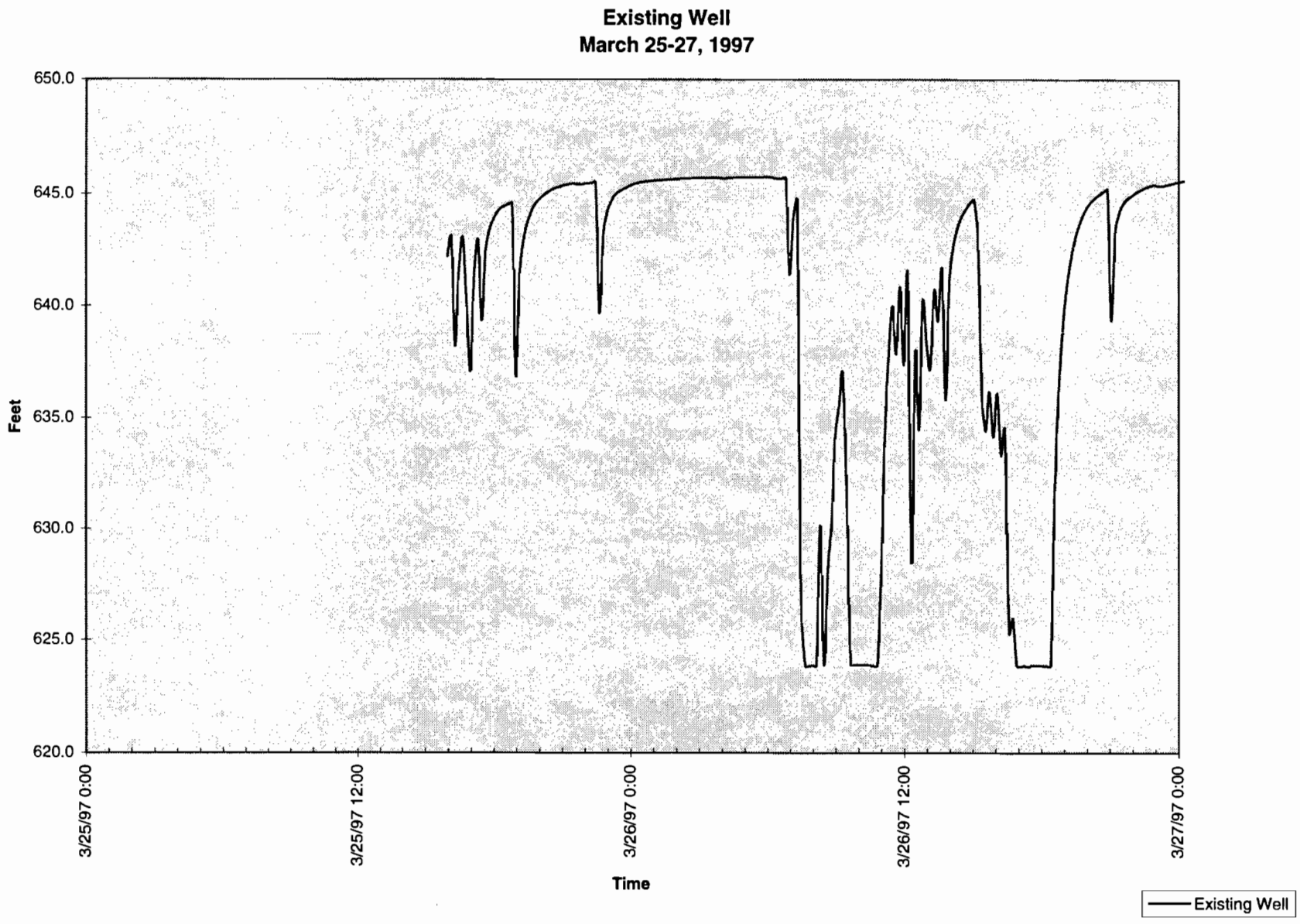

MW-7S
March 10-11, 1997
641.37
641.36
641.35
641.34
641.33
641.32
641.31
641.3
Feet
12:00 AM
4:48 AM
9:36 AM
2:24 PM
7:12 PM
12:00 AM
4:48 AM
9:36 AM
2:24 PM
7:12 PM
12:00 AM
Time
MW-7S

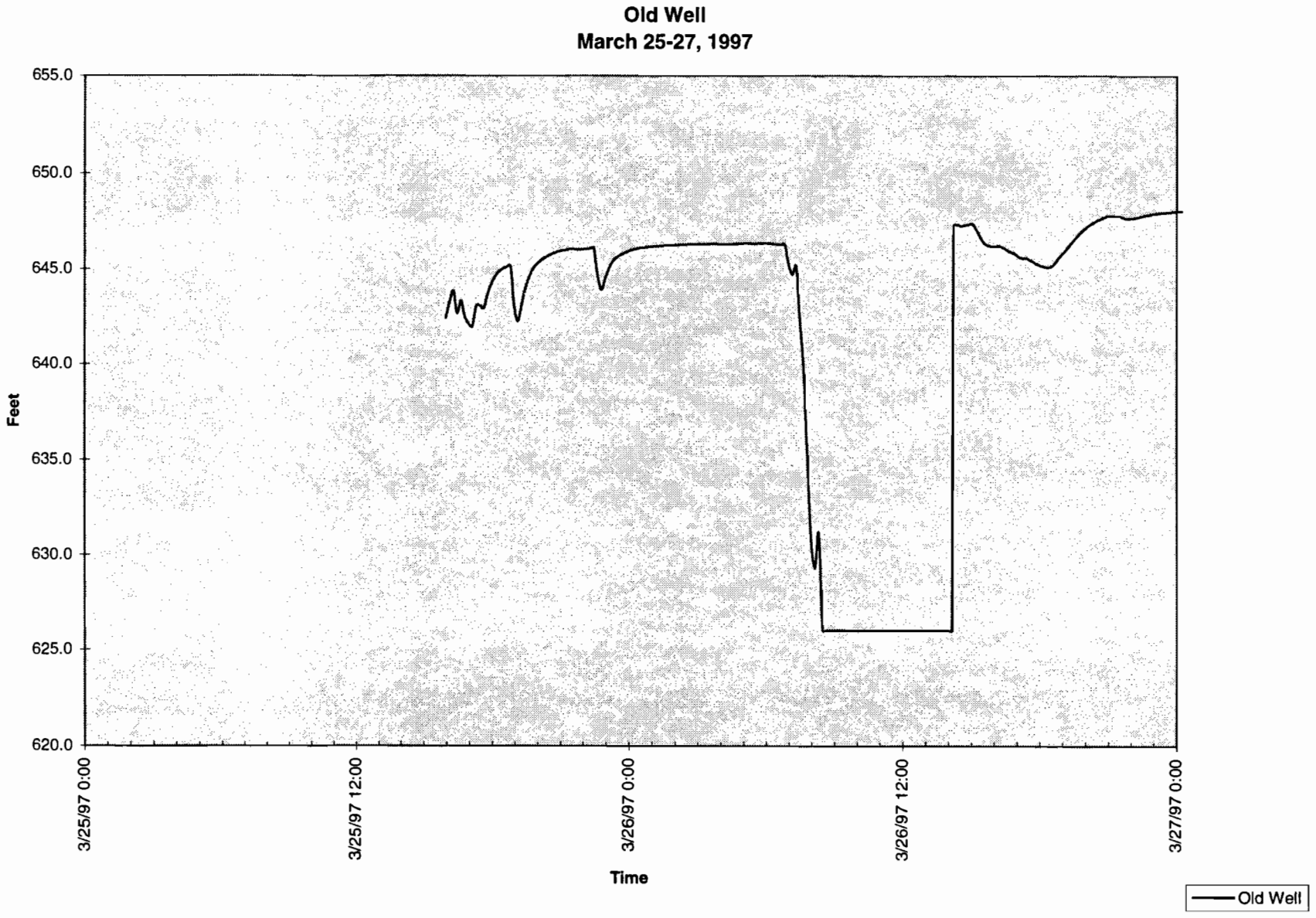

MW-8D
March 11-12, 1997
639
638.99
638.98
638.97
638.96
638.95
638.94
638.93
638.92
638.91
638.9
Feet
12:00 AM
4:48 AM
9:36 AM
2:24 PM
7:12 PM
12:00 AM
4:48 AM
9:36 AM
2:24 PM
7:12 PM
12:00 AM
Time
MW-8D


MW-8S
March 11-12, 1997
639.3
639.2
639.1
639
638.9
638.8
638.7
638.6
638.5
Feet
3/11/97 16:48
3/11/97 19:12
3/11/97 21:36
3/12/97 0:00
3/12/97 2:24
3/12/97 4:48
3/12/97 7:12
3/12/97 9:36
3/12/97 12:00
3/12/97 14:24
3/12/97 16:48
Time
MW-8S


MW-9D
March 12-13, 1997
640
639
638
637
636
635
634
633
632
Feet
3/12/97 14:24
3/12/97 16:48
3/12/97 19:12
3/12/97 21:36
3/13/97 0:00
3/13/97 2:24
3/13/97 4:48
3/13/97 7:12
3/13/97 9:36
3/13/97 12:00
Time
MW-9D


MW-9S
March 12-13, 1997
640
639
638
637
636
635
Feet
3/12/97 14:24
3/12/97 16:48
3/12/97 19:12
3/12/97 21:36
3/13/97 0:00
3/13/97 2:24
3/13/97 4:48
3/13/97 7:12
3/13/97 9:36
3/13/97 12:00
Time
MW-9S


Existing Well
March 25-27, 1997
650.0
645.0
640.0
635.0
630.0
625.0
620.0
Feet
3/25/97 0:00
3/25/97 12:00
3/26/97 0:00
3/26/97 12:00
3/27/97 0:00
Time
Existing Well


Old Well
March 25-27, 1997
655.0
650.0
645.0
640.0
635.0
630.0
625.0
620.0
Feet
3/25/97 0:00
3/25/97 12:00
3/26/97 0:00
3/26/97 12:00
3/27/97 0:00
Time
Old Well

APPENDIX D

SAMPLE INFORMATION RECORDS

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: Divine & Builders

Project Name / Number: LaRussell (1397) Cleaners

Turn-Around Time
- [x] - Standard Service
- [ ] - * Rush Service

Date requested by: _____

Ph # (315) - 437 1142

Fax # (315) - 437 1282

Page 1 of 1

Send Report to: Gerry Gould
PO Box 56
5879 Esker Road
Syracuse, NY 13057

Send Invoice to: Same (as Report)

P.O. # _____

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: Asp 91-1	Iron / manganese
MW-7D *	3/25/97	920		✓	✓				✓	✓
MW-7S *	3/25/97	815		✓	✓				✓	✓
MW-6	3/24/97	945		✓	✓				✓	✓
MW-5	3/24/97	1105		✓	✓				✓	✓
MW-4S *	3/25/97	955		✓	✓				✓	✓
MW-4D *	3/25/97	925		✓	✓				✓	✓
MW 4D MS *	3/25/97	925		✓	✓				✓	✓
MW-4D MSD *	3/25/97	925		✓	✓				✓	✓
MW-3D	3/25/97	305		✓	✓				✓	✓
MW-3S *	3/25/97	256		✓	✓				✓	✓
MW-2D	3/24/97	335		✓	✓				✓	✓
MW-2S *	3/24/97	410		✓	✓				✓	✓

Total Containers - 13

REMARKS: (Trip Blank 3/25/97 Asp 91-1)
((*) indicates matrix sample taken following day)

Shipped in Cooler D077

SAMPLER'S NAME: Keith Robins **SIGNATURE:** Keith Robins

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Keith Robins	DATE: 3/25/97	NAME:	DATE:
SIGNATURE: Keith Robins	TIME: 5:00pm	SIGNATURE:	TIME:
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE: TIME:
SIGNATURE:	TIME:		
NAME:	DATE:	Received For Laboratory By: (Signature)	DATE: TIME:
SIGNATURE:	TIME:		

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.

Shipment Complete? ☐ Yes ☐ No

Temp _____ °C TS TB TM

Airbill #

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: Divirka & Bartilucci

Project Name / Number: CaRussell Cleaners (1397)

-Around Time
[✓] - Standard Service
☐ - * Rush Service
Date requested by:
Ph # (315) - 437 - 1142
Fax # (315) - 437 - 1782

Page 1 of 1

Send Report to: Gerry Gould, P.O. Box 56, 5879 Fisher Road, Syracuse NY 13057

Send Invoice to: Same (as Report)

P.O. #

Chain of Custody Record

SAMPLE ID	Date	Time	Comp.	Grab	Aqueous	Soil	Other	Laboratory ID Number	ASP 91-1	Iron / Manganese								
MW-1S *	[illegible]	150		✓	✓				✓	✓								
MW-1D	[illegible]	120		✓	✓				✓	✓								
MW-8S *	[illegible]	[illegible]		✓	✓				✓	✓								
MW-8D	[illegible]	455		✓	✓				✓	✓								
MW-9S *	[illegible]	540		✓	✓				✓	✓								
MW-9D *	[illegible]	1534		✓	✓				✓	✓								
SW-1	[illegible]	1000		✓	✓				✓									
SD-1	3/11/97	1000		✓		✓			✓									
SD-2	[illegible]	1050		✓		✓			✓									
SD-3	3/25/97	1010		✓		✓			✓									
SD-3 MS	[illegible]	1010		✓		✓			✓									
SD-3 MSD	[illegible]	1010		✓		✓			✓									

Total Containers -

REMARKS:
(TRIP Blank ASP-91-1)
((*) indicates metals sample collected following day)
(Shipped in 4 quart Colemane Blue Cooler)

SAMPLER'S NAME: Keith Robins SIGNATURE: Keith Robins

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Keith Robins SIGNATURE: Keith Robins	DATE: 3/25/97 TIME: 2:00 pm	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ *Yes* ☐ *No* ☐ *N.A.*
Shipment Complete? ☐ *Yes* ☐ *No*

Temp _____ °C TS TB TM

Airbill #

FedEx
Federal Express

MULTIPLE PACKAGE SHIPMENT LABELS

Tracking Number 3476970733

671456

Sender's Copy 00003700025

SHIPMENT DATE	3/25/97
MASTER AIRBILL NUMBER	3476970733

2 OF 2 — 965891520 1

DESCRIPTION

OF — 965891521 7

DESCRIPTION

OF — 965891522 6

DESCRIPTION

OF — 965891523 5

DESCRIPTION

OF — 965891524 4

DESCRIPTION

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ıber 1245-6133-7

Phone (315) 437-1142

Dept./Floor/Suite/Room

State NY Zip 13057

1397-2X

ratories

trol Phone (315) 432-0506

Dept./Floor/Suite/Room

tories

ville Road East

ot Deliver to P.O. Boxes or P.O. Zip Codes)

State NY Zip 13057

cations)

For Saturday Delivery check here

☐ (Extra Charge. Not available to all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

ctual loss in a timely manner. Your right to recover from us for any loss includes intrinsic alue of the package, loss of sales, interest, profit, attorney's fees, costs, and other forms f damage, whether direct, incidental, consequential, or special, and is limited to the reater of $100 or the declared value but cannot exceed actual documented loss. The aximum declared value for any FedEx Letter and FedEx Pak is $500. Federal Express ay, upon your request, and with some limitations, refund all transportation charges paid. See the FedEx Service Guide for further details.

4a Express Package Service *Packages under 150 lbs.* — Delivery commitment may be later in some areas.

☑ FedEx Priority Overnight (Next business morning) ☐ FedEx Standard Overnight (Next business afternoon) ☐ FedEx 2Day* (Second business day)

☐ NEW FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)

* FedEx Letter Rate not available. Minimum charge: One pound FedEx 2Day rate.

4b Express Freight Service *Packages over 150 lbs.* — Delivery commitment may be later in some areas.

☐ FedEx Overnight Freight (Next business-day service for any distance) ☐ FedEx 2Day Freight (Second business-day service for any distance) ☐ FedEx Express Saver Freight (Up to 3 business-day service based upon distance)

(Call for delivery schedule. See back for detailed descriptions of freight products.)

5 Packaging ☐ FedEx Letter ☐ FedEx Pak (Declared value limit $500) ☐ FedEx Box ☐ FedEx Tube ☑ Other Pkg.

6 Special Handling

Does this shipment contain dangerous goods? ☐ Yes (As per attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

☐ Dry Ice — Dry Ice, 9, UN 1845 III ____ x ____ kg, 904 (Dangerous Goods Shipper's Declaration not required)

CA ☐ Cargo Aircraft Only

7 Payment

Bill to: ☑ Sender (Account no. in section 1 will be billed) ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check (Enter FedEx account no. or Credit Card no. below)

FedEx Account No. ____

Credit Card No. ____ Exp. Date ____

Total Packages	Total Weight	Total Declared Value*	Total Charges
2	85	$ NA .00	$

* When declaring a value higher than $100 per shipment, you pay an additional charge. See **SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY** section for further information

8 Release Signature *Sign to authorize delivery without obtaining signature*

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.

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The World On Time®

LaRussell's Cleaners Groundwater Samples

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. SW-1 / SD-1

FIELD SAMPLE I.D. NUMBER SW-1 DATE 3/25/97

TIME 10:00 WEATHER M. cloudy TEMPERATURE 34° F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT ✓

SURFACE WATER/STREAM ✓ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL _____ MEASUREMENT METHOD _____

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: TCL + 10 (91 ASP-1)

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE Caffussell's Cleaners SAMPLE CREW K Robins / Gerry Gould

SAMPLE LOCATION/WELLNO. SD-2

FIELD SAMPLE I.D. NUMBER SD-2 DATE 3/25/92

TIME 1050am WEATHER cloudy TEMPERATURE 40

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT X

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER X MEASUREMENT METHOD X

DEPTH OF WELL X MEASUREMENT METHOD X

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR none

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: Asp 91-1 (VOCs)

REMARKS: _____

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell's Cleaners SAMPLE CREW K. Robins / Gerry Gould

SAMPLE LOCATION/WELLNO. SD-3

FIELD SAMPLE I.D. NUMBER SD-3 DATE 3/25/97

TIME 1010 WEATHER Cloudy TEMPERATURE 40°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT ✓

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER X MEASUREMENT METHOD _____

DEPTH OF WELL X MEASUREMENT METHOD X

VOLUME REMOVED X REMOVAL METHOD X

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR None

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: ASP-91-1 (VOCs)

REMARKS: Collected MS/MSD

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW G-Gould

SAMPLE LOCATION/WELLNO. MW-18D

FIELD SAMPLE I.D. NUMBER MW-18D DATE 3/24/97

TIME 1200 hrs WEATHER Cool, sunny TEMPERATURE 45

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 10.10 MEASUREMENT METHOD WL Tape

DEPTH OF WELL 400 MEASUREMENT METHOD WL Tape

VOLUME REMOVED 30 15 gallons REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: TCL+TO Fe, Mn

ASP 91-1

REMARKS: Gallons pH Temp Cond Turb

Initial	9.88	9.2	.236	37
5	7.56	10.0	.216	33
10	6.64	11.1	.492	21
15	6.68	11.2	.503	15

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-105

FIELD SAMPLE I.D. NUMBER MW-105 DATE 3/24/97

TIME 150 pm WEATHER Cool Sunny TEMPERATURE 45°C

metals 7:38 on 3/25/97

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 9.81 MEASUREMENT METHOD Tape

DEPTH OF WELL 20.50 MEASUREMENT METHOD Tape

10.69

VOLUME REMOVED 6gals REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: (TCL+10 / ASP 91-1) Fe, Mn Collected on 3/25/97

REMARKS:

Gallons	pH	temp	cond	Turb		
initial	6.71	8.3	.765	615	(orange color)	
2	6.69	8.6	.873	670	Brown-orange	
4	6.67	8.6	.924	687	4	4
6	6.68	8.6	.940	731	4	4

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-2D

FIELD SAMPLE I.D. NUMBER MW-2D DATE 3/24/97

TIME 335 pm WEATHER Sunny / warm TEMPERATURE 50°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 7.4 MEASUREMENT METHOD tape

DEPTH OF WELL 50.0 MEASUREMENT METHOD tape

VOLUME REMOVED 21 gals REMOVAL METHOD Pump

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: TCL+10 ASP 91-1 Fe, Mn

REMARKS:

Gallons	ph	Temp	Cond	Turb
Initial	7.68	11.2	.381	48
7	6.68	11.4	.398	41
14	6.61	11.5	.395	10
21	6.65	11.4	.397	10

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. MW-25

FIELD SAMPLE I.D. NUMBER MW-25 DATE 3/24/97

TIME 4:10pm WEATHER Sunny/warm TEMPERATURE 50°F

metals collected at 7:30 on 3/25/97

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 3.55 MEASUREMENT METHOD _____

DEPTH OF WELL 15.5 / 12 MEASUREMENT METHOD _____

VOLUME REMOVED 6 gals REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH 6.55 ODOR _____

TEMPERATURE (~~°F~~) 6.3°C SPECIFIC CONDUCTANCE (umhos/cm) .440 mS/cm

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

TCL+10 (ASP 91-1) Fe, Mn

REMARKS:

Gallons	pH	Temp°C	Cond	Turb	
Initial	6.58	6.6	.435	999	Brown
2	6.64	6.5	.420	999	Brown
4	6.60	6.4	.423	999	Brown
6	6.55	6.3	.440	555	Brown

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-3D

FIELD SAMPLE I.D. NUMBER MW-3D DATE 3/24/97

TIME 15:25 WEATHER Sunny/cool TEMPERATURE 45°

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT

SURFACE WATER/STREAM AIR

SOIL OTHER (Describe, i.e., septage, leachate)

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 14.99 MEASUREMENT METHOD

DEPTH OF WELL 57.5 MEASUREMENT METHOD

VOLUME REMOVED 21 gals REMOVAL METHOD

FIELD TEST RESULTS:

COLOR clear pH 6.98 ODOR none

TEMPERATURE (°F) 11.5°C SPECIFIC CONDUCTANCE (umhos/cm) 1.21 mS/cm

OTHER (OVA, Methane meter, etc.)

CONSTITUENTS SAMPLED: TCL+10 Fe, Mn

(ASP 91-1)

REMARKS:

Gallons	ph	temp	Cond	Turbidity	pumped dry to 30' several times
1 start	11.77	11.6	.65	141	
7	9.55	11.2	1.08	11	
14	6.98	11.5	1.21	1 into	
21	—	—	—	—	

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-35

FIELD SAMPLE I.D. NUMBER MW-35 DATE 3/27/97

TIME 14:36 WEATHER Sunny/cool TEMPERATURE 45°

1515 metals

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 7.75 MEASUREMENT METHOD tape

DEPTH OF WELL 16.9 MEASUREMENT METHOD _____

VOLUME REMOVED 5 gals REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) orange water at first, then clearing

CONSTITUENTS SAMPLED: (TCL + 10 / ASP 91-1) Fe, Mn

REMARKS: metals sampled at 1535

Gallons	pH	T°F	Cond	Turb
Initial	8.26	7.7	2.2 mS/cm	390 NTU
2	8.01	7.8	2.11 mS/cm	340 NTU
6	6.93	7.3	1.84 mS/cm	140 NTU

WELL CASING VOLUMES

GAL/FT			
1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELL NO. MW-4D

FIELD SAMPLE I.D. NUMBER MW-4D DATE 3/25/97

TIME 925 am WEATHER cloudy, breezy TEMPERATURE 37° F

metals 325

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT

SURFACE WATER/STREAM AIR

SOIL OTHER (Describe, i.e., septage, leachate)

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 6.21 MEASUREMENT METHOD tape

DEPTH OF WELL 31.3 MEASUREMENT METHOD "

VOLUME REMOVED 13 gals REMOVAL METHOD

FIELD TEST RESULTS:

COLOR Gray pH 7.24 ODOR none

TEMPERATURE (~~°F~~ °C) 11.0 SPECIFIC CONDUCTANCE (umhos/cm) .559

OTHER (OVA, Methane meter, etc.) Turbidity = 309 ntu, wait until <50

CONSTITUENTS SAMPLED: TCL + 10 (ASP 91-1) Fe, Mn (Collect MS/MSD)

REMARKS:

Gallons	pH	Temp	Cond	Turb
Initial	7.15	7.0	.566	13
5	7.18	8.7	.565	27
10	7.14	10.6	.572	144
15	7.24	11.0	.559	309

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE ~~MW-45~~ LaRussell SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. MW-45

FIELD SAMPLE I.D. NUMBER MW-45 DATE 3/25/97

TIME 9:15 WEATHER cloudy, breezy TEMPERATURE 30°F

metals 3:25 pm

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT

SURFACE WATER/STREAM AIR

SOIL OTHER (Describe, i.e., septage, leachate)

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 4.87 MEASUREMENT METHOD tape

DEPTH OF WELL 16.0 MEASUREMENT METHOD "

VOLUME REMOVED 6 gals REMOVAL METHOD

FIELD TEST RESULTS:

COLOR brown pH ODOR

TEMPERATURE (°F) SPECIFIC CONDUCTANCE (umhos/cm)

OTHER (OVA, Methane meter, etc.)

CONSTITUENTS SAMPLED: TCL+10 Fe, Mn

(ASP 91-1)

REMARKS:

Gallons	T°C	pH	Cond (ms/cm)	Turb (NTUs)
Initial	6.2	6.57	0.591	999
6	7.0	6.51	0.661	999

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-5

FIELD SAMPLE I.D. NUMBER MW-5 DATE 3/24/97

TIME 1205 pm WEATHER Sunny/cool TEMPERATURE 45

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT

SURFACE WATER/STREAM AIR

SOIL OTHER (Describe, i.e., septage, leachate)

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 18.30 MEASUREMENT METHOD tape

DEPTH OF WELL 43.0 MEASUREMENT METHOD "

VOLUME REMOVED 12 gals REMOVAL METHOD pump

FIELD TEST RESULTS:

COLOR clear pH 6.69 ODOR —

TEMPERATURE ~~(°F)~~ (°C) 6.64 9.2 SPECIFIC CONDUCTANCE (umhos/cm) 2.40

OTHER (OVA, Methane meter, etc.) Turbidity = 38 ntus

light yellow stain in water

CONSTITUENTS SAMPLED:

TCL + 10 (ASP 91-1) Fe, Mn

REMARKS:

Gallons	ph	Temp	Cond	Turb
Initial	4.87	9.3	2.44	39
4	6.59	9.3	2.41	95
8	6.67	9.2	2.45	61
~~12~~ 6.69	~~6.72~~	~~9.2~~	~~2.40~~	~~39~~

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. MW-6

FIELD SAMPLE I.D. NUMBER MW-6 DATE 3/24/97

TIME 16:25 WEATHER Sunny, Cool TEMPERATURE 38°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 7.32 MEASUREMENT METHOD tape

DEPTH OF WELL 55.5 MEASUREMENT METHOD tape

VOLUME REMOVED 25 gals REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED:

TCL+10 (ASP 91-1) Fe, Mn

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. MW-7D

FIELD SAMPLE I.D. NUMBER MW-7D DATE 3/25/97

TIME 820am WEATHER cloudy cool TEMPERATURE 35°F

230pm metals

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 5.09 MEASUREMENT METHOD Tape

DEPTH OF WELL ~~25.0~~ 25.0 MEASUREMENT METHOD "

VOLUME REMOVED 10 gallons REMOVAL METHOD Bailer

FIELD TEST RESULTS:

COLOR Brown pH 6.08 ODOR none

TEMPERATURE (°F) 7.4 SPECIFIC CONDUCTANCE (umhos/cm) .386

OTHER (OVA, Methane meter, etc.) 209 ntus, wait until < 50 ntus

CONSTITUENTS SAMPLED: TCL + 10 (ASP 91-1) Fe, Mn

REMARKS:

Gallons	T°C	pH	Cond ms/cm	Turb NTUs
Initial	6.5	6.14	0.379	101
6	7.3	6.10	.381	308
11	7.4	6.08	.380	209

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-75

FIELD SAMPLE I.D. NUMBER MW-75 DATE 3/25/97

TIME 815 am WEATHER cloudy cool TEMPERATURE 35°F

metals 330

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 5.52 MEASUREMENT METHOD Tape

DEPTH OF WELL 12.0 MEASUREMENT METHOD Tape

VOLUME REMOVED 4 gals REMOVAL METHOD Bailer

FIELD TEST RESULTS:

COLOR Brown pH 6.27 ODOR no

TEMPERATURE (°C) (°F) 5.7 SPECIFIC CONDUCTANCE (umhos/cm) .384

OTHER (OVA, Methane meter, etc.) 999 NTUs wait until clear <50 NTUs

CONSTITUENTS SAMPLED: TCL+10 (ASP 91-1) Fe, Mn

REMARKS: Gallons pH Temp Cond Turb

Initial	6.20	5.3	.422	999	Brown
2	6.20	5.6	.394	999	Brown
4	6.27	5.7	.384	999	Brown

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW ~~TJ~~ G. Gould

SAMPLE LOCATION/WELLNO. MW-8D

FIELD SAMPLE I.D. NUMBER MW-8D DATE 3/24/97

TIME 16:55 WEATHER sunny clear TEMPERATURE 35°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 1.39 MEASUREMENT METHOD Tape

DEPTH OF WELL 23.5 MEASUREMENT METHOD "

VOLUME REMOVED 11 gals REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH 6.52 ODOR _____

TEMPERATURE (~~°F~~) 8.1°C SPECIFIC CONDUCTANCE (umhos/cm) .654 mS/cm

OTHER (OVA, Methane meter, etc.) Turb - 0 NTU

CONSTITUENTS SAMPLED:

TCL + 10 (ASP 91-1) Mn, Fe

REMARKS: Gallons pH Temp Cond Turb

initial 6.53 6.9 .652 7

10 6.54 25 .654 2

15

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW C Gould

SAMPLE LOCATION/WELLNO. MW-8S

FIELD SAMPLE I.D. NUMBER MW-8S DATE 3/24/97

TIME 500 pm WEATHER Cool TEMPERATURE 40°F
metals 8:29 on 3/25/97

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT

SURFACE WATER/STREAM AIR

SOIL OTHER (Describe, i.e., septage, leachate)

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 1.10 MEASUREMENT METHOD Tape

DEPTH OF WELL 13.0 MEASUREMENT METHOD Tape

VOLUME REMOVED 6 gals REMOVAL METHOD

FIELD TEST RESULTS:

COLOR pH ODOR

TEMPERATURE (°F) SPECIFIC CONDUCTANCE (umhos/cm)

OTHER (OVA, Methane meter, etc.)

CONSTITUENTS SAMPLED: (TCL + 10 / ASP 91-1) Fe, Mn

REMARKS:

Gallons	pH	Temp	Cond	Turb	
Initial	6.90	5.0	.588	406	Clear
2	6.84	5.2	.589	999	Brown
4	6.85	5.9	.595	999	Brown
6	6.89	6.1	.602	995	Brown

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-9D

FIELD SAMPLE I.D. NUMBER MW-9D DATE 3/14/97

TIME VOCs 834 WEATHER _____ TEMPERATURE _____
metals 8:40 on 3/15/97

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 3.91 MEASUREMENT METHOD Tape

DEPTH OF WELL 23.5 MEASUREMENT METHOD "

VOLUME REMOVED 10 gals REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) _____

CONSTITUENTS SAMPLED: TCL + TO / ASP 91-1 Fe, Mn

REMARKS:

Gallons	pH	Temp	Cond	Turb
5	7.28	6.8	.327	200
10	7.59	8.3	.327 ms/cm	918

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MW-9S

FIELD SAMPLE I.D. NUMBER MW-9S DATE 3/24/97

TIME 17:40 WEATHER Cool TEMPERATURE 40°F

metals 8:30 on 3/25/97

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT

SURFACE WATER/STREAM AIR

SOIL OTHER (Describe, i.e., septage, leachate)

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 4.34 MEASUREMENT METHOD Tape

DEPTH OF WELL 11.7 MEASUREMENT METHOD "

VOLUME REMOVED 4 gals REMOVAL METHOD

FIELD TEST RESULTS:

COLOR pH ODOR

TEMPERATURE (°F) SPECIFIC CONDUCTANCE (umhos/cm)

OTHER (OVA, Methane meter, etc.)

CONSTITUENTS SAMPLED: (ASP 91-1 TCL+10) Mn, Fe

REMARKS:	Gallons	pH	Temp	Cond	Turb
	Initial	6.7	4.0	.277	999 Brown
	2	6.79	4.5	.254	999 " "
	4	6.75	4.9	.285	999 " "

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: Dvirka & Bartlurri

Project Name / Number: LaRussell's Cleaners #1397

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (315) -437 - 1142
Fax # (315) -437 - 1282

Page 1 of 1

Send Report to: Gerald Gould
P.O. Box 56, 5879 Fisher Rd
E. Syracuse, NY 13057

Send Invoice to: Same

P.O. # _____

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL VOA 91-1
B-8A-1	3/5	16:34		✓		✓			1
B-13-3	3/5	18:06		✓		✓			1
B-14-3	3/5	18:41		✓		✓			1
B-15-1	3/6	14:39		✓		✓			1
B-15-2	"	14:43		✓		✓			1
B-15-3	"	14:47		✓		✓			1
B-15-5	"	15:00		✓		✓			1

REMARKS:

Total Containers - 7

SAMPLER'S NAME: Gerald Gould SIGNATURE: Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: / SIGNATURE: Gerald Gould	DATE: / TIME:	NAME: / SIGNATURE:	DATE: / TIME:
NAME: / SIGNATURE:	DATE: / TIME:	Received For Laboratory By: (Signature)	DATE: / TIME:
NAME: / SIGNATURE:	DATE: / TIME:	Received For Laboratory By: (Signature)	DATE: / TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp _____ °C TS TB TM

Airbill #

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name	Project Name / Number
Dvirka and Bartilucci for NYSDEC	LaRussell's Cleaners, Site Registry 3-40-020

Turn-Around Time
- [ ] Standard Service
- [x] * Rush Service

Date requested by: ____
Ph # ( ) - -
Fax # ( ) - -

Page 1 of ___

Send Report to: Gerald Gould c/o Tom Gibbons, NYSDEC, 518-457-1708

Send Invoice to: (crossed out)

P.O. #

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: Volatiles [illegible]									
MW-85	3/4/97			✓	✓				2									
MW-80	"			✓	✓				2									

REMARKS: Bottle labels indicate HCl preservative but HCl has been rinsed out. There is no preservative in these samples

Total Containers -

SAMPLER'S NAME: Gerald Gould **SIGNATURE:** Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: SIGNATURE: [signature]	DATE: TIME:	NAME: SIGNATURE: [signature]	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp ____ °C TS TB TM

Airbill #

FedEx USA Airbill

Tracking Number 3476970711

671456

Sender's Copy

00001/00025

1 From (please print)

Date 3/6 Sender's FedEx Account Number 1245-6133-7

Sender's Name Gerald Gould Phone (315) 437-1142

Dept./Floor/Suite/Room

Company DVIRKA AND BARTILUCCI

Address 5879 FISHER RD

City EAST SYRACUSE State NY Zip 13057

2 Your Internal Billing Reference Information (Optional) (First 24 characters will appear on invoice) 1397-2A LaRussell Soils

3 To (please print)

Recipient's Name Sample Control Phone (800) 950-0506

Dept./Floor/Suite/Room

Company Galson Laboratories

Address 6601 Kirkville Rd East

(To "HOLD" at FedEx location, print FedEx address here) (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes)

City E. Syracuse State NY Zip 13057

For HOLD at FedEx Location check here

☐ Hold Weekday (Not available with FedEx First Overnight)

☐ Hold Saturday (Not available at all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

For Saturday Delivery check here

☐ (Extra Charge. Not available to all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

4a Express Package Service *Packages under 150 lbs.* Delivery commitment may be later in some areas.

☒ FedEx Priority Overnight (Next business morning)

☐ FedEx Standard Overnight (Next business afternoon)

☐ FedEx 2Day* (Second business day)

☐ NEW FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)

* FedEx Letter Rate not available. Minimum charge: One pound FedEx 2Day rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

☐ FedEx Overnight Freight (Next business day service for any distance)

☐ FedEx 2Day Freight (Second business day service for any distance)

☐ FedEx Express Saver Freight (Up to 3 business-day service based upon distance)

(Call for delivery schedule. See back for detailed descriptions of freight products.)

5 Packaging ☐ FedEx Letter ☐ FedEx Pak (Declared value limit $500) ☐ FedEx Box ☐ FedEx Tube ☒ Other Pkg.

6 Special Handling

Does this shipment contain dangerous goods? ☐ Yes (As per attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

☐ Dry Ice Dry Ice, 9, UN 1845 III ____ x ____ kg. 904 (Dangerous Goods Shipper's Declaration not required)

CA ☐ Cargo Aircraft Only

7 Payment

Bill to: ☒ Sender (Account no. in section 1 will be billed) ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check (Enter FedEx account no. or Credit Card no. below)

FedEx Account No. ____

Credit Card No. ____ Exp. Date ____

Total Packages	Total Weight	Total Declared Value*	Total Charges
1	22	$ .00	$

* When declaring a value higher than $100 per shipment, you pay an additional charge. See **SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY** section for further information

8 Release Signature Sign to authorize delivery without obtaining signature

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.

272

Service Conditions, Declared Value, and Limit of Liability – By using this Airbill, you agree to the service conditions in our current Service Guide or U.S. Government Service Guide. Both are available on request. SEE BACK OF SENDER'S COPY OF THIS AIRBILL FOR INFORMATION AND ADDITIONAL TERMS. We will not be responsible for any claim in excess of $100 per package whether the result of loss, damage, or delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, and document your actual loss in a timely manner. Your right to recover from us for any loss includes intrinsic value of the package, loss of sales, interest, profit, attorney's fees, costs, and other forms of damage, whether direct, incidental, consequential, or special, and is limited to the greater of $100 or the declared value but cannot exceed actual documented loss. The maximum declared value for any FedEx Letter and FedEx Pak is $500. Federal Express may, upon your request, and with some limitations, refund all transportation charges paid. See the FedEx Service Guide for further details.

Questions?
Call 1·800·Go·FedEx (1-800-463-3339)

The World On Time®

WCSU ·198
Rev. Date 8/96
PART #147956
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PRINTED IN U.S.A.

Soil Samples to Galson

FedEx *USA Airbill* Tracking Number 3476970722

671456 Sender's Copy 00002/00025

1 From (please print)

Date 3/6/97 Sender's FedEx Account Number 1245-6133-7

Sender's Name Gerald Gould Phone (315) 437-1142

Dept./Floor/Suite/Room

Company DVIRKA AND BARTILUCCI

Address 5879 FISHER RD

City EAST SYRACUSE State NY Zip 13057

2 Your Internal Billing Reference Information (Optional) (First 24 characters will appear on invoice) 1397-2A Lakussell GW VOAs

3 To (please print)

Recipient's Name Cheryl Houck Phone (518) 584-6588

Dept./Floor/Suite/Room

Company NYSDEC Saratoga Lab

Address 431 Route 50 South

(To "HOLD" at FedEx location, print FedEx address here) (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes)

City Saratoga Springs State NY Zip 12866

For HOLD at FedEx Location check here

☐ **Hold Weekday** (Not available with FedEx First Overnight)

☐ **Hold Saturday** (Not available at all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

For Saturday Delivery check here

☐ (Extra Charge. Not available to all locations) (Not available with FedEx First Overnight or FedEx Standard Overnight)

4a Express Package Service *Packages under 150 lbs.* Delivery commitment may be later in some areas.

☒ FedEx Priority Overnight (Next business morning)

☐ FedEx Standard Overnight (Next business afternoon)

☐ FedEx 2Day* (Second business day)

☐ NEW FedEx First Overnight (Earliest next business morning delivery to select locations) (Higher rates apply)

* FedEx Letter Rate not available. Minimum charge: One pound FedEx 2Day rate.

4b Express Freight Service *Packages over 150 lbs.* Delivery commitment may be later in some areas.

☐ FedEx Overnight Freight (Next business-day service for any distance)

☐ FedEx 2Day Freight (Second business-day service for any distance)

☐ FedEx Express Saver Freight (Up to 3 business-day service based upon distance)

(Call for delivery schedule. See back for detailed descriptions of freight products.)

5 Packaging ☐ FedEx Letter ☐ FedEx Pak (Declared value limit $500) ☐ FedEx Box ☐ FedEx Tube ☒ Other Pkg

6 Special Handling

Does this shipment contain dangerous goods? ☐ Yes (As per attached Shipper's Declaration) ☐ Yes (Shipper's Declaration not required)

☐ Dry Ice Dry Ice, 9, UN 1845 III ____ x ____ kg, 904 (Dangerous Goods Shipper's Declaration not required)

CA ☐ Cargo Aircraft Only

7 Payment

Bill to: ☒ Sender (Account no. in Section 1 will be billed) ☐ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check (Enter FedEx account no. or Credit Card no. below)

FedEx Account No. ____

Credit Card No. ____ Exp. Date ____

Total Packages	Total Weight	Total Declared Value*	Total Charges
1	4	$ .00	$

* When declaring a value higher than $100 per shipment, you pay an additional charge. See **SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY** section for further information.

8 Release Signature Sign to authorize delivery without obtaining signature

Your signature authorizes Federal Express to deliver this shipment without obtaining a signature and agrees to indemnify and hold harmless Federal Express from any resulting claims.

272

WCSL 1198 Rev. Date 6/96 PART #11956 ©1994-96 FedEx PRINTED IN U.S.A.

Service Conditions, Declared Value, and Limit of Liability – By using this Airbill, you agree to the service conditions in our current Service Guide or U.S. Government Service Guide. Both are available on request. SEE BACK OF SENDER'S COPY OF THIS AIRBILL FOR INFORMATION AND ADDITIONAL TERMS. We will not be responsible for any claim in excess of $100 per package whether the result of loss, damage, or delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, and document your actual loss in a timely manner. Your right to recover from us for any loss includes intrinsic value of the package, loss of sales, interest, profit, attorney's fees, costs, and other forms of damage, whether direct, incidental, consequential, or special, and is limited to the greater of $100 or the declared value but cannot exceed actual documented loss. The maximum declared value for any FedEx Letter and FedEx Pak is $500. Federal Express may, upon your request, and with some limitations, refund all transportation charges paid. See the FedEx Service Guide for further details.

Questions?
Call 1·800·Go·FedEx (1-800-463-3339)

The World On Time

MW-8S & MW-8D GW to DEC Lab

GALSON LABORATORIES
ENVIRONMENTAL PREP REQUEST

12136

Requested by Client: 02/27/97
Client Needs Prep : 02/28/97
Ship Prep on :
Account # : 12237

Date Prep Sent :
Client Name : Dvirka and Bartilucci
PO#/Project # :

Prep Address:
Mr. Gerry Gould
Dvirka and Bartilucci

Shipping Method : Client Pick-up

QC Level: Q5 Deliverable Level: DB Bottles: Level 1 Level 2

Number of Trip Blanks Required: 2 (in dup). Field Blank Water Quantity: none

# of Samp.	Analyte	Method	Matrix	QC	Size(ml)	Preserv.	Total Bottles
24	Volatile Organics	NYSDEC ASP 91-1	Soil		120 ml	none	24
18	Volatile Organics	NYSDEC ASP 91-1	Water		2 40ml	HCL	36

Cooler Numbers: _____

Comments/Special Instructions :
Client will need a couple of coolers also.
Client will pick up at noon on 2/28/97.

Anticipated Date of Sample Delivery : 03/07/97
Fee Schedule :

Turnaround : 28 days
Quote # :

Distribute to : EXTRACTIONS GC/MS GC LC MET WET Reviewed By : _____ Date : _____

6601 Kirkville Road. East Syracuse, New York 13057 315-432-0506

GALSON LABORATORIES
ENVIRONMENTAL PREP REQUEST

12310

Requested by Client: 03/19/97
Client Needs Prep : 03/21/97
Ship Prep on :
Account # : 12237

Date Prep Sent :
Client Name : Dvirka and Bartilucci
PO#/Project # :

Prep Address:
Mr. Gerry Gould
Dvirka and Bartilucci

Shipping Method : Client Pick-up

QC Level: Q5 Deliverable Level: DB Bottles: Level 1 Level 2

Number of Trip Blanks Required: 3 ✓ (in dup). Field Blank Water Quantity: no

# of Samp.	Analyte	Method	Matrix	QC	Size(ml)	Preserv.	Total Bottles
21	Volatile Organics	NYSDEC ASP 91-1	Water		2 40ML	none	42
18	Iron, Managanese	SW846 6010	Water		1 L	HNO3	18
5	Volatile Organics	NYSDEC ASP 91-1	Soil		250 ml Hexane w/m	none	5

Cooler Numbers: _____

Comments/Special Instructions :
CLIENT WILL PICK UP ON 3/21 AT NOON.
Provide labels & chain of custody forms ✓

TK 3-20-97

Anticipated Date of Sample Delivery :
Fee Schedule :

Turnaround : 25 days
Quote # : Q577

Contribute to : EXTRACTIONS GC/MS GC LC MET WET Reviewed By : _____ Date : _____

6601 Kirkville Road. East Syracuse, New York 13057 315-432-0506

FEDERAL EXPRESS

USE THIS AIRBILL FOR SHIPMENTS WITHIN THE CONTINENTAL U.S.A., ALASKA AND HAWAII.
USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO AND ALL NON U.S. LOCATIONS.
QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL PACKAGE TRACKING NUMBER 2593661475

4363N 2593661475

SENDER'S COPY

SENDER'S COPY

1 SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER: 1245-6133-7 Date: 11/[illegible]/96

From (Your Name) Please Print: Gerald Gould
Your Phone Number (Very Important): 315-451-2811
Company: WILLIAM F COSULICH ASSOC PC Dept: D-3
Street Address: 231 SALINA MEADOWS PKWY #120
City: SYRACUSE State: NY ZIP Required: 13212

2 To (Recipient's Name) Please Print: [illegible]
Recipient's Phone Number (Very Important):
Company: Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.):
City: State: ZIP Required:

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)
1397-2A-3

H IF HOLD AT FEDEX LOCATION, Print FEDEX Address Here
Street Address:
City: State: ZIP Required:

3 PAYMENT 1 [X] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card
5 [ ] Cash/Check Acct./Credit Card No. Exp. Date

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)
11 [X] OTHER PACKAGING
16 [ ] FEDEX LETTER*
12 [ ] FEDEX PAK*
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon. No Saturday delivery†)
51 [ ] OTHER PACKAGING
56 [ ] FEDEX LETTER*
52 [ ] FEDEX PAK*
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)
30 [ ] ECONOMY*
* Economy Letter Rate not available. Minimum charge: One pound Economy rate.

Government Overnight (Restricted for authorized users only)
46 [ ] GOVT LETTER
41 [ ] GOVT PACKAGE

Freight Service (for packages over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT**
† Delivery commitment may be later in some areas.
*Declared Value Limit $500. **Call for delivery schedule.

5 DELIVERY AND SPECIAL HANDLING (Check services required)

Weekday Service
1 [ ] HOLD AT FEDEX LOCATION WEEKDAY (Fill in Section H)
2 [X] DELIVER WEEKDAY

Saturday Service
31 [ ] HOLD AT FEDEX LOCATION SATURDAY (Fill in Section H)
3 [ ] DELIVER SATURDAY (Extra charge) (Not available to all locations)
9 [ ] SATURDAY PICK-UP (Extra charge)

Special Handling
4 [ ] DANGEROUS GOODS (Extra charge)
6 [ ] DRY ICE Dangerous Goods Shipper's Declaration not required
Dry Ice, 9, UN 1845, ____ X ____ kg, 904 III
[ ] DESCRIPTION
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6 PACKAGES	WEIGHT In Pounds Only	YOUR DECLARED VALUE (See right)
1	74	
Total 1	Total 74	Total

DIM SHIPMENT (Chargeable Weight) [ ] ____ lbs.
L x W x H

Received At
1 [ ] Regular Stop 3 [ ] Drop Box
2 [ ] On-Call Stop 4 [ ] B.S.C. Location

SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY

Use of this airbill constitutes your agreement to the service conditions in our current Service Guide, available upon request. See back of sender's copy of this airbill for information. Service conditions may vary for Government Overnight Service. See U.S. Government Service Guide for details.

We will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, and document your actual loss for a timely claim. Limitations found in the current Federal Express Service Guide apply. Your right to recover from Federal Express for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the declared value specified to the left. Recovery cannot exceed actual documented loss. The maximum Declared Value for FedEx Letter and FedEx Pak packages is $500.

In the event of untimely delivery, Federal Express will at your request and with some limitations refund all transportation charges paid. See Service Guide for further information.

7 Sender authorizes Federal Express to deliver this shipment without obtaining a delivery signature and shall indemnify and hold harmless Federal Express from any claims resulting therefrom.
Release Signature:

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 4/94
PART #145412 FXEM 7/94
FORMAT #160
160
PRINTED IN U.S.A.

La Russell's Cleaners
Groundwater Samples
Shipped 11/21/96

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: Wilkes & Bartlett(?)

Project Name / Number: LaRussell's Cleaners 1397

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: ____
Ph # ( ) - -
Fax # ( ) - -

Page 1 of ___

Send Report to: Gerry Gould, 300 Brooklea Drive, Fayetteville, NY 13066

Send Invoice to: Same

P.O. # ____

Chain of Custody Record

SAMPLE ID	Date	Time	Comp.	Grab	Aqueous	Soil	Other	Laboratory ID Number	TCL+10	Mn+Fe
MW-1S	1/21	12:15		✓	✓				2	1
MW-1D		13:05		✓	✓				2	1
MW-2S		8:40		✓	✓				2	1
MW-2D		9:25		✓	✓				2	1
MW-3S		11:15		✓	✓				2	1
MW-3D		11:37		✓	✓				2	1
MW-4S		10:20		✓	✓				2	1
MW-4D		10:40		✓	✓				2	1
MW-5S		14:10		✓	✓				2	1
MW-6		9:40		✓	✓				2	1
MW-1D MS		13:05		✓	✓				2	1
MW-1D MSD		13:05		✓	✓				2	1

REMARKS: HCl removed from 40ml vials
VOC's are not preserved

Total Containers - 36 + [illegible]
+ [illegible]
2 [illegible]

SAMPLER'S NAME: Gerald Gould   SIGNATURE: Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: G Gould SIGNATURE: G. Gould	DATE: 1/21/96 TIME: 15:30	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:

VOC Pres U P AU NA
Custody Seal Intact? ☐ *Yes* ☐ *No* ☐ *N.A.*
Shipment Complete? ☐ *Yes* ☐ *No*
Temp ____ °C TS TB TM
Airbill #

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-15

FIELD SAMPLE I.D. NUMBER MW-15 DATE 11/21/96

TIME 12:15 WEATHER P. Sunny TEMPERATURE 35°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 9.68 MEASUREMENT METHOD tape

DEPTH OF WELL 21.00 MEASUREMENT METHOD "

1vol = 1.8 gal 3vol = 5 gal

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR brown pH 6.75 ODOR none

TEMPERATURE (~~°F~~) 13.6°C SPECIFIC CONDUCTANCE (~~umhos/cm~~) 1.07 mS

OTHER (OVA, Methane meter, etc.) PID: 0.0

Turb: 7999

CONSTITUENTS SAMPLED: TCL +10 Fe, Mg

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-1D

FIELD SAMPLE I.D. NUMBER MW-1D DATE 11/21/96

TIME 13:05 WEATHER cloudy TEMPERATURE 35°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 9.50 MEASUREMENT METHOD tape

DEPTH OF WELL 40.00 MEASUREMENT METHOD tape

VOLUME REMOVED 15 gals REMOVAL METHOD bail

FIELD TEST RESULTS:

COLOR light gray pH 6.59 ODOR none

TEMPERATURE ~~(°F)~~ 12.0°C SPECIFIC CONDUCTANCE (~~umhos/cm~~) 0.670 mS

OTHER (OVA, Methane meter, etc.) PID: 0.0

Turb: 244 NTUs

CONSTITUENTS SAMPLED: TCL +10 Fe, Mg

REMARKS: _____

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-25

FIELD SAMPLE I.D. NUMBER MW-25 DATE 11/21/96

TIME 8:40 WEATHER overcast, cold TEMPERATURE 34°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 3.51 MEASUREMENT METHOD tape

DEPTH OF WELL 15.50 MEASUREMENT METHOD tape

VOLUME REMOVED 6 gals REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR brown pH 6.54 ODOR ~~None~~ slight septic

TEMPERATURE (°F) 11.9 SPECIFIC CONDUCTANCE (umhos/cm) .523 mS

OTHER (OVA, Methane meter, etc.) 0.0 -

Turb 999

CONSTITUENTS SAMPLED: _____ TCL +10 Fe, Mg _____

_____ _____ _____ _____

REMARKS: _____

_____

_____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-2D

FIELD SAMPLE I.D. NUMBER MW-2D DATE 11/21/96

TIME 9:25 WEATHER cloudy TEMPERATURE 34°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 6.16 MEASUREMENT METHOD tape

DEPTH OF WELL 50.00 MEASUREMENT METHOD tape

VOLUME REMOVED 35.00 REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR clear pH 6.68 ODOR none

TEMPERATURE (°F) 10.6°C SPECIFIC CONDUCTANCE (umhos/cm) .468 mS

OTHER (OVA, Methane meter, etc.) 0.0

Turb = 40 NTU

CONSTITUENTS SAMPLED: TCL +10 Fe, Mg

REMARKS: _____

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-3S

FIELD SAMPLE I.D. NUMBER MW3S DATE 11/21/96

TIME 11:15 WEATHER Cloudy, breezy TEMPERATURE 34°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 8.02 MEASUREMENT METHOD tape

DEPTH OF WELL 13.90 MEASUREMENT METHOD tape

VOLUME REMOVED 3 gals REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR gray - clear pH 7.05 ODOR ~~none~~

TEMPERATURE (°F) 12.3 SPECIFIC CONDUCTANCE (~~umhos/cm~~) 1.26 mS

OTHER (OVA, Methane meter, etc.) 0.0 ppm

Turb = 441

CONSTITUENTS SAMPLED: TCL +10 Fe, Mg

REMARKS: _____

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-3D

FIELD SAMPLE I.D. NUMBER MW-3D DATE 11/21/96

TIME 1137 WEATHER p. cloudy TEMPERATURE 35° F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 14.06 MEASUREMENT METHOD tape

DEPTH OF WELL 54.5 MEASUREMENT METHOD tape

VOLUME REMOVED 20 gals REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR light gray - clear pH 7.23 ODOR none

TEMPERATURE (°C) 10.8 SPECIFIC CONDUCTANCE (umhos/cm) 1.18

OTHER (OVA, Methane meter, etc.) Turb: 25

0.0 ppm

CONSTITUENTS SAMPLED: TCL +10 Fe, Mg

REMARKS:

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-45

FIELD SAMPLE I.D. NUMBER MW-45 DATE 11/21/96

TIME 10:20 WEATHER p.cloudy TEMPERATURE 34°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 5.14 MEASUREMENT METHOD tape

DEPTH OF WELL 13.00 MEASUREMENT METHOD tape

VOLUME REMOVED 4 gals REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR brown pH 6.89 ODOR none

TEMPERATURE (~~°F~~) 12.6°C SPECIFIC CONDUCTANCE (~~umhos/cm~~) 0.649 mS

OTHER (OVA, Methane meter, etc.) Turb = >999 NTUs

PID = 0.0 ppm

CONSTITUENTS SAMPLED: _____ TCL +10 Fe, Mg _____

_____ _____ _____ _____

REMARKS: well let stand before metals washed HCl out of VOA vials

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-4D

FIELD SAMPLE I.D. NUMBER MW-4D DATE 11/27/96

TIME 10:40 WEATHER cloudy TEMPERATURE 34

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 6.45 MEASUREMENT METHOD tape

DEPTH OF WELL 30.00 MEASUREMENT METHOD tape

VOLUME REMOVED 12 gals REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR light gray/clear pH 7.31 ODOR none

TEMPERATURE (°F) 12.0 SPECIFIC CONDUCTANCE (~~umhos/cm~~) .689 mS

OTHER (OVA, Methane meter, etc.) PID = 0.0 ppm

TURB = 42 NTUs

CONSTITUENTS SAMPLED: TCL +10 Fe, Mg

REMARKS: _____

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-55

FIELD SAMPLE I.D. NUMBER MW-55 DATE 11/21/96

TIME 14:40 WEATHER cloudy TEMPERATURE 35°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 18.68 MEASUREMENT METHOD tape

DEPTH OF WELL 40.00 MEASUREMENT METHOD tape

VOLUME REMOVED 11 gals REMOVAL METHOD bailer

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) Turbs 14 NTUs

CONSTITUENTS SAMPLED:

	TCL +10	Fe, Mg	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould / K. Robins

SAMPLE LOCATION/WELLNO. MW-6

FIELD SAMPLE I.D. NUMBER MW6 DATE 11/21/96

TIME 9:40 WEATHER p. cloudy TEMPERATURE 34

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 8.25 MEASUREMENT METHOD _____

DEPTH OF WELL 55.50 MEASUREMENT METHOD _____

VOLUME REMOVED 53 gals REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR clear pH 6.86 ODOR none

TEMPERATURE (°F) 10.8 SPECIFIC CONDUCTANCE (~~umhos/cm~~) .755 mS

OTHER (OVA, Methane meter, etc.) Turb = 2

Tij = 0.00

CONSTITUENTS SAMPLED: TCL +10 Fe, Mg

REMARKS: _____

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

Galson Laboratory Request Form - *PLEASE RETURN WITH SAMPLES!!!*

Date of Request 11/19/96 Requested By PAW Date Prep Required: 11/19/96 2pm RUSH ?

Project Name LaRussell Cleaners Ship By: UPS Fed Ex#

Contact Name Gerry Gould U.S. Mail (Client Pick-Up) Lab Deliver

Company Durka & Bartilucci Phone: FAX

Prep Delivery Address	Report Delivery Address	Invoice Delivery Address

QC Level: Q1-DEC ASP Q3 Proj Spec Q4-SP/NPDES (Q5-RCRA) Deliv Level: D1(Std) (D8(Cat B))

Q6 Misc Q7-DW Q8-NIOSH/OSHA Q9-NJ ECRA Q10-CERCLA Q12-AA DE(Exll) DS (Superfund) Q7

Analyte List: DEC TCL App IX/33 Table 9A + 504 Pri Pol TCLP 3/91 SSPL....Other:

Due Date: Sample Deliv. Dates: Bottles: (Level I) (cert) Level II

Analyte	Method/Matrix	# Samples (+ QC)	Size (ml)	Preservatives	~~Price~~
VOCs	91-1/H_2O	13	2 40 ml	HCL	26
Metals (Fe, Mn)	6010/H_2O	13	1 L	HNO_3	13

Charge for MS/MSD/MBS (QC Check) TB Other:

Number of Trip Blks Required: 1 (in duplicate). Field blank water?

Cooler Numbers: Date Shipped: 11/19/96

To Be Completed by Client: Date Samples Collected: Date Shipped to Lab:

Sampling Site/Project: Location: Sampled By :

Sampler's Phone #: Purchase Order #:

Comments: *Volatile samples should always be collected in duplicate*
All DEC ASP samples should be collected in duplicate
Do not rinse rinse out containers before sampling

Please return all coolers and unused bottles. Samples will be billed

FEDERAL EXPRESS

USE THIS AIRBILL FOR SHIPMENTS WITHIN THE CONTINENTAL U.S.A., ALASKA AND HAWAII.
USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO AND ALL NON U.S. LOCATIONS.
QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL PACKAGE TRACKING NUMBER 2593661453

4353N 2593661453

SENDER'S COPY

SENDER'S COPY

1 SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER: 1245-6133-7 | Date:

From (Your Name) Please Print: Gerald Gould
Your Phone Number (Very Important): 315-451-2811
Company: ~~WILLIAM F COSULICH ASSOC PC~~
Department/Floor No.:
Street Address: 231 SALINA MEADOWS PKWY #120
City: SYRACUSE State: NY ZIP Required: 13212

2 To (Recipient's Name) Please Print: Sample Letter
Recipient's Phone Number (Very Important):
Company: Gelson Laboratories
Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 6601 Kirkville Rd
City: E. Syracuse State: NY ZIP Required: 13057

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)
1397-2A-1

H IF HOLD AT FEDEX LOCATION, Print FEDEX Address Here
Street Address:
City: State: ZIP Required:

3 PAYMENT 1 [X] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card
5 [ ] Cash/Check Acct./Credit Card No. Exp. Date

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)
- 11 [X] OTHER PACKAGING
- 16 [ ] FEDEX LETTER*
- 12 [ ] FEDEX PAK*
- 13 [ ] FEDEX BOX
- 14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon. No Saturday delivery†)
- 51 [ ] OTHER PACKAGING
- 56 [ ] FEDEX LETTER*
- 52 [ ] FEDEX PAK*
- 53 [ ] FEDEX BOX
- 54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)
- 30 [ ] ECONOMY*

* Economy Letter Rate not available. Minimum charge: One pound Economy rate.

Government Overnight (Restricted for authorized users only)
- 46 [ ] GOVT LETTER
- 41 [ ] GOVT PACKAGE

Freight Service (for packages over 150 lbs.)
- 70 [ ] OVERNIGHT FREIGHT** (Confirmed reservation required)
- 80 [ ] TWO-DAY FREIGHT**

† Delivery commitment may be later in some areas.
*Declared Value Limit $500.
**Call for delivery schedule.

5 DELIVERY AND SPECIAL HANDLING (Check services required)

Weekday Service
- 1 [ ] HOLD AT FEDEX LOCATION WEEKDAY (Fill in Section H)
- 2 [X] DELIVER WEEKDAY

Saturday Service
- 31 [ ] HOLD AT FEDEX LOCATION SATURDAY (Fill in Section H)
- 3 [ ] DELIVER SATURDAY (Extra charge) (Not available to all locations)
- 9 [ ] SATURDAY PICK-UP (Extra charge)

Special Handling
- 4 [ ] DANGEROUS GOODS (Extra charge)
- 6 [ ] DRY ICE Dangerous Goods Shipper's Declaration not required
  Dry Ice, 9, UN 1845, ____ x ____ kg, 904 III
- [ ] DESCRIPTION
- 12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6

PACKAGES	WEIGHT In Pounds Only	YOUR DECLARED VALUE (See right)
1	20	
Total	Total 20	Total

DIM SHIPMENT (Chargeable Weight)
[ ] lbs.
L x W x H

Received At
1 [ ] Regular Stop 3 [ ] Drop Box
2 [ ] On-Call Stop 4 [ ] Station

SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY

Use of this airbill constitutes your agreement to the service conditions in our current Service Guide, available upon request. See back of sender's copy of this airbill for information. Service conditions may vary for Government Overnight Service. See U.S. Government Service Guide for details.

We will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, and document your actual loss for a timely claim. Limitations found in the current Federal Express Service Guide apply. Your right to recover from Federal Express for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the declared value specified to the left. Recovery cannot exceed actual documented loss. The maximum Declared Value for FedEx Letter and FedEx Pak packages is $500.

In the event of untimely delivery, Federal Express will at your request and with some limitations refund all transportation charges paid. See Service Guide for further information.

Sender authorizes Federal Express to deliver this shipment without obtaining a delivery signature and shall indemnify and hold harmless Federal Express from any claims resulting therefrom.

7 Release Signature:

Federal Express Use
- Base Charges
- Declared Value Charge
- Other 1
- Other 2
- Total Charges

REVISION DATE 4/94
PART #145412 FXFM 7/94
FORMAT #160
160
PRINTED IN U.S.A.

La Russell's Cleaners Job# 1397
Subsurface Soil Samples
shipped Saturday 11/9/96

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: Dvirka & Bartilucci

Project Name / Number: LaRussell's Cleaners # 1397

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (315) -451 - 2811
Fax # ( ) -451 - 2954

Send Report to: Gerald Gould
D+B
231 Salina Meadows Pkwy
N Syracuse, NY 13057

Send Invoice to: Same

P.O. #

Chain of Custody Record

Laboratory ID Number

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	PARAMETERS FOR ANALYSIS: TCL + TO, ASP91-1
LC-SB-8-55-1	11/9/96	10:19		✓		✓		1
LC-SB-9-55-1	11/9/96	11:01		✓		✓		1
LC-SB-10-55-1	11/9/96	10:27		✓		✓		1
LC-SB-11-55-1	11/9/96	9:27		✓		✓		1
LC-SB-12-55-2	11/9/96	9:54		✓		✓		1
LC-SB-10-MS	11/9/96	10:27		✓		✓		1
LC-SB-10-MSD	11/9/96	10:27		✓		✓		1
LC-SB-[illegible]								
LC-SB-[illegible]								
								7

REMARKS:

Total Containers - 7

SAMPLER'S NAME: Gerald Gould **SIGNATURE:** Gerald Gould

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp _____ °C TS TB TM

Airbill #

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Gerald Gould SIGNATURE: Gerald Gould	DATE: 11/9/96 TIME: 14:25	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussa's Cleaners SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. B-8 (0.5-20')

FIELD SAMPLE I.D. NUMBER LC-SB-B-SS-1 DATE 11/9/96

TIME 10:39 WEATHER indoors TEMPERATURE 75°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER N/A MEASUREMENT METHOD N/A

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED N/A REMOVAL METHOD N/A

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.4

CONSTITUENTS SAMPLED:

TCL+10 TOC

REMARKS: MS/MSD for TOC

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-9

FIELD SAMPLE I.D. NUMBER LL-SB-9-SS-1 DATE 11/9/96

TIME 11:01 WEATHER Indoors TEMPERATURE 75°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.4

CONSTITUENTS SAMPLED:

	TCL+TO	TOC	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW C. Gald

SAMPLE LOCATION/WELLNO. B-10

FIELD SAMPLE I.D. NUMBER LC-SB-10-SS-1 DATE 11/5/91

TIME 10:37 WEATHER Indoors TEMPERATURE 75°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.7

CONSTITUENTS SAMPLED:

TCL+10

REMARKS: MS & MSD sampled here

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-11

FIELD SAMPLE I.D. NUMBER LC-SB-11-96-SS-1 DATE 11/9/96

TIME 9:27 WEATHER indoors TEMPERATURE 75°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID = 0.8 ppm

CONSTITUENTS SAMPLED: TCL+10

REMARKS: _____

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Rossville Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-12 2-3 Deep

FIELD SAMPLE I.D. NUMBER LC-SB-12-SS-2 DATE 11/9/96

TIME 9:54 WEATHER indoors TEMPERATURE 75°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) PID 0.8 ppm

CONSTITUENTS SAMPLED: TCL+TO

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

Galson Laboratory Request Form - *PLEASE RETURN WITH SAMPLES!!!*

Date of Request 11/6 Requested By PAW Date Prep Required: 11/8 **RUSH ?**

Project Name LaRussell Cleaners Ship By: UPS Airborne Fed Ex# _____

Contact Name Gerry Gould U.S. Mail Client Pick-Up Lab Deliver

Company Dvirka & Bartilucci Phone: _____ FAX _____

Prep Delivery Address	Report Delivery Address	Invoice Delivery Address
Heidi's Motel		
Rt 22		
Brewster, NY 10509		

QC Level: Q1-DEC ASP Q3 Proj Spec Q4-SP/NPDES Q5-RCRA Deliv Level: D1(Std) DB(Cat B)

Q6 Misc Q7-DW Q8-NIOSH/OSHA Q9-NJ ECRA Q10-CERCLA Q12-AA DE(Exl) DS (Superfund) D7

Analyte List: DEC.TCL App IX/33 Table 9A + 504 Pri Pol TCLP 3/91 SSPL....Other: _____

Due Date: _____ Sample Deliv. Dates: _____ Bottles: Level I (cert) Level II

Analyte	Method/Matrix	# Samples (+ QC)	Size (ml)	Preservatives	Price
VOCs	91-1 / Soil	8	120	None	8 ✓

Charge for MS/MSD/MBS QC Check TB Other: _____

Number of Trip Blks Required: _____ (In duplicate). Field blank water? _____

Cooler Numbers: _____ Date Shipped: 11/6/90 AO

To Be Completed by Client: Date Samples Collected: _____ Date Shipped to Lab: _____

Sampling Site/Project: _____ Location: _____ Sampled By : _____

Sampler's Phone #: _____ Purchase Order #: _____

Comments: *Volatile samples should always be collected in duplicate*
All DEC ASP samples should be collected in duplicate
Do not rinse rinse out containers before sampling

Please return all coolers and unused bottles. Samples will be billed

FEDERAL EXPRESS

USE THIS AIRBILL FOR SHIPMENTS WITHIN THE CONTINENTAL U.S.A., ALASKA AND HAWAII.
USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO AND ALL NON U.S. LOCATIONS.
QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL
PACKAGE
TRACKING NUMBER 2593661442

4363N 2593661442

SENDER'S COPY

1 SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER: 1245-6133-7
Date: 10/11/96

From (Your Name) Please Print: Gerry Gould (D+B)
Your Phone Number (Very Important): 315-451-2011
Company: WILLIAM F COSULICH ASSOC PC
Department/Floor No.:
Street Address: 231 SALINA MEADOWS PKWY #120
City: SYRACUSE State: NY ZIP Required: 13212

2 To (Recipient's Name) Please Print: Sample Control
Recipient's Phone Number (Very Important): (516) 625-5500
Company: NYTEST Env.
Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 60 Seaview Blvd
City: Port Washington State: NY ZIP Required: 11050

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.): 1-77-LA LaRussell's Cleaners Soil Samples

H IF HOLD AT FEDEX LOCATION, Print FEDEX Address Here
Street Address
City State ZIP Required

3 PAYMENT 1 [x] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card
5 [ ] Cash/Check Acct./Credit Card No. Exp. Date /

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)
11 [x] OTHER PACKAGING
16 [ ] FEDEX LETTER*
12 [ ] FEDEX PAK*
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon. No Saturday delivery†)
51 [ ] OTHER PACKAGING
56 [ ] FEDEX LETTER*
52 [ ] FEDEX PAK*
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)
30 [ ] ECONOMY*
* Economy Letter Rate not available. Minimum charge: One pound Economy rate

Government Overnight (Restricted for authorized users only)
46 [ ] GOV'T LETTER
41 [ ] GOV'T PACKAGE

Freight Service (for packages over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT**
† Delivery commitment may be later in some areas.
*Declared Value Limit $500. **Call for delivery schedule.

5 DELIVERY AND SPECIAL HANDLING (Check services required)

Weekday Service
1 [ ] HOLD AT FEDEX LOCATION WEEKDAY (Fill in Section H)
2 [ ] DELIVER WEEKDAY

Saturday Service
31 [ ] HOLD AT FEDEX LOCATION SATURDAY (Fill in Section H)
3 [x] DELIVER SATURDAY (Extra charge) (Not available to all locations)
9 [ ] SATURDAY PICK-UP (Extra charge)

Special Handling
4 [ ] DANGEROUS GOODS (Extra charge)
6 [ ] DRY ICE Dangerous Goods Shipper's Declaration not required
Dry Ice, 9, UN 1845 ______ x ______ kg. 904 III
[ ] DESCRIPTION
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6

PACKAGES	WEIGHT In Pounds Only	YOUR DECLARED VALUE (See right)
1	10	—
Total	Total 10	Total —

DIM SHIPMENT (Chargeable Weight) [ ] lbs.
L x W x H

Received At
1 [ ] Regular Stop 3 [ ] Drop Box 4 [ ] B.S.C. [x] On-Call Stop 5 [ ] Station

SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY

Use of this airbill constitutes your agreement to the service conditions in our current Service Guide, available upon request. See back of sender's copy of this airbill for information. Service conditions may vary for Government Overnight Service. See U.S. Government Service Guide for details.

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Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 4/94
PART #145412 FXEM 7/94
FORMAT #160
160
PRINTED IN U.S.A.

SENDER'S COPY

LaRussell's Cleaners - Subsurface Soil Samples

Shipped 10/11/96

nytest environmental Inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: Dvirka & Bartolucci
Address: 231 Salina Meadows Pkwy Suite 170
N. Syracuse, N.Y. 13212

Project Manager: ~~G.G~~ Gerry Gould
Phone: 315 451-2811 FAX: 315-451-2854
Project Name: La Russell's Cleaners
Project Number: 1357
P.O. #:
Analytical Protocol: _____ Deliverables: _____
Sampled By: G. Gould

Analysis Requested

No. of Containers | Total Org. Carbon

Bin #'s In/Out (For Lab Use Only)

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	Total Org. Carbon
	SB1SS1	10/9	15:04	LC-SB-1-SS-1	1	✓
	SB2SS1	10/9	14:25	LC-SB-2-SS-1	1	✓
	SB2SS3	10/9	14:41	LC-SB-2-SS-3	1	✓
	SB3SS2	10/10	7:53	LC-SB-3-SS-2	1	✓
	SB3SS4	10/10	8:05	LC-SB-3-SS-4	1	✓
	SB4SS2	10/10	9:04	LC-SB-4-SS-2	1	✓
	SB4SS3	10/10	9:10	LC-SB-4-SS-3	1	✓
	SB4SS4	10/10	9:18	LC-SB-4-SS-4	1	✓
	SB4MSS-	10/10	9:18	LC-SB-4-SS-4-MS	1	✓
	SB4MSD	10/10	9:18	LC-SB-4-SS-4MSD	1	✓

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name: Gerald Gould	10/11 15:30	Print Name: To Fed EX	
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	
Relinquished by:	Date / Time	Received by Laboratory:	Date / Time
Print Name:		Print Name:	

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: _____ Degrees Celsius
INSPECTED BY: _____
COMMENTS: _____

Special Instructions: _____

CLIENT RETAINS YELLOW COPY ONLY

nytest environmental Inc.
(516) 625-5500 FAX: (516) 625-1274

Chain of Custody Record

Client Name: D+B
Address:
Project Manager:
Phone: FAX:
Project Name: LaRussells Cleaners
Project Number: 1797
P.O. #:
Analytical Protocol: Deliverables:
Sampled By:

Analysis Requested

No. of Containers | Total Organic Carbon

Bin #'s In/Out (For Lab Use Only)

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Date Sampled	Time Sampled	Sample Description	No. of Containers	Total Organic Carbon
	SB5552	10/10	10:40	LC-SB-5-55-2	1	✓
	SB6553	10/10	10:11	LC-SB-6-55-3	1	✓
	SB7551	10/9	17:59	LC-SB-7-55-1	1	✓

Login #:
Ship to:
Nytest Environmental Inc.
60 Seaview Blvd
Port Washington N.Y. 11050
Attn.: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Cooler #:
C of C #:
SDG #:
NEI QT #:

Comments

Relinquished by:	Date / Time	Received by:	Date / Time
Print Name: Gerda Gould	10/11 15:30	Print Name: To Fed Ex	
Relinquished by:	Date / Time	Received by:	Date / Time
Print Name:		Print Name:	
Relinquished by:	Date / Time	Received by Laboratory:	Date / Time
Print Name:		Print Name:	

Lab Use Only

Custody Seals: Intact Broken Absent
Sample Rec'd in Good Condition?: Y N
Sample Temperature: _____ Degrees Celsius
INSPECTED BY:
COMMENTS:

Special Instructions:

CLIENT RETAINS YELLOW COPY ONLY

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: D+B

Project Name / Number: 1397 LaRussells Cleaners

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (315) -451 - 2911
Fax # (315) -451 - 2954

Page 1 of 1

Send Report to: Gerald Gould
D+B
231 Salina Meadows Pkwy/ Suite 110
N. Syracuse, NY 13212

Send Invoice to: same

P.O. # 1397 - 2X

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL + TIC, ASP91-1
LC-SB-1-SS-1	11/5	15:09		✓		✓		gg	1
LC-SB-1-SS-2	11/5	15:09		✓		✓		gg	1
LC-SB-1A-SS-3	11/5	15:34		✓		✓		gg Composite	1
LC-SB-1A-SS-4	11/5	15:38		✓		✓		gg	1
LC-SB-1A-SS-5	11/5	15:48		✓		✓		gg	1

REMARKS: * Run analysis by compositing all 5 samples

* Run only LC-SB-1A-SS-3

Total Containers - 5

SAMPLER'S NAME: Gerald Gould **SIGNATURE:** Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: SIGNATURE: Gerald Gould	DATE: 11/11/96 TIME: 12:11	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp _____ ° C TS TB TM

Airbill #

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: D+B

Project Name / Number: LaRussells Cleaners 1397-2A

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # ( ) - -
Fax # ( ) - -

Page 2 of 2

Send Report to: _____

Send Invoice to: _____

P.O. # _____

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL+10, ASP91-1
LC-SB-2-SS-1	12/9	1413				✓			4
LC-SB-2-SS-2	"	1413				✓			1
LC-SB-2-SS-3	"	1414				✓			1
LC-SB-2-GW	↓	1657		✓	✓				2

REMARKS:

Total Containers - 5

SAMPLER'S NAME: Gerald Gould **SIGNATURE:** Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Gerald Gould	DATE: 12/11/92	NAME:	DATE:
SIGNATURE: Gerald Gould	TIME: 12:11	SIGNATURE:	TIME:
NAME:	DATE:	Received For Laboratory By:	DATE:
SIGNATURE:	TIME:	*(Signature)*	TIME:
NAME:	DATE:	Received For Laboratory By:	DATE:
SIGNATURE:	TIME:	*(Signature)*	TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.

Shipment Complete? ☐ Yes ☐ No

Temp _____ °C TS TB TM

Airbill #

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: D+B

Project Name / Number: LeRussells Cleaners 1357-2A

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # ( ) - -
Fax # ( ) - -

Page 3 of 4

Send Report to: _____ Send Invoice to: _____

P.O. # _____

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	TYPE Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL + TO, ASP91
LC-SB-3-SS-1	10/11	7:48				✓		gg	1
LC-SB-3-SS-2		7:53				✓		* comp. A	1
LC-SB-3-SS-3		7:59				✓		gg	1
LC-SB-3-SS-4		8:05				✓			1
LC-SB-3-SS-5		8:09				✓		gg ** Comp. B	1
LC-SB-3-SS-6		8:14				✓			1
		?							
LC-SB-3-GW		8:41		✓					2

REMARKS:
* Run 1 analysis of a composite of SS-1, 2, and 3 gg
** Run 1 analysis of a composite of SS-4, 5 and 6 gg
gg Run LC-SB-3-SS-2 and LC-SB-3-SS-4 only
Run LC-SB-3-GW

Total Containers - 9

SAMPLER'S NAME: Gerald Gould **SIGNATURE:** Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: SIGNATURE: Gerald Gould	DATE: 10/11/96 TIME: 12:11	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp _____ ° C TS TB TM

Airbill #

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: D + B

Project Name / Number: La Russell's Cleaners 1397

n-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by:
Ph # ( ) - -
Fax # ( ) - -

Page 4 of 6

Send Report to:

Send Invoice to:

P.O. #

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE Comp.	Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL + 10 ASP91
~~LC-SB-4-SS-1~~	~~10/10~~	~~9:0?~~				~~✓~~		~~* composite~~	~~1~~
LC-SB-4-SS-2	10/10	9:04				✓		* ~~gr~~	1
LC-SB-4-SS-3	10/10	9:10				✓			1
LC-SB-4-SS-3 MS	10/10	9:10				✓			1
LC-SB-4-SS-3 MSD	10/10	9:10				✓			1
LC-SB-4-SS-4	10/10	9:18				✓		** ~~composite~~	1
~~LC-SB-4-SS-5~~	~~10/10~~	~~9:24~~				~~✓~~		~~gr~~	~~1~~
LC-SB-4-GW	10/10	9:15		✓	✓				2

gr (margin)

REMARKS: ~~* Run 1 analysis of a composite of SS-1 and SS-2~~ gr
~~** Run 1 analysis of a composite of SS-4 and SS-5~~

Total Containers - 9

SAMPLER'S NAME: Gerald Gould   SIGNATURE: Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: Gerald Gould SIGNATURE: Gerald Gould	DATE: 10/11/96 TIME: 12:11	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: *(Signature)*	DATE: TIME:

VOC Pres U P AU NA
Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No
Temp ______ °C TS TB TM
Airbill #

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: D & B

Project Name / Number: LaRussell's Cleaners 1357-2A

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # ( ) - -
Fax # ( ) - -

Page 5 of ___

Send Report to: _____

Send Invoice to: _____

P.O. # _____

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL + TO 15 VOA
gw LC-SB-5-SS-1	10/10	10:25		✓		✓		* Composite	1
LC-SB-5-SS-2	10/10	10:40		✓		✓			1
gw LC-SB-5-SS-3	10/10	10:55		✓		✓			1
LC-SB 6 - GW	10/10	11:00		✓		✓			2
Trip Blank				✓	✓				2

REMARKS: * RUN 1 analysis of a composite of SS-1, SS-2 and SS-3 gw

Total Containers - 7

SAMPLER'S NAME: Gerald Gerlach SIGNATURE: Gerald Gerlach

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: SIGNATURE: Gerald Gerlach	DATE: 10/11/96 TIME: 12:11	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.

Shipment Complete? ☐ Yes ☐ No

Temp _____ ° C TS TB TM

Airbill #

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: D & B

Project Name / Number: LaRussell's Cleaners 1397

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # ( ) - -
Fax # ( ) - -

Page 6 of 6

Send Report to: _____

Send Invoice to: _____

P.O. # _____

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL + 10, NSPS1-1
LC-SB-6-SS-2	14/10	10:04		✓		✓		Composite	1
LC-SB-6-SS-3	14/10	10:11		✓		✓			1
LC-SB-6-SS-4	14/10	10:18		✓		✓			1
LC-SB-7-SS-1	14/10	17:59		✓		✓			1

REMARKS: 1 composite analysis of a composite of SS-2, SS-3, SS-4

Total Containers - 4

SAMPLER'S NAME: Gerald Gould SIGNATURE: Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: SIGNATURE: Gerald Gould	DATE: 14/11/96 TIME: 17:11	NAME: SIGNATURE:	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:
NAME: SIGNATURE:	DATE: TIME:	Received For Laboratory By: (Signature)	DATE: TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.

Shipment Complete? ☐ Yes ☐ No

Temp _____ ° C TS TB TM

Airbill #

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-1 0-2'

FIELD SAMPLE I.D. NUMBER LC-SB-1-SS-1 DATE 10/9/96

TIME 15:04 WEATHER Sunny TEMPERATURE 65°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

	TCL+10		
	TOC		

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Rossell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-1 2-4'

FIELD SAMPLE I.D. NUMBER LC-SB-1-SS-2 DATE 10/9/91

TIME 15:09 WEATHER Sunny TEMPERATURE 65°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

TCL + 10

REMARKS: insufficient sample for TOC

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-1A

FIELD SAMPLE I.D. NUMBER LC-SB-A-SS-3 DATE 10/9/96

TIME 15:34 WEATHER Sunny TEMPERATURE 65°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

TCL +10

REMARKS: black soil, septic odor, insufficient sample for TOC

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-1A

FIELD SAMPLE I.D. NUMBER LC-SB-1A-SS-4 DATE 10/9/96

TIME 15:38 WEATHER sunny TEMPERATURE 65°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) O.O

CONSTITUENTS SAMPLED:

TCL + 10

REMARKS: wet, septic odor, insufficient sample for ~~TCL~~ TOC

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G Gadd

SAMPLE LOCATION/WELLNO. B-1A 8-9.5'

FIELD SAMPLE I.D. NUMBER LC-SB-A-SS-5 DATE 10/9/96

TIME 15:43 WEATHER Sunny TEMPERATURE 65°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) O.O

CONSTITUENTS SAMPLED: TCL+10 TOC

REMARKS: septic odor, black soil, wet

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-2 SS-1 0-2'

FIELD SAMPLE I.D. NUMBER LC-SB-2-SS-1 DATE 10/9/96

TIME 14:25 WEATHER Sunny TEMPERATURE 62°C

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) O.O

CONSTITUENTS SAMPLED:

	TCLTO	TOC	

REMARKS: —

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russells Cleaners SAMPLE CREW C Gould

SAMPLE LOCATION/WELLNO. B-2 SS-2 2'-4'

FIELD SAMPLE I.D. NUMBER LC-SB-2-SS-2 DATE 10/9/96

TIME 14:33 WEATHER Sunny TEMPERATURE 62°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0-0

CONSTITUENTS SAMPLED:

TCL + TO

REMARKS: insufficient sample for TOC

WELL CASING VOLUMES

GAL/FT			
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. B-2 SS-3 4'-6'

FIELD SAMPLE I.D. NUMBER LC-SB-2-SS-3 DATE 10/9/91

TIME 11:41 WEATHER Sunny TEMPERATURE 62°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) O·O

CONSTITUENTS SAMPLED:

	TCL+10	TOC	

REMARKS: wet Sample

WELL CASING VOLUMES

GAL/FT			
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-2 Groundwater

FIELD SAMPLE I.D. NUMBER LC-SB-2-GW DATE 10/9/96

TIME 16:57 WEATHER Sunny TEMPERATURE 60°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER 4.5' MEASUREMENT METHOD Tape

DEPTH OF ~~WELL~~ Boring 6.0' MEASUREMENT METHOD Tape

VOLUME REMOVED none REMOVAL METHOD —

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR n/a

TEMPERATURE (°F) n/a SPECIFIC CONDUCTANCE (umhos/cm) n/a

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

TCL + 10

REMARKS: sampled from Temporary well, 1" diameter

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW C. Gould

SAMPLE LOCATION/WELLNO. B-3

FIELD SAMPLE I.D. NUMBER LC-SB-3-SS-1 DATE 10/10/96

TIME 7:48 WEATHER overcast, rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

	TCL+10	TOC	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-3

FIELD SAMPLE I.D. NUMBER LC-SB-3-SS-2 DATE 10/16/96

TIME 7:53 WEATHER cloudy, rain TEMPERATURE 55° F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: _____ TCL+TO TOC _____ _____

_____ _____ _____ _____

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-3

FIELD SAMPLE I.D. NUMBER LL-SB-3-SS-3 DATE 10/10/96

TIME 7:59 WEATHER cloudy, rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER N/A MEASUREMENT METHOD N/A

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED N/A REMOVAL METHOD N/A

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

	TCL + TO	TOC	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-3

FIELD SAMPLE I.D. NUMBER LC-SB-3-SS4 DATE 10/10/96

TIME 8:05 WEATHER cloudy rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER N/A MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED N/A REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

	TCL+TO	TOC	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW C Gould

SAMPLE LOCATION/WELLNO. SB-3

FIELD SAMPLE I.D. NUMBER LC-SB-3-55-5 DATE 10/10/96

TIME 8:14 WEATHER cloudy, rain TEMPERATURE 65° F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER N/A MEASUREMENT METHOD N/A

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED N/A REMOVAL METHOD N/A

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+10 TOC

REMARKS:

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-3

FIELD SAMPLE I.D. NUMBER LC-SB-3-SS-6 DATE 10/10/96

TIME 9:21 WEATHER cloudy - rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER N/A MEASUREMENT METHOD N/A

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED N/A REMOVAL METHOD N/A

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+TO TOC

REMARKS:

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-3

FIELD SAMPLE I.D. NUMBER LL-SB-3-GW DATE 10/10/96

TIME 8:41 & 9:34 WEATHER Cloudy rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT ____

SURFACE WATER/STREAM ____ AIR ____

SOIL ____ OTHER (Describe, i.e., septage, leachate) ____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER ≃ 10' MEASUREMENT METHOD Tape

DEPTH OF WELL ≃ 11.5' MEASUREMENT METHOD Tape

VOLUME REMOVED — REMOVAL METHOD —

FIELD TEST RESULTS:

COLOR — pH — ODOR —

TEMPERATURE (°F) — SPECIFIC CONDUCTANCE (umhos/cm) —

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL + 10

REMARKS: gw sample from 1" dia temporary well

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-4

FIELD SAMPLE I.D. NUMBER LC-SB-4-SS-1 DATE 10/10/96

TIME 8:59 WEATHER cloudy, rain TEMPERATURE ~~60~~ 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) O.O

CONSTITUENTS SAMPLED: TCL+10 TOC

REMARKS:

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussells Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-4

FIELD SAMPLE I.D. NUMBER LC-SB-4-SS-2 DATE 10/10/96

TIME 9:04 WEATHER cloudy, rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER N/A MEASUREMENT METHOD N/A

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED N/A REMOVAL METHOD N/A

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) O.O

CONSTITUENTS SAMPLED: TCL + TO TOC

REMARKS:

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

MS/MSD

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russells Cleaners SAMPLE CREW C. Gould

SAMPLE LOCATION/WELLNO. B-4

FIELD SAMPLE I.D. NUMBER LL-SB-4-SS-3 DATE 10/10/96

TIME 9:10 WEATHER cloudy rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

TCL+10 and MS/MSD

TOC no MS/MSD

REMARKS: MS & MSD for TCL+10 taken here

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

* MS/MSD

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russells Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-4

FIELD SAMPLE I.D. NUMBER LC-SB-4-SS-4 DATE 10/10/96

TIME 9:18 WEATHER Cloudy - rain TEMPERATURE 53°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER N/A MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+10 - no MS/MSD

TOC - MS/MSD

REMARKS: MS/MSD for TOC collected here.

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-4

FIELD SAMPLE I.D. NUMBER LC-SB-4-SS5 DATE 10/10/96

TIME 9:24 WEATHER cloudy, rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

	TCL+10	TCL	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russells Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-4

FIELD SAMPLE I.D. NUMBER LL-SB-4-GW DATE 10/10/96

TIME 9:45 WEATHER cloudy, rain TEMPERATURE 55°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT ____

SURFACE WATER/STREAM ____ AIR ____

SOIL ____ OTHER (Describe, i.e., septage, leachate) ____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER ~8' MEASUREMENT METHOD tape

DEPTH OF WELL ~9' MEASUREMENT METHOD tape

VOLUME REMOVED — REMOVAL METHOD —

FIELD TEST RESULTS:

COLOR ~ pH ~ ODOR —

TEMPERATURE (°F) ~ SPECIFIC CONDUCTANCE (umhos/cm) —

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

TCL+10

REMARKS: gw sampled from 1" dia PVC temporary well

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-5

FIELD SAMPLE I.D. NUMBER LL-SB-5-SS-1 DATE 10/10/96

TIME 10:36 WEATHER cloudy, rain TEMPERATURE 58°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: _____ TCL+TO TCL _____

_____ _____ _____ _____

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-5

FIELD SAMPLE I.D. NUMBER LL-SB-5-SS-2 DATE 10/10/96

TIME 10:40 WEATHER cloudy rain TEMPERATURE 58°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+TO TAL

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-5

FIELD SAMPLE I.D. NUMBER LL-SB-5-55-3 DATE 10/14/96

TIME 10:45 WEATHER cloudy, rain TEMPERATURE 58°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+TO TOC

REMARKS:

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. SB-5

FIELD SAMPLE I.D. NUMBER LL-SB5-6W DATE 10/10/91

TIME 11:00 WEATHER Cloudy TEMPERATURE 58°F

SAMPLE TYPE:

GROUNDWATER ✓ SEDIMENT —

SURFACE WATER/STREAM — AIR —

SOIL — OTHER (Describe, i.e., septage, leachate) —

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER ~ 4' MEASUREMENT METHOD tape

DEPTH OF WELL ~ 6' MEASUREMENT METHOD tape

VOLUME REMOVED — REMOVAL METHOD —

FIELD TEST RESULTS:

COLOR — pH — ODOR —

TEMPERATURE (°F) — SPECIFIC CONDUCTANCE (umhos/cm) —

OTHER (OVA, Methane meter, etc.) O.O

CONSTITUENTS SAMPLED: TCL+10

REMARKS: gw sampled from 1" dia PVC temporary well

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW C. Gould

SAMPLE LOCATION/WELLNO. B-6

FIELD SAMPLE I.D. NUMBER LC-SB-6-SS-2 DATE 10/10/96

TIME 10:04 WEATHER Cloudy TEMPERATURE 58°

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+TAL TOC

REMARKS:

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. B-6

FIELD SAMPLE I.D. NUMBER LL-SB-6-SS-3 DATE 10/10/96

TIME 10:11 WEATHER Cloudy TEMPERATURE 58°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED:

	TCL+TO	TOC	

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. B-6

FIELD SAMPLE I.D. NUMBER LC-SB-6-SS-4 DATE 10/10/96

TIME 10:18 WEATHER Cloudy TEMPERATURE 58°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: _____ TCL+TO TOC _____ _____

_____ _____ _____ _____

REMARKS: _____

WELL CASING VOLUMES

GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell's Cleaners SAMPLE CREW G Could

SAMPLE LOCATION/WELLNO. B-7

FIELD SAMPLE I.D. NUMBER LC-SB-7-SS-1 DATE 10/9/96

TIME 17:59 WEATHER clear TEMPERATURE 60°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL N/A MEASUREMENT METHOD N/A

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR _____ pH _____ ODOR _____

TEMPERATURE (°F) _____ SPECIFIC CONDUCTANCE (umhos/cm) _____

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+TO TOC

REMARKS: boring through floor of building

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

Galson Laboratory Request Form - *PLEASE RETURN WITH SAMPLES!!!*

Date of Request 10/8/96 Requested By KAB Date Prep Required: 10/8/96 4pm **RUSH ?**

Project Name _____ Ship By: UPS Fed Ex# _____

Contact Name Jerry Gould U.S. Mail (Client Pick-Up) Lab Deliver

Company Sirota + Bartolucci Phone: _____ FAX _____

Prep Delivery Address	Report Delivery Address	Invoice Delivery Address
_____	_____	_____
_____	_____	_____
_____	_____	_____

QC Level: Q1-DEC ASP Q3 Proj Spec Q4-SP/NPDES (Q5-RCRA) Deliv Level: D1(Std) (D8(Cat B))

Q6 Misc Q7-DW Q8-NIOSH/OSHA Q9-NJ ECRA Q10-CERCLA Q12-AA DE(Ext) DS (Superfund) D7

Analyte List: DEC TCL App IX/33 Table 9A + 504 Pri Pol TCLP 3/91 SSPL....Other: _____

Due Date: _____ Sample Deliv. Dates: _____ Bottles: (Level I (cert)) Level II

Analyte	Method/Matrix	# Samples (+ QC)	Size (ml)	Preservatives	~~Price~~
VOC+15	Water	6	40ml (2)	NONE	12

Charge for MS/MSD/MBS QC Check TB Other: _____

Number of Trip Blks Required: 1 (in duplicate). Field blank water? _____

Cooler Numbers: _____ Date Shipped: ALC 10/8/96

To Be Completed by Client: Date Samples Collected: _____ Date Shipped to Lab: _____

Sampling Site/Project: _____ Location: _____ Sampled By : _____

Sampler's Phone #: _____ Purchase Order #: _____

Comments: *Volatile samples should always be collected in duplicate*
All DEC ASP samples should be collected in duplicate
Do not rinse rinse out containers before sampling

Please return all coolers and unused bottles. Samples will be billed

Galson Laboratory Request Form - *PLEASE RETURN WITH SAMPLES!!!*

Date of Request 10/3 Requested By PWeaver Date Prep Required: 10/7 11am **RUSH ?**

Project Name La Russell Cleaners Ship By: UPS Fed Ex# _____

Contact Name Gerry Gould U.S. Mail Client Pick-Up (Lab Deliver)

Company Drirka & Bartilucci Phone: _____ FAX _____

Prep Delivery Address	Report Delivery Address	Invoice Delivery Address
231 Salina Meadows Pkwy		
Suite 120		
Syracuse NY 13212		

QC Level: (Q1-DEC ASP) Q3 Proj Spec Q4-SP/NPDES Q5-RCRA Deliv Level: D1(Std) DB(Cat B)

Q6 Misc Q7-DW Q8-NIOSH/OSHA Q9-NJ ECRA Q10-CERCLA Q12-AA DE(Ext) (DS (Superfund)) D7

Analyte List: DEC.TCL App IX/33 Table 9A + 504 Pri Poi TCLP 3/91 SSPL....Other: _____

Due Date: _____ Sample Deliv. Dates: _____ Bottles: Level I (cert) Level II

Analyte	Method/Matrix	# Samples (+ QC)	Size (ml)	Preservatives	Price
VOCs	91-1/Soil	40	120 ml		

Charge for MS/MSD/MBS QC Check TB Other: _____

Number of Trip Blks Required: _____(in duplicate). Field blank water? _____

Cooler Numbers: _____ Date Shipped: _____

To Be Completed by Client: Date Samples Collected: _____ Date Shipped to Lab: CD 10/4/96

Sampling Site/Project: _____ Location: _____ Sampled By : _____

Sampler's Phone #: _____ Purchase Order #: _____

Comments: *Volatile samples should always be collected in duplicate*
All DEC ASP samples should be collected in duplicate
Do not rinse rinse out containers before sampling

Please return all coolers and unused bottles. Samples will be billed

		NYTEST ENVIRONMENTAL INC.					*new shipping location!*
	SHIPPED FROM:				SHIP TO:		Dvirka & Bartilucci Consulting
	NYTEST ENVIRONMENTAL INC.				ADDRESS:		231 Salina meadows Parkway,
	60 SEAVIEW BLVD.						Suite# 120
	PORT WASHINGTON						Syracuse, NY 13212-4501
	NY 11050				ATTN:		Gerald Gould
	DELIVER ON:	Oct 7			PROTOCO		ASP
	DELIVER VIA:	overnight			REF:	Q	La Russell's Site#1397-2A
		SAMPLE CONTAINER INVENTORY					
		ANALYSIS	# OF	FIEL	#OF		
MATRIX	BOTTLE SIZE/CO	PARAMETE	BOTTL	BLK	DI H	RECD	CONDITION/COMMENTS
AQUEOU	40ML VIAL + HCL	VOA					2 PER SAMPLE
AQUEOU	40ML UNPRESE	VOA					2 PER SAMPLE
AQUEOU	ONE QUART B/R	BN/ AE/ BN					2 PER SAMPLE
AQUEOU	ONE QUART B/R	PEST/PCB					2 PER SAMPLE
AQUEOU	ONE QUART B/R	BNA+PEST/					4 PER SAMPLE
AQUEOU	1QTPLASTIC+HN	METALS TO					
AQUEOU	1QTPLASTIC+HN	METALS DI					FIELD FILTERED
AQUEOU	1PT PL. +ZNAC+	SULFIDE					
AQUEOU	1PT PLASTIC+NA	CYANIDE					TCN
AQUEOU	ONE QUART B/R	PCB					2 PER SAMPLE
Aqueous							
AQUEOU	1/2 PINT+H2SO4	PHENOL					
AQUEOU	1QT GLASS+HCL	TPHC					
AQUEOU	1QT GLASS+H2S	OG					
AQUEOU	1QT GLASS+H2S	MISC.					
AQUEOU	1 QUART PLASTIC**						
NON AQ	125ML JAR W/SE	VOA					
NON AQ	4 OZ JAR***						
NON AQ	8 OZ JAR***		42				Toc in soil is 4OZ sufficent?
NON AQ	32 OZ JAR***						
DI+HCL	TRIP BLANK	VOA					
	REMARKS:						COOLER#('s):
	BLUE ICE + COOLERS + COC + SEALS						
							#10
	PACKED BY:		REC'D BY:				
	DATE:	10/7	DATE:				
	SHIPPED BY:		INSPECTED BY:				
	* THIS BOTTLE CAN BE USED FOR COD,TOC,TKN,NH						L,TP,& NO3-NO2
	** THIS BOTTLE CAN BE USED FOR TSS,CR+6,pH,BO						4,MBAS,& SO3
	***ALL ANALYSIS CAN BE OBTAINED FROM THIS JAR						UNLESS VOA VIALS ARE SU

FEDERAL EXPRESS

USE THIS AIRBILL FOR SHIPMENTS WITHIN THE CONTINENTAL U.S.A., ALASKA AND HAWAII.
USE THE INTERNATIONAL AIR WAYBILL FOR SHIPMENTS TO PUERTO RICO AND ALL NON U.S. LOCATIONS.
QUESTIONS? CALL 800-238-5355 TOLL FREE.

AIRBILL PACKAGE TRACKING NUMBER 2593661464

4363N 2593661464

dispatch # for pickup 285

SENDER'S COPY

SENDER'S COPY

1 SENDER'S FEDERAL EXPRESS ACCOUNT NUMBER: 1245-4133-7 Date: 9/19/96

From (Your Name) Please Print: Gerald Gould
Your Phone Number (Very Important): 315-451-2811
Company: WILLIAM F COSULICH ASSOC PC (D+P) Department/Floor No.:
Street Address: 231 SALINA MEADOWS PKWY #120
City: SYRACUSE State: NY ZIP Required: 13212

2 To (Recipient's Name) Please Print: Pam Wender
Recipient's Phone Number (Very Important): (800)910-6564
Company: Gelson Lab Department/Floor No.:
Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes.): 6601 Kirkville Rd East
City: E. Syracuse State: NY ZIP Required: 13057

YOUR INTERNAL BILLING REFERENCE INFORMATION (optional) (First 24 characters will appear on invoice.)
1397-2A-2

H IF HOLD AT FEDEX LOCATION, Print FEDEX Address Here
Street Address:
City: State: ZIP Required:

3 PAYMENT 1 [x] Bill Sender 2 [ ] Bill Recipient's FedEx Acct. No. 3 [ ] Bill 3rd Party FedEx Acct. No. 4 [ ] Bill Credit Card
5 [ ] Cash/Check Acct./Credit Card No. Exp. Date

4 SERVICES (Check only one box)

Priority Overnight (Delivery by next business morning†)
11 [x] OTHER PACKAGING
16 [ ] FEDEX LETTER*
12 [ ] FEDEX PAK*
13 [ ] FEDEX BOX
14 [ ] FEDEX TUBE

Standard Overnight (Delivery by next business afternoon. No Saturday delivery†)
51 [ ] OTHER PACKAGING
56 [ ] FEDEX LETTER*
52 [ ] FEDEX PAK*
53 [ ] FEDEX BOX
54 [ ] FEDEX TUBE

Economy Two-Day (Delivery by second business day †)
30 [ ] ECONOMY*
* Economy Letter Rate not available. Minimum charge: One pound Economy rate.

Government Overnight (Restricted for authorized users only)
46 [ ] GOVT LETTER
41 [ ] GOVT PACKAGE

Freight Service (for packages over 150 lbs.)
70 [ ] OVERNIGHT FREIGHT** (Confirmed reservation required)
80 [ ] TWO-DAY FREIGHT**
† Delivery commitment may be later in some areas
*Declared Value Limit $500.
**Call for delivery schedule.

5 DELIVERY AND SPECIAL HANDLING (Check services required)

Weekday Service
1 [ ] HOLD AT FEDEX LOCATION WEEKDAY (Fill in Section H)
2 [x] DELIVER WEEKDAY

Saturday Service
31 [ ] HOLD AT FEDEX LOCATION SATURDAY (Fill in Section H)
3 [ ] DELIVER SATURDAY (Extra charge) (Not available to all locations)
9 [ ] SATURDAY PICK-UP (Extra charge)

Special Handling
4 [ ] DANGEROUS GOODS (Extra charge)
6 [ ] DRY ICE Dangerous Goods Shipper's Declaration not required
Dry Ice, 9, UN 1845, ____ X ____ kg, 904 III
[ ] DESCRIPTION
12 [ ] HOLIDAY DELIVERY (If offered) (Extra charge)

6

PACKAGES	WEIGHT in Pounds Only	YOUR DECLARED VALUE (See right)
1	15	1000
Total	Total	Total
1	15	1000

DIM SHIPMENT (Chargeable Weight)
[ ] ____ lbs.
L x W x H

Received At
1 [ ] Regular Stop 3 [ ] Drop Box
2 [ ] On-Call Stop 4 [ ] B.S.C. 5 [ ] Station

SERVICE CONDITIONS, DECLARED VALUE AND LIMIT OF LIABILITY

Use of this airbill constitutes your agreement to the service conditions in our current Service Guide, available upon request. See back of sender's copy of this airbill for information. Service conditions may vary for Government Overnight Service. See U.S. Government Service Guide for details.

We will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, and document your actual loss for a timely claim. Limitations found in the current Federal Express Service Guide apply. Your right to recover from Federal Express for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the declared value specified to the left. Recovery cannot exceed actual documented loss. The maximum Declared Value for FedEx Letter and FedEx Pak packages is $500.

In the event of untimely delivery, Federal Express will at your request and with some limitations refund all transportation charges paid. See Service Guide for further information.

7 Sender authorizes Federal Express to deliver this shipment without obtaining a delivery signature and shall indemnify and hold harmless Federal Express from any claims resulting therefrom.

Release Signature:

Federal Express Use
Base Charges
Declared Value Charge
Other 1
Other 2
Total Charges

REVISION DATE 4/94
PART #145412 EXEM 7/94
FORMAT #160
160
PRINTED IN U.S.A.

LaRussell's Cleaners - surface Soil ~~Bags~~ Samples
shipped 9/19/96

GALSON LABORATORIES
6601 Kirkville Road East
E. Syracuse, NY 13057
315-432-0506
800-950-0506

Company Name: Dvirka + Bartilucci

Project Name / Number: La Russell cleaners 1397-2A

Turn-Around Time
☑ - Standard Service
☐ - * Rush Service
Date requested by: _____
Ph # (516) 364-9892
Fax # ( ) - -

Page 1 of 1

Send Report to: Robbin Petrella
330 Crossways Park Drive
Woodbury, NY

Send Invoice to: Same

P.O. # _____

Chain of Custody Record

SAMPLE ID	Date	Time	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	Laboratory ID Number	PARAMETERS FOR ANALYSIS: TCL + TIC ASP 91-1
LC-ST-SD-1	9/19	10:52		✓		✓			1
LC-LP-SD-2	9/19	10:40		✓		✓			1
LC-SS-S-1	9/19	11:55		✓		✓			1
LC-SS-S-1 MS/MSD	9/19	11:55		✓		✓			2
LC-SS-S-2	9/19	12:16		✓		✓			1

REMARKS: Shipped in Galson 16qt cooler # 36

Total Containers - 6

SAMPLER'S NAME: Gerry Gould SIGNATURE: Gerald Gould

SAMPLES RELINQUISHED BY:		SAMPLES RECEIVED BY:	
NAME: G Gould	DATE: 9/19/96	NAME:	DATE:
SIGNATURE: G Gould	TIME: 4:15pm	SIGNATURE: Fed EX	TIME:
NAME:	DATE:	Received For Laboratory By:	DATE:
SIGNATURE:	TIME:	(Signature)	TIME:
NAME:	DATE:	Received For Laboratory By:	DATE:
SIGNATURE:	TIME:	(Signature)	TIME:

VOC Pres U P AU NA

Custody Seal Intact? ☐ Yes ☐ No ☐ N.A.
Shipment Complete? ☐ Yes ☐ No

Temp _____ °C TS TB TM

Airbill #

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE LaRussell Cleaners SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. ~~MH-1~~ ~~MH-1~~ MH-1

FIELD SAMPLE I.D. NUMBER LC-ST-SD-1 DATE 9/19/96

TIME 10:52 WEATHER Sunny 65° F TEMPERATURE 65° F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT ✓

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR n/a

TEMPERATURE (°F) n/a SPECIFIC CONDUCTANCE (umhos/cm) n/a

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+10 ASP Method 91-1

REMARKS: lint, cloth in sample

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. MH-4

FIELD SAMPLE I.D. NUMBER LC-LP-SD-2 DATE 9/19/96

TIME 10:40 WEATHER Sunny TEMPERATURE 62°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT ✓

SURFACE WATER/STREAM _____ AIR _____

SOIL _____ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR n/a

TEMPERATURE (°F) n/a SPECIFIC CONDUCTANCE (umhos/cm) n/a

OTHER (OVA, Methane meter, etc.) 0.0 in headspace of jar

CONSTITUENTS SAMPLED: TCL+10 ASP Method 91-1

REMARKS: gray water, septic odor

WELL CASING VOLUMES

GAL/FT				
	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell Cleaners SAMPLE CREW G. Gould

SAMPLE LOCATION/WELLNO. SS-1 - Under Stairs

FIELD SAMPLE I.D. NUMBER LC-SS-S-1 DATE 9/19/96

TIME 11:55 WEATHER Sunny TEMPERATURE 70°F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR n/a

TEMPERATURE (°F) n/a SPECIFIC CONDUCTANCE (umhos/cm) n/a

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL +10 ASP Method 91-1

REMARKS: MS/MSD Taken at this location

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

SITE La Russell Cleaners SAMPLE CREW G Gould

SAMPLE LOCATION/WELLNO. SS-1

FIELD SAMPLE I.D. NUMBER LC-SS-S-1-MS DATE 9/19/96

LC-SS-S-1-MSD

TIME ~~11:55~~ 9R WEATHER Sunny TEMPERATURE 75° F

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER n/a MEASUREMENT METHOD n/a

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED n/a REMOVAL METHOD n/a

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR n/a

TEMPERATURE (°F) n/a SPECIFIC CONDUCTANCE (umhos/cm) n/a

OTHER (OVA, Methane meter, etc.) 0.0

CONSTITUENTS SAMPLED: TCL+10 ASP Method 91-1

REMARKS:

WELL CASING VOLUMES				
GAL/FT	1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
	1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

DVIRKA AND BARTILUCCI

SAMPLE INFORMATION RECORD

TE LeRussell Cleaners SAMPLE CREW G. Galx

SAMPLE LOCATION/WELLNO. LC-SS-S-2

FIELD SAMPLE I.D. NUMBER LC-SS-S-2 DATE 9/19/96

TIME ~~11:55~~ 12:16 WEATHER Sunny 75°F TEMPERATURE ~~75~~°F

gg gg gg

SAMPLE TYPE:

GROUNDWATER _____ SEDIMENT _____

SURFACE WATER/STREAM _____ AIR _____

SOIL ✓ OTHER (Describe, i.e., septage, leachate) _____

WELL INFORMATION (fill out for groundwater samples):

DEPTH TO WATER _____ MEASUREMENT METHOD _____

DEPTH OF WELL n/a MEASUREMENT METHOD n/a

VOLUME REMOVED _____ REMOVAL METHOD _____

FIELD TEST RESULTS:

COLOR n/a pH n/a ODOR n/a

TEMPERATURE (°F) n/a SPECIFIC CONDUCTANCE (umhos/cm) n/a

OTHER (OVA, Methane meter, etc.) O.O

CONSTITUENTS SAMPLED: TCL+10 ASP 91-1

REMARKS: underneath stairs

WELL CASING VOLUMES

GAL/FT			
1-1/4" = 0.077	2" = 0.16	3" = 0.37	4" = 0.65
1-1/2" = 0.10	2-1/2" = 0.24	3-1/2" = 0.50	6" = 1.46

SIR

Galson Laboratory Request Form - *PLEASE RETURN WITH SAMPLES!!!*

Date of Request 9/16 Requested By PAW Date Prep Required: 9/17 RUSH ?

Project Name La Russell Cleaners Ship By: UPS Airborne Fed Ex# ______

Contact Name Gerry Gould (guest) U.S. Mail Client Pick-Up Lab Deliver

Company ______ Phone: ______ FAX ______

Prep Delivery Address	Report Delivery Address	Invoice Delivery Address
Heidi's Motel		
Rt 22		
Brewster NY 10509		

QC Level: Q1-DEC ASP Q3 Proj Spec Q4-SP/NPDES Q5-RCRA Deliv Level: D1(Std) D8(Cat B)

Q6 Misc Q7-DW Q8-NIOSH/OSHA Q9-NJ ECRA Q10-CERCLA Q12-AA DE(Exl) DS (Superfund) D7

Analyte List: DEC TCL App IX/33 Table 9A + 504 Pri Pol TCLP 3/91 SSPL....Other: ______

Due Date: ______ Sample Deliv. Dates: ______ Bottles: Level I (cert) Level II

Analyte	Method/Matrix	# Samples (+ QC)	Size (ml)	Preservatives	~~Price~~
VOCs	91-1/soil	14	120 ml	none	14

Charge for MS/MSD/MBS QC Check TB Other: ______

Number of Trip Blks Required: ______(in duplicate). Field blank water? ______

Cooler Numbers: ______ Date Shipped: 9/16/96 [illegible]

To Be Completed by Client: Date Samples Collected: ______ Date Shipped to Lab: ______

Sampling Site/Project: ______ Location: ______ Sampled By : ______

Sampler's Phone #: ______ Purchase Order #: ______

Comments: *Volatile samples should always be collected in duplicate*
All DEC ASP samples should be collected in duplicate
Do not rinse rinse out containers before sampling

Please return all coolers and unused bottles. Supplies will be billed

APPENDIX E

PRIVATE WELL SURVEY

Dvirka and Bartilucci
CONSULTING ENGINEERS

231 Salina Meadows Parkway-Suite 120, Syracuse, New York 13212-4501
315-451-2811 ▪ Fax: 315-451-2954

October 1996

Dear Resident:

Dvirka and Bartilucci Consulting Engineers, under direction of the New York State Department of Environmental Conservation (NYSDEC), is conducting a detailed environmental investigation of the LaRussell Cleaners Site on Route 52 in Lake Carmel, New York.

One of the tasks required by the NYSDEC is a survey of area water wells. Enclosed with this letter is a "Water Well Survey" form. We will return on _____ at _____ to collect questionnaires. You may also use the enclosed postage paid envelope to return the questionnaire.

The information you provide will be very helpful in assuring that the NYSDEC has good information upon which future decisions can be made.

If you have any questions about this form, please call Mr. Tom Gibbons, NYSDEC (518)457-1708 during normal business hours. You may also speak with us in person while we perform testing at the LaRussell site. Tentative testing dates are October 9-11, 1996 and October 21-30, 1996.

Thank you for your participation in this important survey.

Very truly yours,

Gerald Gould

Gerald Gould, C.G.W.P.
Field Operations Manager

GG/jm
Enclosures
\1443\10-2.gg

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:

Street _____

Town _____ State _____ Zip _____

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None _____ 1 _____ 2 or more _____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic _____ Irrigation _____ Livestock _____ Other _____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes _____ No _____
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground _____ Don't know _____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface _____ Don't know _____

6. In what year was the well constructed?
   Year _____ Don't know _____

7. How was the well constructed?
   Dug _____ Drilled _____ Pounded well point _____ Don't know _____ Other _____

8. Where is the bottom of your well?
   Soil _____ Bedrock _____ Don't know _____ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock _____ ft. Don't Know _____

Rec'd 11/1/96

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street #28 MOUNT HOPE ROAD

Town LAKE CARMEL State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 X 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic X Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ____ * NO REPORT OR LOG *
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 110 Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface ____ Don't know X

6. In what year was the well constructed?
   Year APPROX. 1960's Don't know ____

7. How was the well constructed?
   Dug ____ Drilled ____ Pounded well point ____ Don't know X Other ____

8. Where is the bottom of your well?
   Soil ____ Bedrock ____ Don't know X Other ____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know X

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know X

11. Has your well ever gone dry?
Yes _____ No X
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes X No _____
(If yes, briefly explain circumstances.) INSTALLED CULLIGAN WATER SYSTEM NEUTRALIZER - SOFTNER - REVERSE OSMOSIS SYSTEM FOR ABOVE WATER PROBLEMS AS WELL AS OTHERS

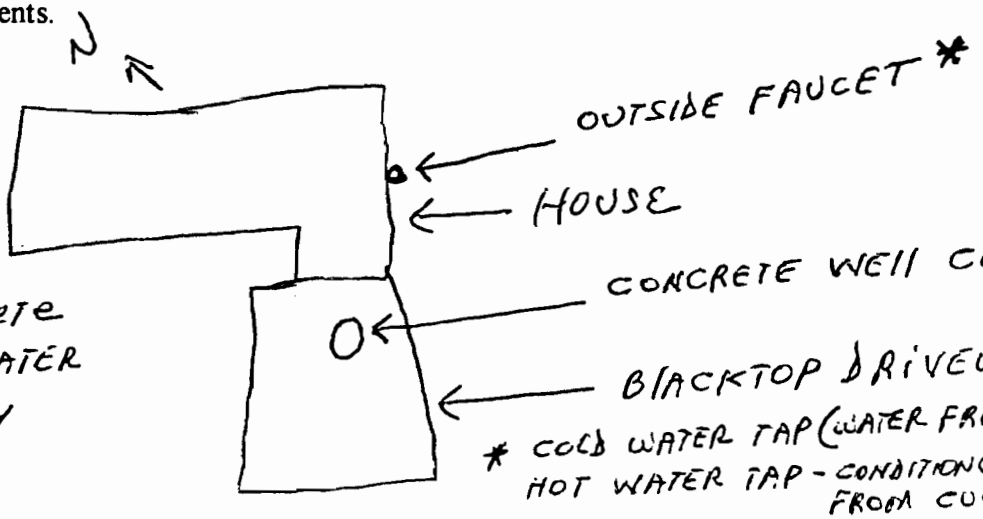
13. Has your well ever been tested?
Yes X No X

14. Do you have testing results you would be willing to share? N/A
Yes _____ No _____

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes X No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes X No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



* I HAVE A COMPLETE ANALYSIS OF MY WATER DONE APPROXIMATELY 5-6 YEARS AGO

QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street 16 Mount Hope Rd
Town Lk. Carmel State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
None _____ 1 ✓ 2 or more _____

(If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
Domestic ✓ Irrigation _____ Livestock _____ Other _____

3. Do you have a well completion report or well log for your well that you would be willing to share?
Yes _____ No ✓
I don't have a copy, but you may contact my well driller, who is ?

4. Approximately how deep is your well?
Indicate feet below ground 75? Don't know _____

5. What is the distance to the water surface in your well?
Distance from ground level to water surface _____ Don't know ✓

6. In what year was the well constructed?
Year _____ Don't know ✓

7. How was the well constructed?
Dug _____ Drilled ✓ Pounded well point _____ Don't know _____ Other _____

8. Where is the bottom of your well?
Soil _____ Bedrock _____ Don't know ✓ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
Depth to Bedrock _____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know ✓

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes ✓ No _____
(If yes, briefly explain circumstances.) OXIDATION ON PIPES FROM IRON AND COPPER LEVELS AS WELL AS SOME STAINING.

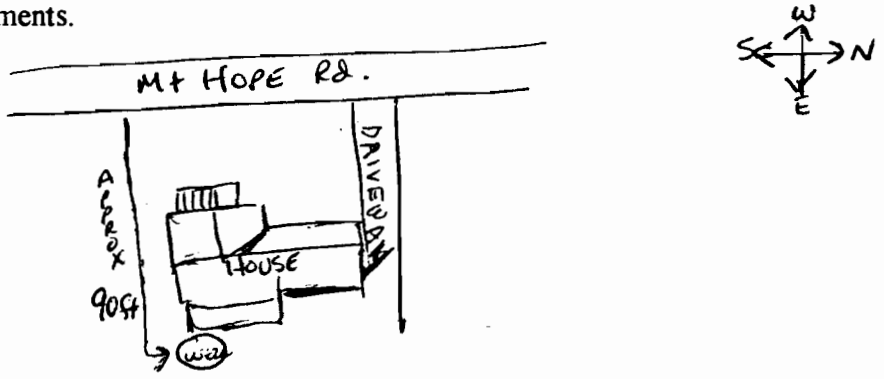
13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes ✓ No _____

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street 27 ADAMS COURT
Town CARMEL State N.Y. Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   ~~None~~ _____ 1 ✓ ~~2 or more~~ _____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation _____ Livestock _____ Other _____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes _____ No ✓
   I don't have a copy, but you may contact my well driller, who is ? _____

4. Approximately how deep is your well?
   Indicate feet below ground _____ Don't know ✓

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface _____ Don't know ✓

6. In what year was the well constructed?
   Year _____ Don't know ✓

7. How was the well constructed?
   Dug _____ Drilled _____ Pounded well point _____ Don't know ✓ Other _____

8. Where is the bottom of your well?
   Soil _____ Bedrock _____ Don't know ✓ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock _____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know ✓

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

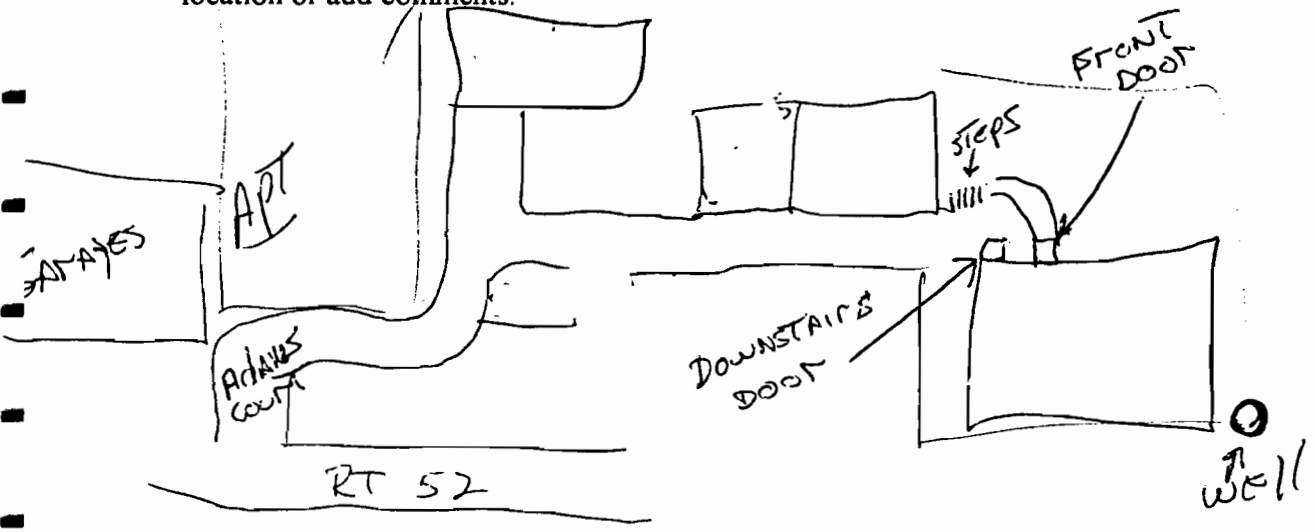
13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes _____ No ✓

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:

Street 10 Mt. Hope Rd

Town Lake Carmel State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 X 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic X Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No X
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 80-120 Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface ____ Don't know X

6. In what year was the well constructed?
   Year ____ Don't know X

7. How was the well constructed?
   Dug ____ Drilled ____ Pounded well point ____ Don't know X Other _____

8. Where is the bottom of your well?
   Soil ____ Bedrock ____ Don't know X Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 X Over 20 _____ Don't know _____

11. Has your well ever gone dry?
Yes _____ No X
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes _____ No X
(If yes, briefly explain circumstances.) _____

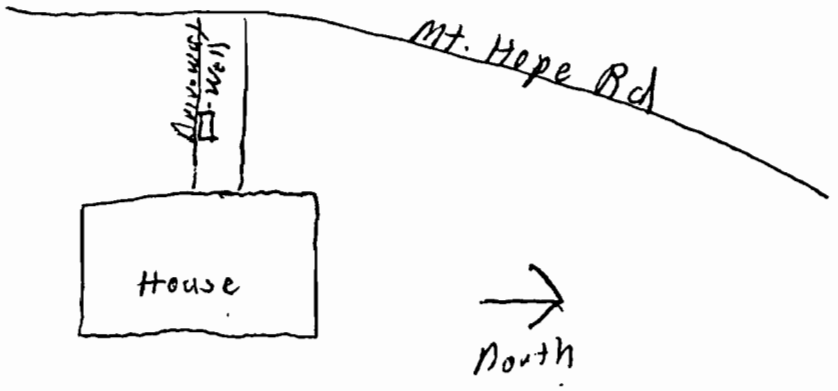
13. Has your well ever been tested?
Yes X No _____

14. Do you have testing results you would be willing to share?
Yes _____ No X

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes X No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes X No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ✓ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street 11 ADAMS CT. RD.11
Town Carmel (Kent) State N.Y. Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 ✓ 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ✓
   I don't have a copy, but you may contact my well driller, who is ?

4. Approximately how deep is your well?
   Indicate feet below ground 160 Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface ____ Don't know ?

6. In what year was the well constructed?
   Year ____ Don't know ?

7. How was the well constructed?
   Dug ____ Drilled ____ Pounded well point ____ Don't know ? Other ____

8. Where is the bottom of your well?
   Soil ____ Bedrock ____ Don't know ? Other ____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know ?

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know ?

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

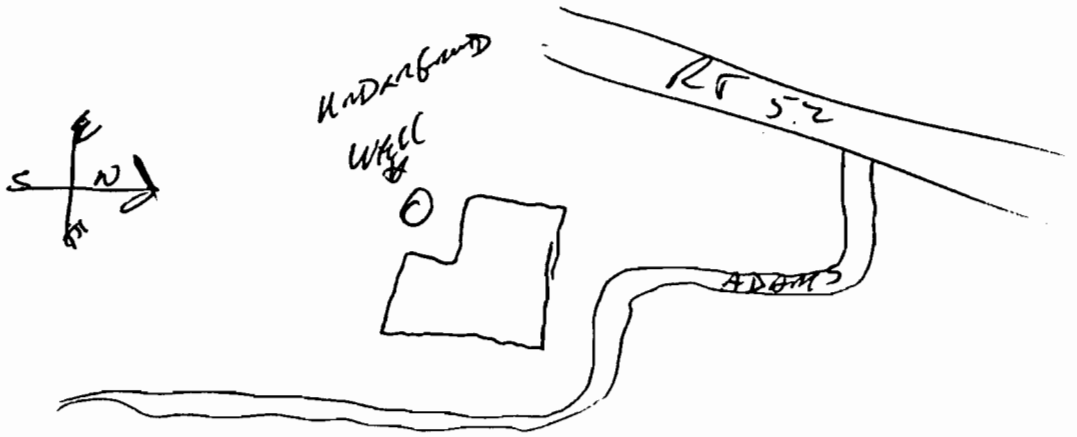
13. Has your well ever been tested?
Yes _____ No ✓

14. Do you have testing results you would be willing to share?
Yes _____ No ✓

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home.. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street 42 Hillside Rd

Town Carmel State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 ✓ 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ✓
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 450 ft. Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface 150 Don't know ____

6. In what year was the well constructed?
   Year 1986 Don't know ____

7. How was the well constructed?
   Dug ____ Drilled ✓ Pounded well point ____ Don't know ____ Other _____

8. Where is the bottom of your well?
   Soil ____ Bedrock ? Don't know ✓ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know X

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know X

11. Has your well ever gone dry?
Yes _____ No X
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes X No _____ Hard water, chlorine smell at times.
(If yes, briefly explain circumstances.) _____

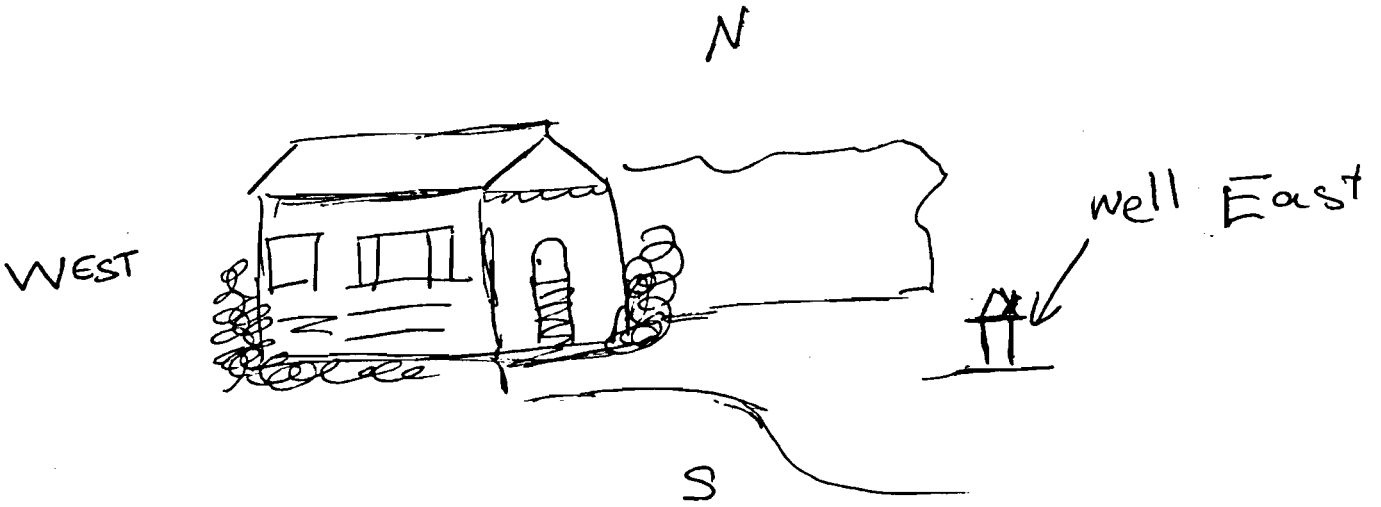
13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes X No _____

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes _____ No X Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes _____ No X Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

Rec'd 11/1/96

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:

Street RD 8 Sunset Rd

Town Kent Lakes State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 Y 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ✓
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 480' Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface 60'-80' Don't know ____

6. In what year was the well constructed?
   Year 1974 Don't know ____

7. How was the well constructed?
   Dug ____ Drilled ✓ Pounded well point ____ Don't know ____ Other _____

8. Where is the bottom of your well?
   Soil ____ Bedrock X Don't know ____ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock 20 ft. Don't Know ____

10. How much water does your well produce in gallons per minute?
0 to 5 X 6 to 20 _____ Over 20 _____ Don't know _____

11. Has your well ever gone dry?
Yes _____ No X
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes _____ No _____
(If yes, briefly explain circumstances.) HARD WATER

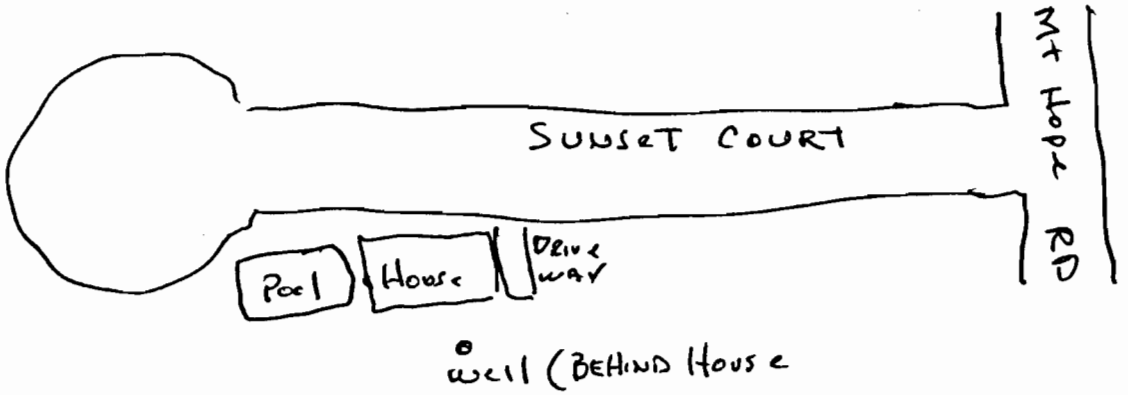
13. Has your well ever been tested?
Yes X No _____

14. Do you have testing results you would be willing to share?
Yes _____ No X

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes X No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes X No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Rec'd 4/4/97

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ___ and return the questionnaire in the enclosed envelope.

Respondent's Name _____ _____

Address of property where well is located:
Street 32 Kit. Hopper

Town Lake Carmel State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 ✓ 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ✓
   I don't have a copy, but you may contact my well driller, who is ?

4. Approximately how deep is your well?
   Indicate feet below ground 160' Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface ____ Don't know ✓

6. In what year was the well constructed?
   Year 19[illegible] Don't know ____

7. How was the well constructed?
   Dug ____ Drilled ✓ Pounded well point ____ Don't know ____ Other ____

8. Where is the bottom of your well?
   Soil ____ Bedrock ____ Don't know ✓ Other ____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know ____

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 ✓ Don't know _____

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes ✓ No _____
(If yes, briefly explain circumstances.) hard water

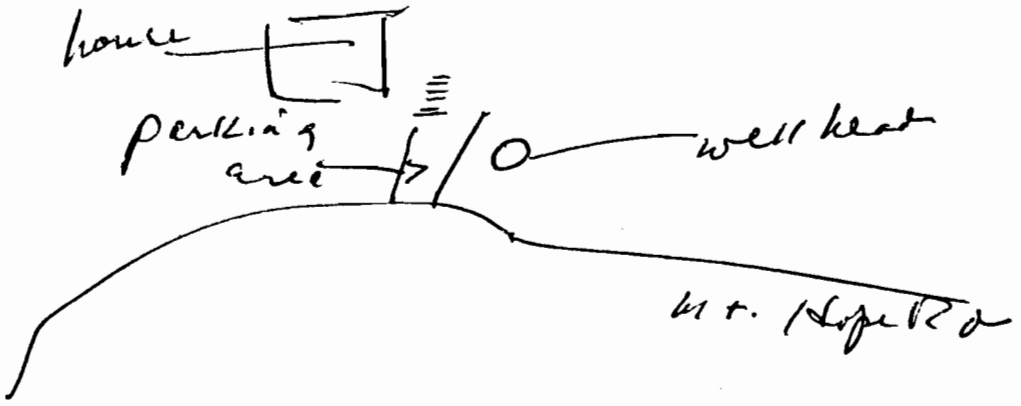
13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes _____ No ✓

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street 18 Hillside Rd.

Town Carmel State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 ✓ 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ✓
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 400' Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface 150' Don't know ____

6. In what year was the well constructed?
   Year 1975 Don't know ____

7. How was the well constructed?
   Dug ____ Drilled ____ Pounded well point ____ Don't know ✓ Other _____

8. Where is the bottom of your well?
   Soil ____ Bedrock ✓ Don't know ____ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know ✓

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes ✓ No _____
(If yes, briefly explain circumstances.) hard water

13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes ✓ No _____

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.

QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ✓ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:

Street 28 Wingdale Rd

Town Carmel State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 ✓ 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ✓
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 250? Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface ____ Don't know ✓

6. In what year was the well constructed?
   Year 1970's Don't know ____

7. How was the well constructed?
   Dug ____ Drilled ____ Pounded well point ____ Don't know ✓ Other _____

8. Where is the bottom of your well?
   Soil ____ Bedrock ____ Don't know ✓ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know ✓

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes _____ No _____
(If yes, briefly explain circumstances.) hard water.

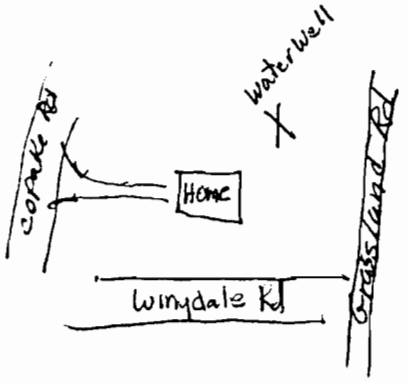
13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes ✓ No _____

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes _____ No ✓ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information ✓

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

Rec'd 10/31/96

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:

Street 26 HILLSIDE ROAD

Town LK CARMEL State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 ✓ 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No ✓
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 200 FT Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface 275 FT. Don't know ____

6. In what year was the well constructed?
   Year 1975 Don't know ____

7. How was the well constructed?
   Dug ____ Drilled ✓ Pounded well point ____ Don't know ____ Other _____

8. Where is the bottom of your well?
   Soil ____ Bedrock ____ Don't know ✓ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 ✓ Over 20 _____ Don't know _____

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes ✓ No _____
(If yes, briefly explain circumstances.) USING WATER SOFTENER

13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes _____ No ✓

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.

QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

Rec'd 11/1/96

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street 1 Wingdale Rd
Town Lake Carmel State NY Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 X 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic X Irrigation ____ Livestock ____ Other ____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes ____ No X
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground 150 Approx. Don't know ____

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface ____ Don't know X

6. In what year was the well constructed?
   Year ____ Don't know X

7. How was the well constructed?
   Dug ____ Drilled X Pounded well point ____ Don't know ____ Other _____

8. Where is the bottom of your well?
   Soil X Bedrock ____ Don't know ____ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock ____ ft. Don't Know ____

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 X Over 20 _____ Don't know _____

11. Has your well ever gone dry?
Yes X No _____
(If yes, briefly explain circumstances.) During severe drought.

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes X No _____
(If yes, briefly explain circumstances.) Green staining

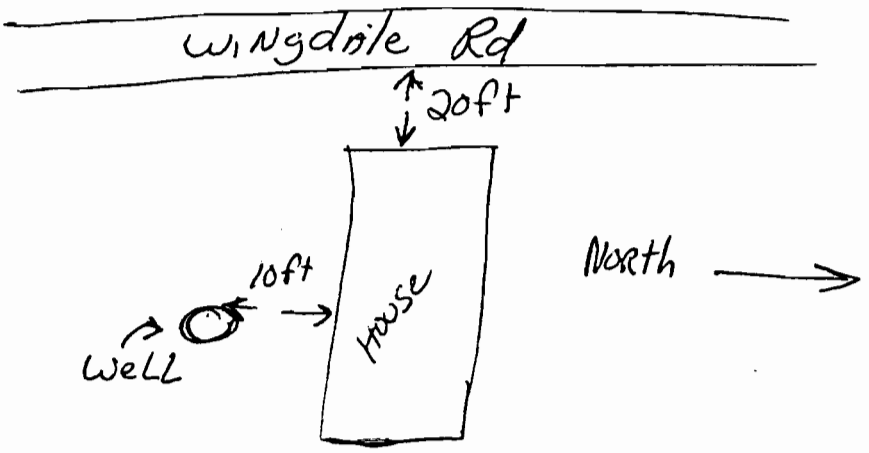
13. Has your well ever been tested?
Yes X No _____

14. Do you have testing results you would be willing to share?
Yes _____ No X

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes X No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes X No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:
Street P.O. BOX 157

Town CARMEL State NY Zip 10579

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None ____ 1 ✓ 2 or more ____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation _____ Livestock _____ Other _____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes _____ No ✓
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground _____ Don't know ✓

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface _____ Don't know ✓

6. In what year was the well constructed?
   Year 1987 Don't know _____

7. How was the well constructed?
   Dug ____ Drilled ✓ Pounded well point ____ Don't know ____ Other _____

8. Where is the bottom of your well?
   Soil _____ Bedrock _____ Don't know ✓ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock _____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know ✓

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes ✓ No _____
(If yes, briefly explain circumstances.) HARD WATER

13. Has your well ever been tested?
Yes ✓ No _____

14. Do you have testing results you would be willing to share?
Yes _____ No ✓

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____ , _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.

QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
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[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

WATER WELL SURVEY
LAKE CARMEL, NY

Rec'd 11/1/96

Dvirka and Bartilucci Consulting Engineers
231 Salina Meadows Parkway, Suite 120, N. Syracuse, NY 13212 (315)451-2811

LaRussell Cleaners Project
Lake Carmel, NY

If you are unwilling to participate, please check here ____ and return the questionnaire in the enclosed envelope.

Respondent's Name _____

Address of property where well is located:

Street 26 Adams Lane

Town Mt. Kent State N.Y. Zip 10512

(Please use back of page if your response requires more space.)

1. How many water wells exist on the property listed above?
   None _____ 1 ✓ 2 or more _____

   (If 0 wells, please indicate your water source and return your survey)

2. What is the primary use of well water on your property?
   Domestic ✓ Irrigation _____ Livestock _____ Other _____

3. Do you have a well completion report or well log for your well that you would be willing to share?
   Yes _____ No ✓
   I don't have a copy, but you may contact my well driller, who is _____

4. Approximately how deep is your well?
   Indicate feet below ground _____ Don't know ✓

5. What is the distance to the water surface in your well?
   Distance from ground level to water surface _____ Don't know ✓

6. In what year was the well constructed?
   Year 1962 Don't know _____

7. How was the well constructed?
   Dug _____ Drilled ✓ Pounded well point _____ Don't know _____ Other _____

8. Where is the bottom of your well?
   Soil _____ Bedrock _____ Don't know ✓ Other _____

9. If your well is completed in bedrock, do you know the depth to the top of bedrock?
   Depth to Bedrock _____ ft. Don't Know ✓

10. How much water does your well produce in gallons per minute?
0 to 5 _____ 6 to 20 _____ Over 20 _____ Don't know ✓

11. Has your well ever gone dry?
Yes _____ No ✓
(If yes, briefly explain circumstances.) _____

12. Do you ever experience water quality problems? (For instance, hard water, odors, iron staining. . .)
Yes _____ No _____
(If yes, briefly explain circumstances.) _____

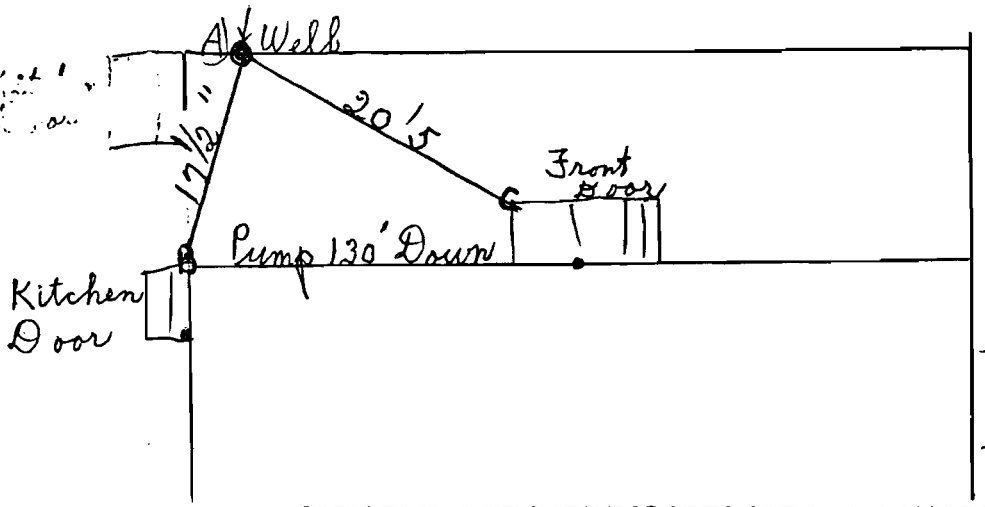
13. Has your well ever been tested?
Yes _____ No ✓

14. Do you have testing results you would be willing to share?
Yes _____ No ✓

15. It may become necessary to gather more information regarding your water well. Would you be willing to answer more questions by telephone?
Yes ✓ No _____ Daytime Phone No. _____

16. Would you be willing to allow us to collect a water sample from your well?
Yes ✓ No _____ Need More Information _____

17. Please sketch the location of the well(s), the nearest public road with name of road, and your home. Also use an arrow to indicate which direction is north On the sketch. Use the space below to sketch your well location or add comments.



Adams Lane off Rt. 52 opposite

Home is last house on top of Adams Lane left side.

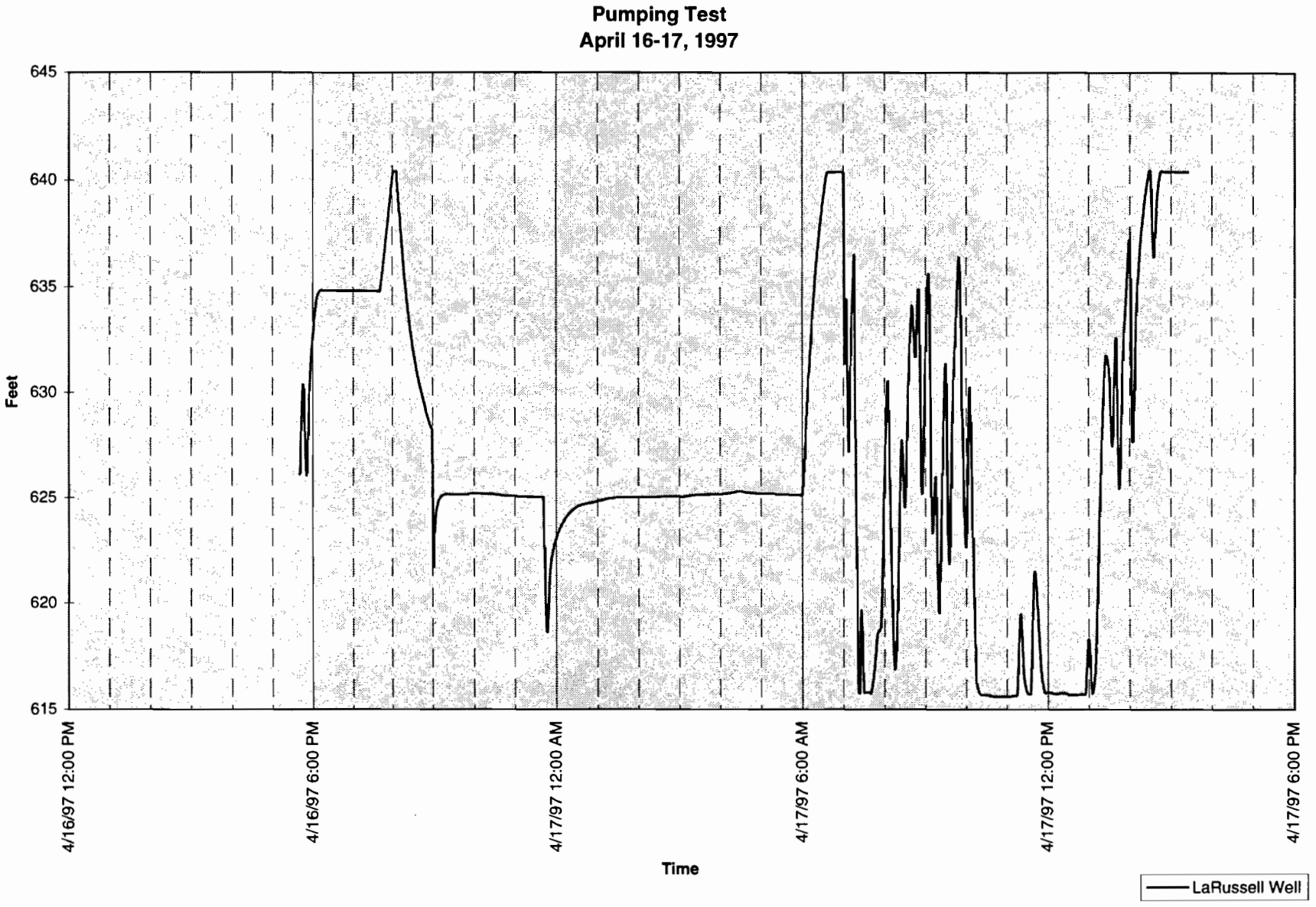
QUESTIONS REGARDING THIS SURVEY MAY BE DIRECTED TO
MR. TOM GIBBONS, NYSDEC (518)457-1708
OR
MR. GERALD GOULD, D&B (315)451-2811

[PLEASE PUT THIS SURVEY IN THE ENCLOSED ENVELOPE AND RETURN BY _____]

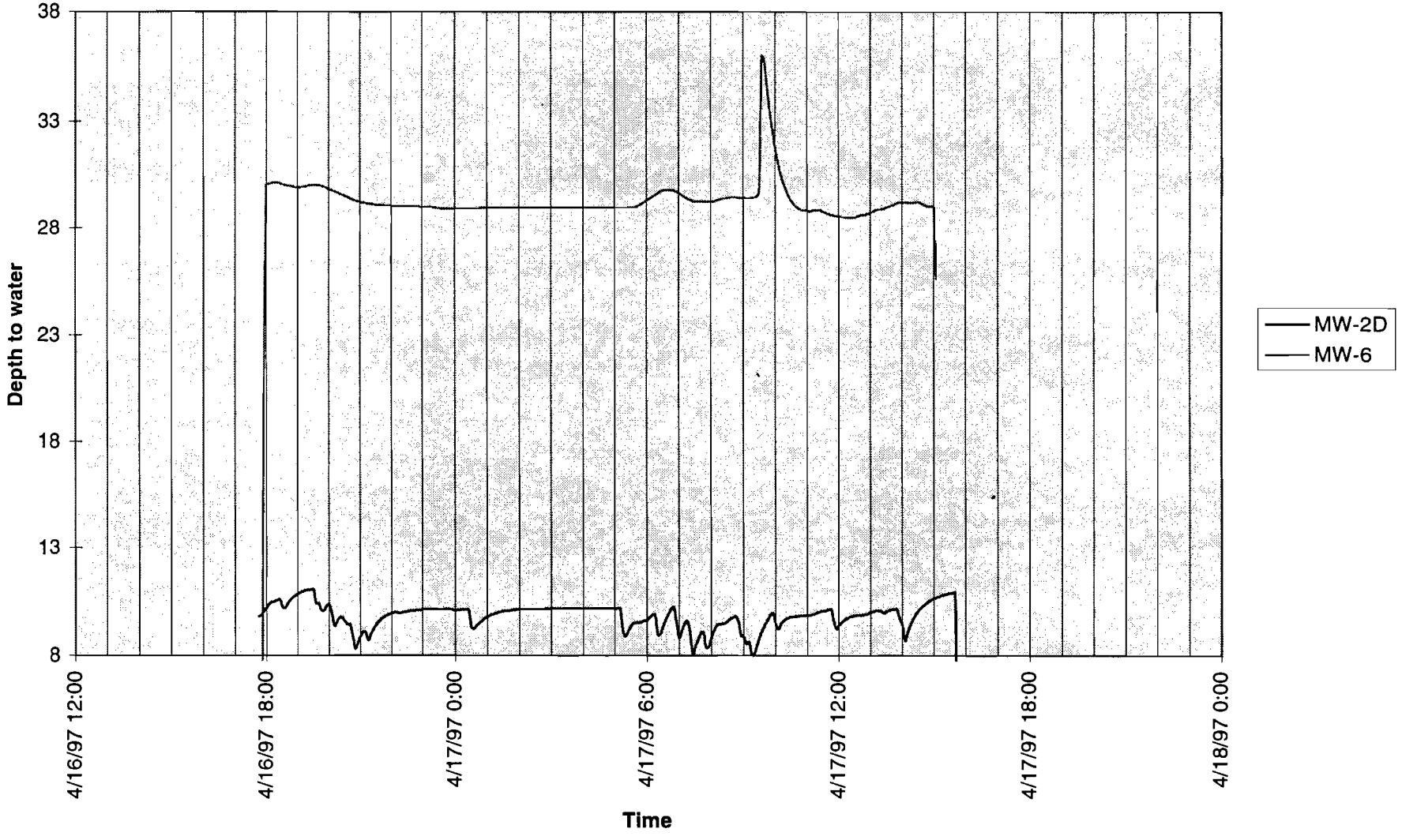
THANK YOU FOR TAKING THE TIME TO ANSWER THIS SURVEY

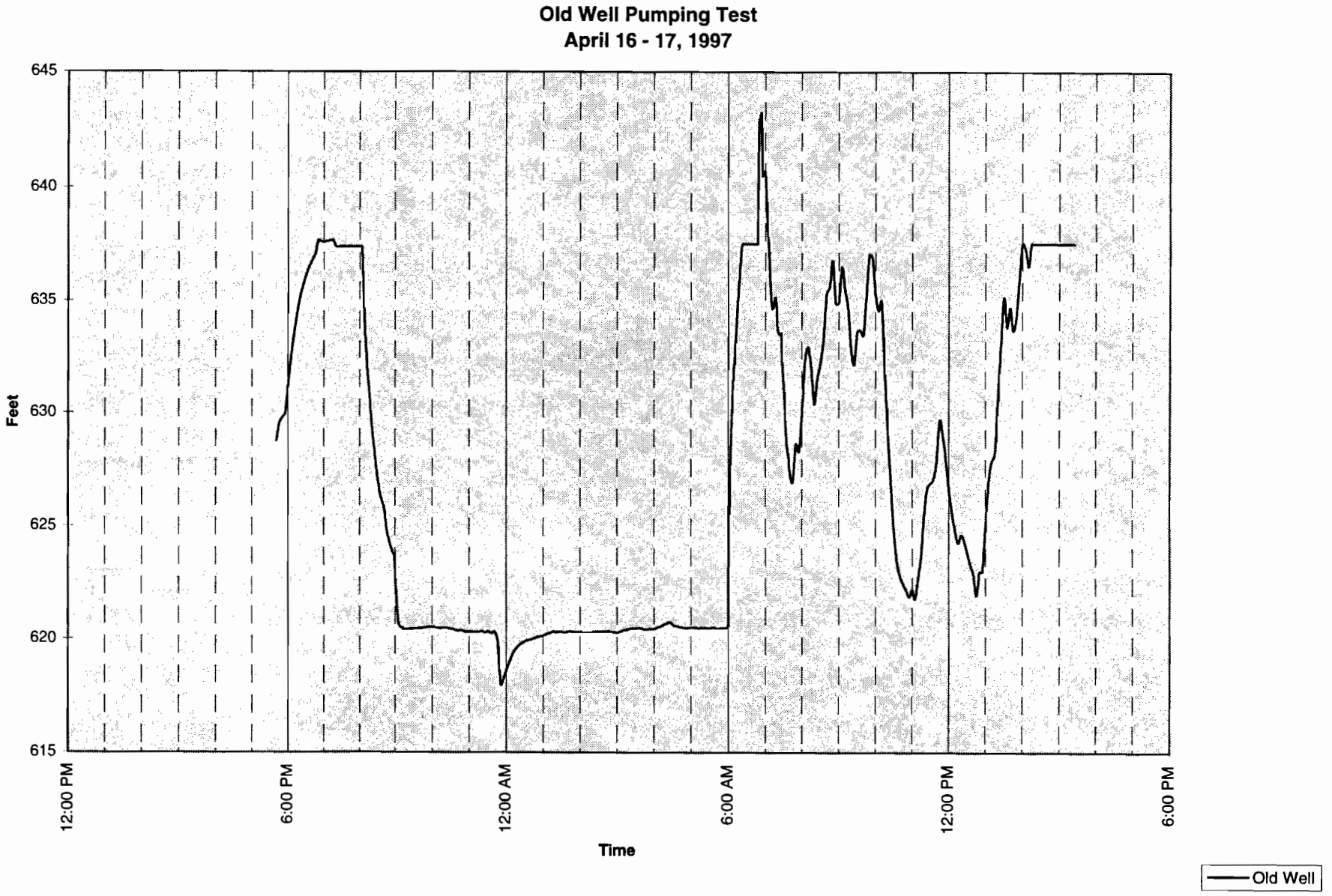
APPENDIX F

PUMPING TEST DATA


Pumping Test
April 16-17, 1997
645
640
635
630
625
620
615
Feet
4/16/97 12:00 PM
4/16/97 6:00 PM
4/17/97 12:00 AM
4/17/97 6:00 AM
4/17/97 12:00 PM
4/17/97 6:00 PM
Time
LaRussell Well

LaRussell's Cleaners Pumping Test Results




Old Well Pumping Test
April 16 - 17, 1997
645
640
635
630
625
620
615
Feet
12:00 PM
6:00 PM
12:00 AM
6:00 AM
12:00 PM
6:00 PM
Time
Old Well

"Date Thursday April 17, 1997 3:07 PM" Larfi .prn NYSDEC datalogger
"PlotFile LARFIN01.PRN"
"DataFile A:\LARFINAL.HEX"
"LaRussell Pump Test "
"Time of First Log in Specified Window "
3.55368340370655E+0004 8.34037037036978E-0001

		Analog#01"	Analog#02"	Analog#03"	Analog#04"	Analog#05"	Analog#06"	Analog#07"	Analog#08"
		"mw-3s(10b)."	"mw-3d(15a)."	"mw-7s(10e)."	"mw-7d(30a)."	"mw-8s(5a).."	"mw-8d(10c)."	"mw-9s(5b).."	"mw-9d(10d)."
"Date"	"Time"	"ft....."	"ft....."	"ft....."	"ft....."	"ft....."	"ft....."	"ft....."	"ft....."
35536.834037	0.834037	-2.6275E-02	-3.4077E-01	-2.5350E-02	-5.8039E-02	-2.1862E-02	-3.8231E-02	-2.2554E-02	-2.9631E-02
35536.834065	0.834065	-2.7719E-02	-3.4511E-01	-2.6794E-02	-5.8039E-02	-2.1862E-02	-3.8231E-02	-2.2554E-02	-2.9631E-02
35536.834075	0.834075	-2.9162E-02	-3.4511E-01	-2.8237E-02	-6.2370E-02	-2.2584E-02	-3.9675E-02	-2.2554E-02	-3.1075E-02
35536.834098	0.834098	-2.9162E-02	-3.4727E-01	-2.6794E-02	-5.8039E-02	-2.2584E-02	-3.8231E-02	-2.3276E-02	-3.1075E-02
35536.834109	0.834109	-3.0606E-02	-3.4727E-01	-2.8237E-02	-5.8039E-02	-2.1862E-02	-3.9675E-02	-2.2554E-02	-3.1075E-02
35536.834120	0.834120	-3.0606E-02	-3.4727E-01	-2.8237E-02	-6.2370E-02	-2.2584E-02	-4.1119E-02	-2.3276E-02	-3.1075E-02
35536.834131	0.834131	-3.0606E-02	-3.4944E-01	-2.8237E-02	-6.2370E-02	-2.1862E-02	-3.9675E-02	-2.3997E-02	-3.2519E-02
35536.834154	0.834154	-2.9162E-02	-3.4944E-01	-2.8237E-02	-6.2370E-02	-2.1862E-02	-3.9675E-02	-2.2554E-02	-3.1075E-02
35536.834164	0.834164	-3.0606E-02	-3.5160E-01	-2.8237E-02	-6.2370E-02	-2.1862E-02	-3.9675E-02	-2.3276E-02	-3.2519E-02
35536.834176	0.834176	-3.0606E-02	-3.5160E-01	-2.8237E-02	-6.2370E-02	-2.1140E-02	-4.1119E-02	-2.2554E-02	-3.2519E-02
35536.834187	0.834187	-3.2050E-02	-3.5377E-01	-2.8237E-02	-6.2370E-02	-2.2584E-02	-4.1119E-02	-2.3276E-02	-3.2519E-02
35536.834258	0.834258	-2.7719E-02	-3.5810E-01	-2.6794E-02	-6.2370E-02	-2.1862E-02	-3.8231E-02	-2.2554E-02	-3.1075E-02
35536.834317	0.834317	-3.0606E-02	-3.5810E-01	-2.6794E-02	-6.2370E-02	-2.1862E-02	-3.8231E-02	-2.2554E-02	-2.9631E-02
35536.834377	0.834377	-2.9162E-02	-3.6243E-01	-2.6794E-02	-6.2370E-02	-2.1140E-02	-3.8231E-02	-2.2554E-02	-2.9631E-02
35536.834436	0.834436	-2.9162E-02	-3.6676E-01	-2.6794E-02	-6.2370E-02	-2.1862E-02	-3.6788E-02	-2.2554E-02	-2.9631E-02
35536.834507	0.834507	-2.9162E-02	-3.7326E-01	-2.8237E-02	-6.6701E-02	-2.1862E-02	-3.8231E-02	-2.2554E-02	-2.9631E-02
35536.834567	0.834567	-2.9162E-02	-3.7542E-01	-2.8237E-02	-6.2370E-02	-2.1140E-02	-3.8231E-02	-2.3276E-02	-3.1075E-02
35536.834626	0.834626	-3.0606E-02	-3.7976E-01	-2.8237E-02	-6.2370E-02	-2.1862E-02	-3.8231E-02	-2.2554E-02	-3.1075E-02
35536.834686	0.834686	-2.9162E-02	-3.8409E-01	-2.9681E-02	-6.6701E-02	-2.1862E-02	-3.9675E-02	-2.2554E-02	-3.1075E-02
35536.834757	0.834757	-2.9162E-02	-3.9058E-01	-2.8237E-02	-6.2370E-02	-2.1862E-02	-3.9675E-02	-2.3276E-02	-3.1075E-02
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35536.834876	0.834876	-3.0606E-02	-4.0141E-01	-2.6794E-02	-6.6701E-02	-2.1862E-02	-3.9675E-02	-2.3997E-02	-3.1075E-02
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35536.835086	0.835086	-2.7719E-02	-4.1441E-01	-2.6794E-02	-6.2370E-02	-2.1140E-02	-3.9675E-02	-2.3997E-02	-3.1075E-02
35536.835201	0.835201	-2.9162E-02	-4.2307E-01	-2.5350E-02	-6.2370E-02	-2.2584E-02	-3.9675E-02	-2.3997E-02	-2.9631E-02
35536.835317	0.835317	-2.9162E-02	-4.3390E-01	-2.6794E-02	-6.2370E-02	-2.2584E-02	-3.9675E-02	-2.3997E-02	-2.9631E-02
35536.835433	0.835433	-2.9162E-02	-4.4256E-01	-2.5350E-02	-6.2370E-02	-2.2584E-02	-3.9675E-02	-2.4719E-02	-2.9631E-02
35536.835549	0.835549	-2.9162E-02	-4.5339E-01	-2.5350E-02	-6.2370E-02	-2.2584E-02	-3.9675E-02	-2.5441E-02	-3.1075E-02
35536.835664	0.835664	-2.9162E-02	-4.5988E-01	-2.5350E-02	-6.6701E-02	-2.3306E-02	-4.1119E-02	-2.4719E-02	-3.1075E-02
35536.835780	0.835780	-3.0606E-02	-4.6855E-01	-2.5350E-02	-6.6701E-02	-2.3306E-02	-4.1119E-02	-2.5441E-02	-3.2519E-02
35536.835896	0.835896	-3.2050E-02	-4.7721E-01	-2.3906E-02	-6.2370E-02	-2.3306E-02	-4.1119E-02	-2.5441E-02	-3.2519E-02
35536.836243	0.836243	-3.3494E-02	-5.1836E-01	-2.5350E-02	-7.1033E-02	-2.4750E-02	-4.2563E-02	-2.6885E-02	-3.5406E-02
35536.836590	0.836590	-3.4937E-02	-5.5517E-01	-2.3906E-02	-7.1033E-02	-2.6194E-02	-4.4006E-02	-2.6885E-02	-3.5406E-02
35536.836938	0.836938	-3.4937E-02	-5.9199E-01	-2.3906E-02	-7.5364E-02	-2.6915E-02	-4.4006E-02	-2.7607E-02	-3.6850E-02
35536.837285	0.837285	-3.4937E-02	-6.3097E-01	-2.5350E-02	-7.9695E-02	-2.8359E-02	-4.6894E-02	-2.9051E-02	-3.6850E-02
35536.837632	0.837632	-3.6381E-02	-6.7645E-01	-2.6794E-02	-8.4026E-02	-2.9803E-02	-4.8338E-02	-2.9051E-02	-4.2625E-02
35536.837979	0.837979	-3.6381E-02	-7.1543E-01	-3.1125E-02	-8.4026E-02	-3.1247E-02	-4.8338E-02	-2.9051E-02	-4.2625E-02
35536.838326	0.838326	-3.6381E-02	-7.6091E-01	-3.4012E-02	-9.2689E-02	-3.1247E-02	-4.8338E-02	-3.0494E-02	-4.2625E-02
35536.838674	0.838674	-3.7825E-02	-8.0638E-01	-3.4012E-02	-9.2689E-02	-3.1969E-02	-4.8338E-02	-3.1216E-02	-4.2625E-02
35536.839021	0.839021	-3.9269E-02	-8.5186E-01	-3.4012E-02	-9.2689E-02	-3.2690E-02	-5.1225E-02	-3.1216E-02	-4.4069E-02
35536.839368	0.839368	-3.9269E-02	-8.9951E-01	-3.4012E-02	-9.7020E-02	-3.2690E-02	-5.1225E-02	-3.1216E-02	-4.4069E-02
35536.840063	0.840063	-4.0712E-02	-9.8830E-01	-3.4012E-02	-1.0135E-01	-3.4856E-02	-5.2669E-02	-3.2660E-02	-4.5513E-02
35536.840757	0.840757	-4.2156E-02	-1.0793E+00	-3.4012E-02	-1.0568E-01	-3.5578E-02	-5.4113E-02	-3.2660E-02	-4.6956E-02
35536.841451	0.841451	-4.2156E-02	-1.1659E+00	-3.5456E-02	-1.0135E-01	-3.6300E-02	-5.5556E-02	-3.4826E-02	-4.9844E-02
35536.842146	0.842146	-4.0712E-02	-1.2525E+00	-3.5456E-02	-1.0135E-01	-3.8465E-02	-5.7000E-02	-3.6269E-02	-5.1288E-02

35536.842840	0.842840	-4.3600E-02	-1.3413E+00	-3.6900E-02	-1.1001E-01	-4.0631E-02	-5.9888E-02	-3.6991E-02	-5.1288E-02
35536.84[illegible]5	0.843535	-4.3600E-02	-1.4279E+00	-3.8344E-02	-1.1[illegible]E-01	-4.1353E-02	-6.1331E-02	-3.8435E-02	-5.4175E-0[illegible]
35536.844229	0.844229	-4.6487E-02	-1.5124E+00	-4.1231E-02	-1.1435E-01	-4.1353E-02	-6.2775E-02	-3.8435E-02	-5.4175E-02
35536.844924	0.844924	-4.7931E-02	-1.5882E+00	-4.5562E-02	-1.2734E-01	-4.4962E-02	-6.5663E-02	-3.9879E-02	-5.7063E-02
35536.845618	0.845618	-4.7931E-02	-1.6661E+00	-4.5562E-02	-1.2301E-01	-4.7128E-02	-6.7106E-02	-3.9879E-02	-5.9950E-02
35536.846312	0.846312	-4.9375E-02	-1.7398E+00	-4.7006E-02	-1.2734E-01	-4.7128E-02	-6.7106E-02	-4.1322E-02	-6.2838E-02
35536.847701	0.847701	-5.2262E-02	-1.8740E+00	-5.5669E-02	-1.3600E-01	-5.0015E-02	-6.9994E-02	-4.2766E-02	-7.0056E-02
35536.849090	0.849090	-5.3706E-02	-2.0061E+00	-5.5669E-02	-1.3600E-01	-4.9294E-02	-7.1438E-02	-4.2766E-02	-7.1500E-02
35536.850479	0.850479	-5.8037E-02	-2.1274E+00	-5.8556E-02	-1.4466E-01	-5.0015E-02	-7.1438E-02	-4.3488E-02	-7.4388E-02
35536.851868	0.851868	-5.5150E-02	-2.2379E+00	-5.5669E-02	-1.4466E-01	-5.2903E-02	-7.2881E-02	-4.4932E-02	-7.7275E-02
35536.853257	0.853257	-5.5150E-02	-2.3375E+00	-5.5669E-02	-1.4900E-01	-5.4347E-02	-7.5769E-02	-4.5654E-02	-8.1606E-02
35536.854646	0.854646	-5.8037E-02	-2.4349E+00	-6.0000E-02	-1.5333E-01	-5.5790E-02	-7.7213E-02	-4.5654E-02	-8.4494E-02
35536.856035	0.856035	-5.6594E-02	-2.5172E+00	-6.0000E-02	-1.5333E-01	-5.7234E-02	-7.8656E-02	-4.6376E-02	-8.8825E-02
35536.857424	0.857424	-5.8037E-02	-2.6082E+00	-7.0106E-02	-1.6199E-01	-6.0844E-02	-8.2988E-02	-4.7819E-02	-9.6044E-02
35536.858812	0.858812	-6.0925E-02	-2.6840E+00	-6.8662E-02	-1.6199E-01	-6.3731E-02	-8.5875E-02	-4.8541E-02	-1.0182E-01
35536.860201	0.860201	-6.0925E-02	-2.7598E+00	-6.5775E-02	-1.6199E-01	-6.1565E-02	-8.2988E-02	-4.9263E-02	-1.0182E-01
35536.863674	0.863674	-6.3812E-02	-2.9179E+00	-7.2994E-02	-1.7498E-01	-6.6619E-02	-8.8763E-02	-5.2872E-02	-1.1770E-01
35536.867146	0.867146	-6.3812E-02	-3.0630E+00	-6.7219E-02	-1.7498E-01	-7.0950E-02	-9.4538E-02	-5.4316E-02	-1.2925E-01
35536.870618	0.870618	-6.5256E-02	-3.2016E+00	-7.1550E-02	-1.8365E-01	-7.3115E-02	-9.8869E-02	-5.7926E-02	-1.4369E-01
35536.874090	0.874090	-6.9587E-02	-3.3142E+00	-7.2994E-02	-1.8798E-01	-7.6725E-02	-1.0176E-01	-6.1535E-02	-1.5524E-01
35536.877562	0.877562	-7.1031E-02	-3.5676E+00	-7.8769E-02	-1.9664E-01	-8.1778E-02	-1.0753E-01	-6.2979E-02	-1.7112E-01
35536.881035	0.881035	-7.3919E-02	-3.8014E+00	-8.3100E-02	-2.0530E-01	-8.4665E-02	-1.1042E-01	-6.5866E-02	-1.8267E-01
35536.884507	0.884507	-7.3919E-02	-3.9032E+00	-8.5987E-02	-2.1396E-01	-8.8275E-02	-1.1475E-01	-6.6588E-02	-1.9566E-01
35536.887979	0.887979	-7.6806E-02	-3.9487E+00	-9.0319E-02	-2.1396E-01	-8.9719E-02	-1.1764E-01	-6.6588E-02	-2.0433E-01
35536.891451	0.891451	-7.8250E-02	-3.9769E+00	-9.4650E-02	-2.1830E-01	-9.1884E-02	-1.1764E-01	-6.6588E-02	-2.1588E-01
35536.894924	0.894924	-7.6806E-02	-3.9942E+00	-9.7537E-02	-2.1830E-01	-9.4050E-02	-1.1908E-01	-6.6588E-02	-2.2598E-01
35536.901868	0.901868	-8.1137E-02	-4.0137E+00	-9.8981E-02	-2.2696E-01	-9.6937E-02	-1.2197E-01	-7.0197E-02	-2.4475E-01
35536.908812	0.908812	-8.2581E-02	-4.0245E+00	-1.0042E-01	-2.3129E-01	-9.9103E-02	-1.2630E-01	-7.3085E-02	-2.6063E-01
35536.915757	0.915757	-8.4025E-02	-4.0288E+00	-1.0331E-01	-2.3995E-01	-1.0271E-01	-1.3063E-01	-7.9582E-02	-2.7363E-01
35536.922701	0.922701	-8.6912E-02	-4.0310E+00	-1.0476E-01	-2.4428E-01	-1.0488E-01	-1.3496E-01	-8.5357E-02	-2.8662E-01
35536.929646	0.929646	-8.8356E-02	-4.0418E+00	-1.0909E-01	-2.5295E-01	-1.0488E-01	-1.3496E-01	-8.9688E-02	-2.9528E-01
35536.936590	0.936590	-9.1244E-02	-4.0483E+00	-1.1197E-01	-2.5728E-01	-1.0849E-01	-1.3929E-01	-9.2576E-02	-3.0394E-01
35536.943535	0.943535	-9.5575E-02	-4.0613E+00	-1.1486E-01	-2.6594E-01	-1.1065E-01	-1.4218E-01	-9.9072E-02	-3.1261E-01
35536.950479	0.950479	-9.7019E-02	-4.0743E+00	-1.1775E-01	-2.6594E-01	-1.1426E-01	-1.4507E-01	-1.0485E-01	-3.1983E-01
35536.957424	0.957424	-1.0135E-01	-4.0830E+00	-1.2352E-01	-2.7893E-01	-1.1787E-01	-1.5084E-01	-1.0990E-01	-3.2560E-01
35536.964369	0.964369	-1.0135E-01	-4.0895E+00	-1.2641E-01	-2.7893E-01	-1.1787E-01	-1.5084E-01	-1.1351E-01	-3.2704E-01
35536.978257	0.978257	-8.9800E-02	-4.0765E+00	-1.2064E-01	-2.5728E-01	-1.0849E-01	-1.3785E-01	-1.1279E-01	-3.1983E-01
35536.992146	0.992146	-7.2475E-02	-4.1848E+00	-1.0187E-01	-2.0963E-01	-8.8275E-02	-1.1186E-01	-1.0052E-01	-2.9384E-01
35537.020257	0.020257	-2.6275E-02	-4.0895E+00	-6.2887E-02	-8.4026E-02	-4.3519E-02	-4.8338E-02	-6.5866E-02	-2.3753E-01
35537.020328	0.020328	-2.7719E-02	-4.0895E+00	-6.1444E-02	-8.4026E-02	-4.3519E-02	-4.8338E-02	-6.5144E-02	-2.3753E-01
35537.033813	0.033813	-1.3281E-02	-4.0288E+00	-5.2781E-02	-4.9376E-02	-3.3412E-02	-3.3900E-02	-6.0813E-02	-2.2309E-01
35537.047701	0.047701	-8.9500E-03	-3.9877E+00	-4.8450E-02	-2.7720E-02	-2.5472E-02	-2.2350E-02	-6.7310E-02	-2.1299E-01
35537.061590	0.061590	-7.5062E-03	-3.9595E+00	-5.1337E-02	-3.2051E-02	-2.4750E-02	-1.9463E-02	-7.2363E-02	-2.1010E-01
35537.075479	0.075479	-6.0625E-03	-3.9509E+00	-5.1337E-02	-2.7720E-02	-2.2584E-02	-1.6575E-02	-8.1026E-02	-2.0721E-01
35537.089368	0.089368	-3.1750E-03	-3.9422E+00	-4.5562E-02	-2.3389E-02	-1.8975E-02	-1.3688E-02	-9.4019E-02	-2.0144E-01
35537.103257	0.103257	-4.6187E-03	-3.9379E+00	-4.9894E-02	-2.3389E-02	-1.7531E-02	-1.2244E-02	-1.0629E-01	-2.0144E-01
35537.131035	0.131035	-3.1750E-03	-3.9357E+00	-5.2781E-02	-2.3389E-02	-1.6809E-02	-1.0800E-02	-1.2217E-01	-1.9855E-01
35537.158813	0.158813	-2.8747E-04	-3.9119E+00	-5.2781E-02	-1.4726E-02	-1.4644E-02	-5.0250E-03	-1.3372E-01	-1.9422E-01
35537.186590	0.186590	-2.8747E-04	-3.9054E+00	-5.4225E-02	-1.4726E-02	-1.2478E-02	-3.5813E-03	-1.4672E-01	-1.9422E-01
35537.214368	0.214368	1.1563E-03	-3.9054E+00	-5.7112E-02	-1.4726E-02	-1.3922E-02	-5.0250E-03	-1.6188E-01	-1.9999E-01
35537.242146	0.242146	4.0438E-03	-3.9530E+00	-5.7112E-02	-1.4726E-02	-1.1034E-02	-6.9377E-04	-1.8209E-01	-1.9855E-01
35537.250020	0.250020	6.9313E-03	-3.9335E+00	-5.5669E-02	-1.7326E-03	-1.3200E-02	-6.9377E-04	-1.8570E-01	-2.0144E-01
35537.250039	0.250039	6.9313E-03	-3.9314E+00	-5.5669E-02	-1.7326E-03	-1.2478E-02	-6.9377E-04	-1.8570E-01	-1.9999E-01
35537.250050	0.250050	5.4875E-03	-3.9335E+00	-5.5669E-02	-1.7326E-03	-1.2478E-02	-2.1375E-03	-1.8498E-01	-2.0577E-01
35537.250061	0.250061	6.9313E-03	-3.9270E+00	-5.5669E-02	-1.7326E-03	-1.1756E-02	-3.5813E-03	-1.8570E-01	-2.0577E-01
35537.250072	0.250072	4.0438E-03	-3.9357E+00	-5.7112E-02	-1.7326E-03	-1.3200E-02	-2.1375E-03	-1.8570E-01	-2.0288E-01

35537.250094	0.250094	5.4875E-03	-3.9335E+00	-5.5669E-02	-6.0639E-03	-1.3200E-02	-2.1375E-03	-1.8642E-01	-2.0288E-01
35537.250105	0.250105	4.0438E-03	-3.9335E+00	-5.8556E-02	-1.7 E-03	-1.2478E-02	-2.1375E-03	-1.8642E-01	-2.0288E-0
35537.250117	0.250117	4.0438E-03	-3.9357E+00	-5.8556E-02	-6.0639E-03	-1.3200E-02	-2.1375E-03	-1.8570E-01	-2.0433E-01
35537.250127	0.250127	4.0438E-03	-3.9357E+00	-5.7112E-02	-6.0639E-03	-1.3200E-02	-3.5813E-03	-1.8714E-01	-2.0433E-01
35537.250149	0.250149	4.0438E-03	-3.9357E+00	-5.8556E-02	-1.7326E-03	-1.3200E-02	-2.1375E-03	-1.8642E-01	-2.0288E-01
35537.250161	0.250161	2.6000E-03	-3.9357E+00	-5.7112E-02	-6.0639E-03	-1.3922E-02	-2.1375E-03	-1.8642E-01	-2.0433E-01
35537.250221	0.250221	5.4875E-03	-3.9335E+00	-5.7112E-02	-6.0639E-03	-1.3200E-02	-6.9377E-04	-1.8642E-01	-2.0144E-01
35537.250280	0.250280	4.0438E-03	-3.9357E+00	-5.7112E-02	-6.0639E-03	-1.3922E-02	-2.1375E-03	-1.8642E-01	-2.0144E-01
35537.250351	0.250351	5.4875E-03	-3.9357E+00	-5.7112E-02	-1.7326E-03	-1.4644E-02	-6.9377E-04	-1.8642E-01	-2.0144E-01
35537.250411	0.250411	4.0438E-03	-3.9357E+00	-5.7112E-02	-6.0639E-03	-1.3200E-02	-6.9377E-04	-1.8642E-01	-2.0288E-01
35537.250470	0.250470	4.0438E-03	-3.9357E+00	-5.7112E-02	-6.0639E-03	-1.3200E-02	-6.9377E-04	-1.8714E-01	-2.0288E-01
35537.250530	0.250530	4.0438E-03	-3.9379E+00	-5.7112E-02	-6.0639E-03	-1.3922E-02	-2.1375E-03	-1.8642E-01	-2.0288E-01
35537.250601	0.250601	5.4875E-03	-3.9357E+00	-5.8556E-02	-6.0639E-03	-1.3922E-02	-2.1375E-03	-1.8642E-01	-2.0144E-01
35537.250660	0.250660	4.0438E-03	-3.9379E+00	-5.7112E-02	-6.0639E-03	-1.3922E-02	-2.1375E-03	-1.8642E-01	-2.0288E-01
35537.250720	0.250720	4.0438E-03	-3.9357E+00	-5.8556E-02	-6.0639E-03	-1.3200E-02	-2.1375E-03	-1.8642E-01	-2.0144E-01
35537.250780	0.250780	4.0438E-03	-3.9335E+00	-5.7112E-02	-1.0395E-02	-1.3200E-02	-2.1375E-03	-1.8642E-01	-2.0144E-01
35537.250851	0.250851	5.4875E-03	-3.9335E+00	-5.7112E-02	-6.0639E-03	-1.2478E-02	-6.9377E-04	-1.8642E-01	-2.0144E-01
35537.250954	0.250954	5.4875E-03	-3.9314E+00	-5.8556E-02	-6.0639E-03	-1.3200E-02	-2.1375E-03	-1.8714E-01	-2.0288E-01
35537.251069	0.251069	2.6000E-03	-3.9314E+00	-5.7112E-02	-6.0639E-03	-1.3200E-02	-2.1375E-03	-1.8714E-01	-2.0144E-01
35537.251185	0.251185	4.0438E-03	-3.9270E+00	-5.7112E-02	-6.0639E-03	-1.3922E-02	-2.1375E-03	-1.8714E-01	-2.0144E-01
35537.251301	0.251301	4.0438E-03	-3.9249E+00	-5.7112E-02	-6.0639E-03	-1.2478E-02	-6.9377E-04	-1.8786E-01	-2.0144E-01
35537.251417	0.251417	4.0438E-03	-3.9206E+00	-5.7112E-02	-1.0395E-02	-1.2478E-02	-6.9377E-04	-1.8714E-01	-2.0144E-01
35537.251532	0.251532	4.0438E-03	-3.9184E+00	-5.7112E-02	-6.0639E-03	-1.2478E-02	-2.1375E-03	-1.8786E-01	-2.0288E-01
35537.251648	0.251648	5.4875E-03	-3.9141E+00	-5.7112E-02	-6.0639E-03	-1.2478E-02	-6.9377E-04	-1.8714E-01	-2.0288E-01
35537.251764	0.251764	4.0438E-03	-3.9097E+00	-5.8556E-02	-1.0395E-02	-1.2478E-02	7.4998E-04	-1.8714E-01	-2.0144E-01
35537.251880	0.251880	4.0438E-03	-3.9032E+00	-6.0000E-02	-1.0395E-02	-1.1756E-02	-6.9377E-04	-1.8714E-01	-2.0144E-01
35537.252227	0.252227	2.6000E-03	-3.8859E+00	-6.0000E-02	-1.4726E-02	-1.2478E-02	-2.1375E-03	-1.8786E-01	-2.0288E-01
35537.252574	0.252574	2.6000E-03	-3.8642E+00	-6.1444E-02	-1.4726E-02	-1.2478E-02	-2.1375E-03	-1.8786E-01	-2.0433E-01
35537.252921	0.252921	1.1563E-03	-3.8383E+00	-6.0000E-02	-1.9058E-02	-1.3200E-02	-3.5813E-03	-1.8931E-01	-2.0433E-01
35537.253269	0.253269	1.1563E-03	-3.8144E+00	-6.1444E-02	-1.9058E-02	-1.3200E-02	-2.1375E-03	-1.8931E-01	-2.0577E-01
35537.253616	0.253616	-2.8747E-04	-3.7820E+00	-6.1444E-02	-1.9058E-02	-1.3922E-02	-2.1375E-03	-1.9075E-01	-2.0433E-01
35537.253963	0.253963	-2.8747E-04	-3.7495E+00	-6.1444E-02	-1.4726E-02	-1.3922E-02	-3.5813E-03	-1.9003E-01	-2.0577E-01
35537.254310	0.254310	-2.8747E-04	-3.7105E+00	-6.2887E-02	-1.9058E-02	-1.3922E-02	-3.5813E-03	-1.9075E-01	-2.0577E-01
35537.254657	0.254657	-2.8747E-04	-3.6715E+00	-6.2887E-02	-2.3389E-02	-1.4644E-02	-3.5813E-03	-1.9003E-01	-2.0433E-01
35537.255005	0.255005	-1.7312E-03	-3.6304E+00	-6.2887E-02	-1.9058E-02	-1.3922E-02	-3.5813E-03	-1.9075E-01	-2.0577E-01
35537.255352	0.255352	-2.8747E-04	-3.5914E+00	-6.2887E-02	-1.9058E-02	-1.3200E-02	-5.0250E-03	-1.9075E-01	-2.0433E-01
35537.256046	0.256046	-2.8747E-04	-3.5004E+00	-6.4331E-02	-2.3389E-02	-1.4644E-02	-5.0250E-03	-1.9075E-01	-2.0433E-01
35537.256741	0.256741	-1.7312E-03	-3.4095E+00	-6.4331E-02	-2.3389E-02	-1.4644E-02	-5.0250E-03	-1.9219E-01	-2.0433E-01
35537.257435	0.257435	-3.1750E-03	-3.3207E+00	-6.2887E-02	-2.3389E-02	-1.4644E-02	-6.4688E-03	-1.9292E-01	-2.0577E-01
35537.258130	0.258130	-3.1750E-03	-3.2297E+00	-6.2887E-02	-2.7720E-02	-1.4644E-02	-6.4688E-03	-1.9292E-01	-2.0433E-01
35537.258824	0.258824	-4.6187E-03	-3.1344E+00	-6.4331E-02	-2.7720E-02	-1.4644E-02	-6.4688E-03	-1.9292E-01	-2.0433E-01
35537.259519	0.259519	-3.1750E-03	-3.0370E+00	-6.4331E-02	-2.7720E-02	-1.3922E-02	-6.4688E-03	-1.9292E-01	-2.0433E-01
35537.260213	0.260213	-3.1750E-03	-2.9439E+00	-6.5775E-02	-2.7720E-02	-1.6087E-02	-6.4688E-03	-1.9219E-01	-2.0433E-01
35537.260907	0.260907	-6.0625E-03	-2.8529E+00	-6.8662E-02	-2.7720E-02	-1.6087E-02	-7.9125E-03	-1.9219E-01	-2.0433E-01
35537.261602	0.261602	-7.5062E-03	-2.7619E+00	-7.0106E-02	-3.2051E-02	-1.7531E-02	-9.3563E-03	-1.9003E-01	-2.0433E-01
35537.262296	0.262296	-8.9500E-03	-2.6688E+00	-7.1550E-02	-3.2051E-02	-1.9697E-02	-1.2244E-02	-1.8931E-01	-2.0288E-01
35537.263685	0.263685	-7.5062E-03	-2.4977E+00	-7.4437E-02	-4.0714E-02	-2.0419E-02	-1.2244E-02	-1.8714E-01	-2.0433E-01
35537.265074	0.265074	-1.0394E-02	-2.3353E+00	-7.5881E-02	-4.0714E-02	-1.8975E-02	-1.0800E-02	-1.8570E-01	-2.0433E-01
35537.266463	0.266463	-1.0394E-02	-2.1816E+00	-7.5881E-02	-4.0714E-02	-1.8975E-02	-1.2244E-02	-1.8642E-01	-2.0288E-01
35537.267852	0.267852	-8.9500E-03	-2.0321E+00	-7.5881E-02	-4.0714E-02	-2.1140E-02	-1.5131E-02	-1.8570E-01	-2.0144E-01
35537.269241	0.269241	-1.1837E-02	-1.9022E+00	-7.4437E-02	-4.5045E-02	-2.1140E-02	-1.3688E-02	-1.8498E-01	-2.0144E-01
35537.270630	0.270630	-1.3281E-02	-1.7766E+00	-7.4437E-02	-4.5045E-02	-2.1140E-02	-1.3688E-02	-1.8570E-01	-1.9855E-01
35537.272019	0.272019	-1.1837E-02	-1.6553E+00	-7.2994E-02	-4.0714E-02	-2.1140E-02	-1.3688E-02	-1.8858E-01	-1.9711E-01
35537.273407	0.273407	-1.4725E-02	-1.5470E+00	-7.1550E-02	-4.0714E-02	-2.0419E-02	-1.3688E-02	-1.8931E-01	-1.9422E-01
35537.274796	0.274796	-1.4725E-02	-1.4409E+00	-7.1550E-02	-4.5045E-02	-1.8975E-02	-1.2244E-02	-1.8858E-01	-1.9133E-01
35537.276185	0.276185	-1.6169E-02	-1.3391E+00	-7.2994E-02	-4.5045E-02	-2.0419E-02	-1.5131E-02	-1.8714E-01	-1.8844E-01

35537.279657	0.279657	-1.7612E-02	-1.1226E+00	-7.7325E-02	-5.3708E-02	-2.1140E-02	-1.6575E-02	-1.8642E-01	-1.8267E-01
35537.283130	0.283130	-2.4831E-02	-9.3849E-01	-7.5881E-02	-5.1[illegible]E-02	-2.0419E-02	-1.5131E-02	-1.9292E-01	-1.7545E-0[illegible]
35537.286602	0.286602	-2.4831E-02	-7.7823E-01	-7.7325E-02	-6.6701E-02	-2.0419E-02	-1.9463E-02	-1.9364E-01	-1.6679E-01
35537.290074	0.290074	-2.7719E-02	-6.4829E-01	-8.0212E-02	-7.1033E-02	-2.4028E-02	-2.2350E-02	-1.9797E-01	-1.5813E-01
35537.293546	0.293546	-2.9162E-02	-6.9161E-01	-8.1656E-02	-7.9695E-02	-2.5472E-02	-2.5238E-02	-2.0302E-01	-1.5235E-01
35537.297019	0.297019	-3.0606E-02	-1.0771E+00	-7.8769E-02	-7.5364E-02	-2.5472E-02	-2.6681E-02	-2.1024E-01	-1.4513E-01
35537.300491	0.300491	-3.2050E-02	-1.4756E+00	-7.8769E-02	-8.4026E-02	-2.6194E-02	-2.8125E-02	-2.1674E-01	-1.4080E-01
35537.303963	0.303963	-3.7825E-02	-1.5838E+00	-8.5987E-02	-9.7020E-02	-2.8359E-02	-3.1013E-02	-2.1746E-01	-1.3647E-01
35537.307435	0.307435	-3.7825E-02	-1.9585E+00	-9.1762E-02	-1.0568E-01	-3.3412E-02	-3.8231E-02	-2.1963E-01	-1.3647E-01
35537.310912	0.310912	-3.6381E-02	-2.4566E+00	-9.0319E-02	-1.0135E-01	-2.8359E-02	-3.1013E-02	-2.2035E-01	-1.3358E-01
35537.318075	0.318075	-4.3600E-02	-3.3575E+00	-1.0042E-01	-1.2734E-01	3.5888E-02	-1.5131E-02	-2.2107E-01	-1.4369E-01
35537.324796	0.324796	-4.7931E-02	-3.7560E+00	-1.0620E-01	-1.4033E-01	-6.8784E-02	-6.1331E-02	-2.2107E-01	-1.5813E-01
35537.331741	0.331741	-5.3706E-02	-3.6477E+00	-1.1197E-01	-1.4900E-01	-5.0737E-02	-5.2669E-02	-2.3262E-01	-1.7689E-01
35537.338685	0.338685	-5.8037E-02	-3.0608E+00	-1.1631E-01	-1.6199E-01	-6.2287E-02	-6.7106E-02	-2.3406E-01	-1.8844E-01
35537.345630	0.345630	-6.0925E-02	-3.0673E+00	-1.2208E-01	-1.7065E-01	-5.4347E-02	-6.9994E-02	-2.4489E-01	-2.0721E-01
35537.352574	0.352574	-6.3812E-02	-3.0630E+00	-1.2641E-01	-1.7931E-01	-8.2500E-02	-8.4431E-02	-2.5139E-01	-2.1732E-01
35537.359519	0.359519	-6.3812E-02	-2.7684E+00	-1.1631E-01	-1.7931E-01	-6.7340E-02	-7.7213E-02	-2.6077E-01	-2.1443E-01
35537.366463	0.366463	-6.3812E-02	-2.3288E+00	-1.1631E-01	-1.7931E-01	-6.0122E-02	-8.2988E-02	-2.7449E-01	-2.1443E-01
35537.373407	0.373407	-6.5256E-02	-2.3526E+00	-1.1631E-01	-1.7931E-01	-9.5494E-02	-9.5981E-02	-2.8315E-01	-2.1010E-01
35537.380352	0.380352	-6.9587E-02	-2.1621E+00	-1.2930E-01	-1.8798E-01	-1.1787E-01	-1.2197E-01	-2.8893E-01	-2.1010E-01
35537.394241	0.394241	-6.6700E-02	-2.8118E+00	-1.3363E-01	-1.8798E-01	-7.0228E-02	-7.8656E-02	-3.0481E-01	-2.1010E-01
35537.408130	0.408130	-5.3706E-02	-2.4046E+00	-6.9900E+00	-1.9540E+01	-4.1353E-02	-4.8338E-02	-8.6800E+00	-1.0120E+01
35537.422019	0.422019	-4.9375E-02	-2.3353E+00	-6.9900E+00	-1.9540E+01	-5.8678E-02	-5.9888E-02	-8.6800E+00	-1.0120E+01
35537.435907	0.435907	-5.2262E-02	-3.8166E+00	-6.9900E+00	-1.9540E+01	-7.3115E-02	-6.8550E-02	-8.6800E+00	-1.0120E+01
35537.449796	0.449796	-5.2262E-02	-4.8301E+00	-6.9900E+00	-1.9540E+01	-4.1353E-02	-4.9781E-02	-8.6800E+00	-1.0120E+01
35537.463685	0.463685	-5.0819E-02	-5.0164E+00	-6.9900E+00	-1.9540E+01	-5.7956E-02	-5.5556E-02	-8.6800E+00	-1.0120E+01
35537.477574	0.477574	-3.9269E-02	-4.2021E+00	-6.9900E+00	-1.9540E+01	7.7345E-03	-2.5238E-02	-8.6800E+00	-1.0120E+01
35537.491463	0.491463	-3.4937E-02	-3.6650E+00	-6.9900E+00	-1.9540E+01	-4.8572E-02	-4.2563E-02	-8.6800E+00	-1.0120E+01
35537.505352	0.505352	-2.7719E-02	-4.2172E+00	-6.9900E+00	-1.9540E+01	-3.3412E-02	-2.6681E-02	-8.6800E+00	-1.0120E+01
35537.519241	0.519241	-2.7719E-02	-4.5356E+00	-6.9900E+00	-1.9540E+01	-9.9000E+00	-9.9900E+00	-8.6800E+00	-1.0120E+01
35537.547019	0.547019	-4.0712E-02	-4.2064E+00	-6.9900E+00	-1.9540E+01	-9.9000E+00	-9.9900E+00	-8.6800E+00	-1.0120E+01
35537.574796	0.574796	-5.2262E-02	-2.7013E+00	-6.9900E+00	-1.9540E+01	-9.9000E+00	-9.9900E+00	-8.6800E+00	-1.0120E+01
35537.602574	0.602574	-6.0925E-02	-1.5124E+00	-6.9900E+00	-1.9540E+01	-9.9000E+00	-9.9900E+00	-8.6800E+00	-1.0120E+01
35537.630352	0.630352	-5.9481E-02	-8.5619E-01	-6.9900E+00	-1.9540E+01	-9.9000E+00	-9.9900E+00	-8.6800E+00	-1.0120E+01
35537.658130	0.658130	-4.2156E-02	-5.9415E-01	-6.9900E+00	-1.9540E+01	-9.9000E+00	-9.9900E+00	-8.6800E+00	-1.0120E+01

" Terra8 Data Collection Report"

"Firmware Version 8.1/87"
"Number of Bytes in Data Dump 5052"
"User Supplied Comment LaRussell Pump Test "
"Time Header Block Loaded 1997/04/16 20:01:01.50 "
"Time Data File Dumped 1997/04/17 15:49:10.90 "
"Remaining Memory 60484"
"Number of Logs 192"
"Type of Data Memory Memory Board"
"Logs/Timestamp 1"
"Power was OK During Data Collection Period"

" Terra8 Channel Setup
"
"Number of ANALOG Channels = 8"
"---"
"_Ch#___Description_____Units___Delay_____M_____B____"

```
"  1 mw-3s(10b)........ ft......   100     4.6200E+0000    -7.9900E+0000"
"  2 mw-3d(30a)........ ft......   100     6.9300E+0000    -1.9970E+0001"
"  3 mw-7s(10e)........ ft......   100     4.6200E+0000    -6.9900E+0000"
"  4 mw-7d(30a)........ ft......   100     1.3860E+0001    -1.9540E+0001"
"  5 mw-8s(5a)......... ft......   100     2.3100E+0000    -9.9000E+0000"
"  6 mw-8d(10c)........ ft......   100     4.6200E+0000    -9.9900E+0000"
"  7 mw-9s(5b)......... ft......   100     2.3100E+0000    -8.6800E+0000"
"  8 mw-9d(10d)........ ft......   100     4.6200E+0000    -1.0120E+0001"

"Number of DIGITAL Channels =  0"
"-------------------------------------------------------------------------"
"_Ch#___Description_____Units___Delay_______M_____________________B____"
"-------------------------------------------------------------------------"
```

```
"                              Saved Recorder Status
"Type: 2109-5            Range:-0.06 -• 12.22 FEET          Recorder ID: mw2d
"   Time at Recorder: 04/23/97 09:07:10       Sync'd @ 04/16/97 17:41:53
"   Signal process:  Not Applicable
"   Values being saved:                                              maximums
"   Alarm status: Low alarm @ -0.01  is  OFF   Upper alarm @ 12.04  is  OFF
"
"   Averaging period:  00:05:00  Amount of data recorded:  6 days  15:20:00
"
"   Storage Capacity:  6512 values records: 22 days  14:40:00
"Output compressed by a factor of  1

"  Date      Time   Max
"04/16/97""17:45:00" 9.81
"04/16/97""17:50:00" 9.86
"04/16/97""17:55:00"10.02
"04/16/97""18:00:00"10.19
"04/16/97""18:05:00"10.36
"04/16/97""18:10:00"10.46
"04/16/97""18:15:00"10.48
"04/16/97""18:20:00"10.55
"04/16/97""18:25:00"10.58
"04/16/97""18:30:00"10.25
"04/16/97""18:35:00"10.19
"04/16/97""18:40:00"10.37
"04/16/97""18:45:00"10.55
"04/16/97""18:50:00"10.67
"04/16/97""18:55:00"10.76
"04/16/97""19:00:00"10.84
"04/16/97""19:05:00"10.90
"04/16/97""19:10:00"10.96
"04/16/97""19:15:00"11.00
"04/16/97""19:20:00"11.03
"04/16/97""19:25:00"11.03
"04/16/97""19:30:00"11.03
"04/16/97""19:35:00"10.42
"04/16/97""19:40:00"10.40
"04/16/97""19:45:00"10.10
"04/16/97""19:50:00"10.07
"04/16/97""19:55:00"10.26
"04/16/97""20:00:00"10.35
"04/16/97""20:05:00" 9.99
"04/16/97""20:10:00" 9.35
"04/16/97""20:15:00" 9.54
"04/16/97""20:20:00" 9.74
"04/16/97""20:25:00" 9.75
"04/16/97""20:30:00" 9.57
"04/16/97""20:35:00" 9.41
"04/16/97""20:40:00" 9.41
"04/16/97""20:45:00" 8.90
"04/16/97""20:50:00" 8.30
"04/16/97""20:55:00" 8.56
"04/16/97""21:00:00" 8.85
"04/16/97""21:05:00" 9.06
"04/16/97""21:10:00" 9.06
"04/16/97""21:15:00" 8.69
"04/16/97""21:20:00" 8.94
"04/16/97""21:25:00" 9.20
"04/16/97""21:30:00" 9.39
"04/16/97""21:35:00" 9.54
"04/16/97""21:40:00" 9.68
"04/16/97""21:45:00" 9.76
"04/16/97""21:50:00" 9.84
```

"04/16/97""21:55:00" 9.90
"04/16/97""22:00:00" 9.95
"04/16/97""22:05:00" 9.99
"04/16/97""22:10:00" 9.98
"04/16/97""22:15:00" 9.95
"04/16/97""22:20:00" 9.98
"04/16/97""22:25:00"10.01
"04/16/97""22:30:00"10.02
"04/16/97""22:35:00"10.05
"04/16/97""22:40:00"10.07
"04/16/97""22:45:00"10.07
"04/16/97""22:50:00"10.10
"04/16/97""22:55:00"10.10
"04/16/97""23:00:00"10.11
"04/16/97""23:05:00"10.12
"04/16/97""23:10:00"10.13
"04/16/97""23:15:00"10.13
"04/16/97""23:20:00"10.14
"04/16/97""23:25:00"10.14
"04/16/97""23:30:00"10.14
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```
"                              Saved Recorder Status
"Type: 2109e-10          Range:-0.05 -• 46.91 FEET         Recorder ID: mw6d
"   Time at Recorder: 04/23/97 09:02:32       Sync'd @ 04/16/97 18:13:59
"   Signal process:  Not Applicable    Accum: Not Scaled
"   Values being saved:                                    averages
"   Alarm status: Low alarm @  9.14  is  OFF   Upper alarm @ 46.83  is  OFF
"   Nbr of Events: Alarm recording is not enabled
"   Averaging period:  00:05:00  Amount of data recorded:  6 days  14:45:00
"        Sample Rate:  00:00:15                 Excitation time (msec):  010
"   Storage Capacity: 21330 values records: 74 days  01:30:00
"Output compressed by a factor of  1

"  Date      Time   Avg
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"04/17/97""11:40:00"28.83
"04/17/97""11:45:00"28.85
"04/17/97""11:50:00"28.86
"04/17/97""11:55:00"28.85
"04/17/97""12:00:00"28.79
"04/17/97""12:05:00"28.73
"04/17/97""12:10:00"28.68
"04/17/97""12:15:00"28.63
"04/17/97""12:20:00"28.60
"04/17/97""12:25:00"28.57
"04/17/97""12:30:00"28.56
"04/17/97""12:35:00"28.54
"04/17/97""12:40:00"28.53
"04/17/97""12:45:00"28.50
"04/17/97""12:50:00"28.50
"04/17/97""12:55:00"28.49
"04/17/97""13:00:00"28.52
"04/17/97""13:05:00"28.55
"04/17/97""13:10:00"28.60
"04/17/97""13:15:00"28.62
"04/17/97""13:20:00"28.63
"04/17/97""13:25:00"28.68
"04/17/97""13:30:00"28.73
"04/17/97""13:35:00"28.79
"04/17/97""13:40:00"28.85
"04/17/97""13:45:00"28.89
"04/17/97""13:50:00"28.89
"04/17/97""13:55:00"28.93
"04/17/97""14:00:00"28.97
"04/17/97""14:05:00"29.02

"04/17/97""14:10:00"29.06
"04/17/97""14:15:00"29.11
"04/17/97""14:20:00"29.18
"04/17/97""14:25:00"29.23
"04/17/97""14:30:00"29.23
"04/17/97""14:35:00"29.23
"04/17/97""14:40:00"29.22
"04/17/97""14:45:00"29.20
"04/17/97""14:50:00"29.20
"04/17/97""14:55:00"29.23
"04/17/97""15:00:00"29.24
"04/17/97""15:05:00"29.19
"04/17/97""15:10:00"29.12
"04/17/97""15:15:00"29.07
"04/17/97""15:20:00"29.03
"04/17/97""15:25:00"29.02
"04/17/97""15:30:00"29.01
"04/17/97""15:35:00"25.65

Aquifer Test Data Sheet

Site Lafarge

Job Number _____

Start of Pumping	Pump Off
Date 7/16/97	Date
Time ~~19:50~~ 20:01	Time

Well ID Pumping well

Date	Clock Time	Depth to Water	Elapsed Time	Notes
7/16			0	
			:30	no water flow in tank
			1:00	
			1:30	
			2:00	
			2:30	
			3:00	water flow starting
			3:30	in tank
			4:00	3gpm
			4:30	<3gpm
			5:00	3gpm
			6:00	
	20:08	19.4'	7:00	3gpm
	20:09	20.0'	8:00	
	20:10	20.6'	9:00	
	20:11	21.1'	10:00	
	2		11:00	
	20:13	22.05'	12:00	3gpm + a little
			13:00	
			14:00	
	20:16	23.15	15:00	
			16:00	

Aquifer Test Data Sheet

Site La Plata

Job Number

Start of Pumping	Pump Off
Date	Date 4/17/97
Time	Time 6:00

Well ID Pumping Well

Date	Clock Time	Depth to Water	Elapsed Time	Notes
4/17/97	6:00	33.45	0	pump off
	6:06'37	24.00'	06:37	
	6:08:04	23.00	0:8:04	
	6:09:42	22.06	0:09:42	
	6:11:27	21.00	0:11:27	
	6:13:28	20.00	0:13:28	
	6:15:40	19.00	0:15:40	
	6:18:04	18.00	0:18:04	
	6:20:44	17.00	0:20:44	
	6:23:47	16.00	0:23:47	
	6:27	15:07	27	
	6:28	14.83	28	
	6:30	14.25	30	
	6:32	13.70	32	
	6:34	13.50	34	
	6:36	13.10	36	
	6:38	12.76	38	reference value changed on Hermit
	6:40	12.44	40	
	6:42	12.11	42	
	6:44	11.84	44	
	6:46	11.58	46	
	6:48	11.30	48	pull transducer up to 20'

Aquifer Test Data Sheet

Site_____ Page 2 of _____

Job Number_____

Start of Pumping	Pump Off
Date	Date
Time	Time

Well ID pumping well

Date	Clock Time	Depth to Water	Elapsed Time	Notes

Aquifer Test Data Sheet

Site_____ Page _____ of _____

Job Number_____

Start of Pumping	Pump Off
Date	Date
Time	Time

Well ID Existing Well

Date	Clock Time	Depth to Water	Elapsed Time	Notes
		17.36	10:00	
		18.26	12:00	
		19.09	14:00	
		19.86	16:00	
		20.63	18:00	
		21.26	20:00	
		21.87'	22:00	

Aquifer Test Data Sheet

Site La Rosse's Cleaners

Job Number 1397

Start of Pumping	Pump Off
Date	Date 4/17/97
Time	Time 6:00

Well ID Old well

Date	Clock Time	Depth to Water	Elapsed Time	Notes
4/17	6:50	11.11	50	
	6:52	10.90	52	
	6:54	10.71	54	Hermit XD 1 is now recording pressure
	7:30	22.8		approx - drop XD to pump intake
	7:32	23.85	1:32	XD at
	7:34	—	1:34	missed - talking to Jim LaRosse
	7:36	25.60	1:36	
	7:38	25.90	1:38	

SE1000C
Environmental Logger
04/17 07:14

Unit# 00811 Test 0

Pre-Test
Hermit Data

INPUT 1: Level (F) TOC

Reference	8.300
Linearity	0.000
Scale factor	10.000
Offset	0.050
Delay mSEC	50.000

Step 0 04/16 17:40:36

Elapsed Time	INPUT 1	
0.0000	29.995	
5.0000	29.196	
10.0000	28.971	
15.0000	28.772	
20.0000	27.496	
25.0000	26.201	
30.0000	25.140	
35.0000	24.280	
40.0000	23.601	
45.0000	23.052	
50.0000	22.597	
55.0000	22.233	
60.0000	21.940	
65.0000	21.696	
70.0000	21.115	
75.0000	21.147	
80.0000	21.159	
85.0000	21.137	
90.0000	21.106	} dro
95.0000	34.171	
100.000	8.300	
105.000	8.300	
110.000	8.300	
115.000	8.300	
120.000	8.300	

SE1000C
Environmental Logger
04/17 07:15

Unit# 00811 Test 0

INPUT 2: Level (F) TOC

Reference	24.200
Linearity	0.010
Scale factor	10.000
Offset	0.010
Delay mSEC	50.000

Step 0 04/16 17:40:36

Elapsed Time	INPUT 2
0.0000	29.752
5.0000	25.475
10.0000	29.793
15.0000	25.266
20.0000	22.927
25.0000	21.427
30.0000	21.047
35.0000	21.047
40.0000	21.047
45.0000	21.047
50.0000	21.047
55.0000	21.047
60.0000	21.047
65.0000	21.047
70.0000	21.047
75.0000	21.047
80.0000	21.047
85.0000	21.047
90.0000	21.047
95.0000	21.047
100.000	21.047
105.000	21.047
110.000	21.047
115.000	21.047
120.000	21.047

SE1000C
Environmental Logger
04/17 07:16

Unit# 00811 Test 1

Pumping Well Data

"old well"

INPUT 1: Level (F) TOC

Reference	23.500
Linearity	0.000
Scale factor	10.000
Offset	0.050
Delay mSEC	50.000

Step 0 04/16 20:01:00

Elapsed Time	INPUT 1
0.0000	16.534
0.0033	16.534
0.0066	16.534
0.0100	16.534
0.0133	16.534
0.0166	16.534
0.0200	16.534
0.0233	16.534
0.0266	16.534
0.0300	16.534
0.0333	16.534
0.0366	16.534
0.0400	16.534
0.0433	16.534
0.0466	16.534
0.0500	16.534
0.0533	16.534
0.0566	16.534
0.0600	16.534
0.0633	16.534
0.0666	16.534
0.0700	16.534
0.0733	16.534
0.0766	16.534
0.0800	16.534
0.0833	16.534
0.0866	16.534
0.0900	16.534
0.0933	16.534
0.0966	16.534
0.1000	16.534
0.1033	16.534
0.1066	16.534
0.1100	16.534
0.1133	16.534
0.1166	16.534
0.1200	16.534
0.1233	16.534
0.1266	16.534
0.1300	16.534
0.1333	16.534
0.1366	16.534
0.1400	16.534
0.1433	16.534

0.1466	16.534
0.1500	16.534
0.1533	16.534
0.1566	16.534
0.1600	16.534
0.1633	16.534
0.1666	16.534
0.1700	16.534
0.1733	16.534
0.1766	16.534
0.1800	16.534
0.1833	16.534
0.1866	16.534
0.1900	16.534
0.1933	16.534
0.1966	16.534
0.2000	16.534
0.2033	16.534
0.2066	16.534
0.2100	16.534
0.2133	16.534
0.2166	16.534
0.2200	16.534
0.2233	16.534
0.2266	16.534
0.2300	16.534
0.2333	16.534
0.2366	16.534
0.2400	16.534
0.2433	16.534
0.2466	16.534
0.2500	16.534
0.2533	16.534
0.2566	16.534
0.2600	16.534
0.2633	16.534
0.2666	16.534
0.2700	16.534
0.2733	16.534
0.2766	16.534
0.2800	16.534
0.2833	16.534
0.2866	16.534
0.2900	16.534
0.2933	16.534
0.2966	16.534
0.3000	16.534
0.3033	16.534
0.3066	16.534
0.3100	16.534
0.3133	16.534
0.3166	16.534
0.3200	16.534
0.3233	16.534
0.3266	16.534
0.3300	16.534
0.3333	16.534
0.3500	16.534
0.3666	16.534
0.3833	16.534
0.4000	16.534
0.4166	16.534
0.4333	16.534

0.4500	16.534
0.4666	16.534
0.4833	16.534
0.5000	16.534
0.5166	16.534
0.5333	16.534
0.5500	16.534
0.5666	16.534
0.5833	16.534
0.6000	16.534
0.6166	16.534
0.6333	16.534
0.6500	16.534
0.6666	16.534
0.6833	16.534
0.7000	16.534
0.7166	16.534
0.7333	16.534
0.7500	16.534
0.7666	16.534
0.7833	16.534
0.8000	16.534
0.8166	16.534
0.8333	16.534
0.8500	16.534
0.8666	16.534
0.8833	16.534
0.9000	16.534
0.9166	16.534
0.9333	16.534
0.9500	16.534
0.9666	16.534
0.9833	16.534
1.0000	16.534
1.2000	16.534
1.4000	16.534
1.6000	16.534
1.8000	16.534
2.0000	16.534
2.2000	16.534
2.4000	16.534
2.6000	16.534
2.8000	16.534
3.0000	16.534
3.2000	16.534
3.4000	16.534
3.6000	16.601
3.8000	16.822
4.0000	17.030
4.2000	17.232
4.4000	17.409
4.6000	17.599
4.8000	17.760
5.0000	17.940
5.2000	18.098
5.4000	18.250
5.6000	18.411
5.8000	18.562
6.0000	18.720
6.2000	18.869
6.4000	18.998
6.6000	19.121
6.8000	19.257

7.0000	19.377
7.2000	19.500
7.4000	19.630
7.6000	19.750
7.8000	19.867
8.0000	19.987
8.2000	20.104
8.4000	20.230
8.6000	20.331
8.8000	20.451
9.0000	20.565
9.2000	20.663
9.4000	20.764
9.6000	20.871
9.8000	20.972
10.0000	21.070
12.0000	22.046
14.0000	22.754
16.0000	23.411
18.0000	24.056
20.0000	24.637
22.0000	25.117
24.0000	25.543
26.0000	26.020
28.0000	26.501
30.0000	26.930
32.0000	27.281
34.0000	27.556
36.0000	27.720
38.0000	27.919
40.0000	28.052
42.0000	28.333
44.0000	28.857
46.0000	29.284
48.0000	29.470
50.0000	29.675
52.0000	29.849
54.0000	29.988
56.0000	30.146
58.0000	30.272
60.0000	31.283
62.0000	32.474
64.0000	33.122
66.0000	33.336
68.0000	33.403
70.0000	33.415
72.0000	33.456
74.0000	33.485
76.0000	33.479
78.0000	33.482
80.0000	33.479
82.0000	33.475
84.0000	33.479
86.0000	33.497
88.0000	33.479
90.0000	33.469
92.0000	33.475
94.0000	33.479
96.0000	33.463
98.0000	33.441
100.000	33.463
105.000	33.431
110.000	33.406

115.000	33.400
120.000	33.396
125.000	33.412
130.000	33.453
135.000	33.437
140.000	33.422
145.000	33.450
150.000	33.488
155.000	33.516
160.000	33.564
165.000	33.548
170.000	33.580
175.000	33.608
180.000	33.614
185.000	33.621
190.000	33.621
195.000	33.624
200.000	33.589
205.000	33.640
210.000	33.602
215.000	33.668
220.000	33.611
225.000	33.981
230.000	35.920
235.000	35.645
240.000	35.238
245.000	34.872
250.000	34.562
255.000	34.354
260.000	34.199
265.000	34.098
270.000	34.012
275.000	33.971
280.000	33.937
285.000	33.877
290.000	33.832
295.000	33.813
300.000	33.753
305.000	33.690
310.000	33.665
315.000	33.602
320.000	33.621
325.000	33.599
330.000	33.614
335.000	33.624
340.000	33.595
345.000	33.586
350.000	33.611
355.000	33.608
360.000	33.611
365.000	33.659
370.000	33.643
375.000	33.627
380.000	33.621
385.000	33.589
390.000	33.602
395.000	33.583
400.000	33.589
405.000	33.564
410.000	33.608
415.000	33.608
420.000	33.618
425.000	33.573

430.000	33.513
435.000	33.507
440.000	33.450
445.000	33.437
450.000	33.444
455.000	33.431
460.000	33.466
465.000	33.479
470.000	33.472
475.000	33.460
480.000	33.450
485.000	33.387
490.000	33.349
495.000	33.270
500.000	33.216
505.000	33.169
510.000	33.298
515.000	33.336
520.000	33.374
525.000	33.400
530.000	33.422
535.000	33.406
540.000	33.403
545.000	33.400
550.000	33.425
555.000	33.406
560.000	33.406
565.000	33.409
570.000	33.415
575.000	33.403
580.000	33.428
585.000	33.444
590.000	33.425
595.000	33.434

SE1000C
Environmental Logger
04/17 07:08

Unit# 00811 Test 1

INPUT 2: Level (F) TOC

Reference	21.900
Linearity	0.010
Scale factor	10.000
Offset	0.010
Delay mSEC	50.000

Step 0 04/16 20:01:00

Elapsed Time	INPUT 2
0.0000	15.425
0.0033	15.425
0.0066	15.425
0.0100	15.425
0.0133	15.425
0.0166	15.425
0.0200	15.425
0.0233	15.425
0.0266	15.425
0.0300	15.425
0.0333	15.425
0.0366	15.425
0.0400	15.425
0.0433	15.425
0.0466	15.425
0.0500	15.425
0.0533	15.425
0.0566	15.425
0.0600	15.425
0.0633	15.425
0.0666	15.425
0.0700	15.425
0.0733	15.425
0.0766	15.425
0.0800	15.425
0.0833	15.425
0.0866	15.425
0.0900	15.425
0.0933	15.425
0.0966	15.425
0.1000	15.425
0.1033	15.425
0.1066	15.425
0.1100	15.425
0.1133	15.425
0.1166	15.425
0.1200	15.425
0.1233	15.425
0.1266	15.425
0.1300	15.425
0.1333	15.425
0.1366	15.425
0.1400	15.425
0.1433	15.425

0.1466	15.425
0.1500	15.425
0.1533	15.425
0.1566	15.425
0.1600	15.425
0.1633	15.425
0.1666	15.425
0.1700	15.425
0.1733	15.425
0.1766	15.425
0.1800	15.425
0.1833	15.425
0.1866	15.425
0.1900	15.425
0.1933	15.425
0.1966	15.425
0.2000	15.425
0.2033	15.425
0.2066	15.425
0.2100	15.425
0.2133	15.425
0.2166	15.425
0.2200	15.425
0.2233	15.425
0.2266	15.425
0.2300	15.425
0.2333	15.425
0.2366	15.425
0.2400	15.425
0.2433	15.425
0.2466	15.425
0.2500	15.425
0.2533	15.425
0.2566	15.425
0.2600	15.425
0.2633	15.425
0.2666	15.425
0.2700	15.425
0.2733	15.425
0.2766	15.425
0.2800	15.425
0.2833	15.425
0.2866	15.425
0.2900	15.425
0.2933	15.425
0.2966	15.425
0.3000	15.425
0.3033	15.425
0.3066	15.425
0.3100	15.425
0.3133	15.425
0.3166	15.425
0.3200	15.425
0.3233	15.425
0.3266	15.425
0.3300	15.425
0.3333	15.425
0.3500	15.425
0.3666	15.425
0.3833	15.425
0.4000	15.425
0.4166	15.425
0.4333	15.425

0.4500	15.425
0.4666	15.425
0.4833	15.425
0.5000	15.425
0.5166	15.425
0.5333	15.425
0.5500	15.425
0.5666	15.425
0.5833	15.425
0.6000	15.425
0.6166	15.425
0.6333	15.425
0.6500	15.425
0.6666	15.425
0.6833	15.425
0.7000	15.425
0.7166	15.425
0.7333	15.425
0.7500	15.425
0.7666	15.425
0.7833	15.425
0.8000	15.425
0.8166	15.425
0.8333	15.425
0.8500	15.425
0.8666	15.425
0.8833	15.425
0.9000	15.425
0.9166	15.425
0.9333	15.425
0.9500	15.425
0.9666	15.425
0.9833	15.425
1.0000	15.425
1.2000	15.425
1.4000	15.425
1.6000	15.425
1.8000	15.425
2.0000	15.425
2.2000	15.425
2.4000	15.425
2.6000	15.425
2.8000	15.425
3.0000	15.425
3.2000	15.425
3.4000	15.425
3.6000	15.425
3.8000	15.425
4.0000	15.425
4.2000	15.425
4.4000	15.425
4.6000	15.425
4.8000	15.425
5.0000	15.425
5.2000	15.425
5.4000	15.425
5.6000	15.425
5.8000	15.456
6.0000	15.542
6.2000	15.630
6.4000	15.722
6.6000	15.817
6.8000	15.906

7.0000	16.001
7.2000	16.092
7.4000	16.184
7.6000	16.273
7.8000	16.365
8.0000	16.457
8.2000	16.548
8.4000	16.640
8.6000	16.732
8.8000	16.821
9.0000	16.912
9.2000	17.004
9.4000	17.096
9.6000	17.188
9.8000	17.276
10.0000	17.368
12.0000	18.261
14.0000	19.093
16.0000	19.865
18.0000	20.637
20.0000	21.260
22.0000	21.871
24.0000	22.415
26.0000	22.909
28.0000	23.374
30.0000	23.810
32.0000	24.218
34.0000	24.598
36.0000	24.946
38.0000	25.269
40.0000	25.547
42.0000	25.794
44.0000	26.050
46.0000	26.331
48.0000	26.613
50.0000	26.878
52.0000	27.106
54.0000	27.312
56.0000	27.498
58.0000	27.666
60.0000	33.951
62.0000	32.392
64.0000	31.567
66.0000	31.194
68.0000	30.983
70.0000	30.856
72.0000	30.777
74.0000	30.723
76.0000	30.701
78.0000	30.679
80.0000	30.676
82.0000	30.679
84.0000	30.679
86.0000	30.679
88.0000	30.685
90.0000	30.698
92.0000	30.698
94.0000	30.701
96.0000	30.708
98.0000	30.704
100.000	30.708
105.000	30.701
110.000	30.679

115.000	30.657
120.000	30.651
125.000	30.654
130.000	30.660
135.000	30.670
140.000	30.666
145.000	30.670
150.000	30.689
155.000	30.714
160.000	30.733
165.000	30.749
170.000	30.758
175.000	30.771
180.000	30.787
185.000	30.799
190.000	30.802
195.000	30.806
200.000	30.806
205.000	30.802
210.000	30.818
215.000	30.821
220.000	30.831
225.000	37.155
230.000	34.324
235.000	33.265
240.000	32.686
245.000	32.272
250.000	31.959
255.000	31.713
260.000	31.523
265.000	31.375
270.000	31.267
275.000	31.198
280.000	31.147
285.000	31.112
290.000	31.077
295.000	31.043
300.000	31.005
305.000	30.964
310.000	30.919
315.000	30.885
320.000	30.862
325.000	30.847
330.000	30.834
335.000	30.821
340.000	30.824
345.000	30.821
350.000	30.809
355.000	30.806
360.000	30.812
365.000	30.818
370.000	30.818
375.000	30.815
380.000	30.809
385.000	30.809
390.000	30.796
395.000	30.790
400.000	30.780
405.000	30.783
410.000	30.777
415.000	30.783
420.000	30.793
425.000	30.790

430.000	30.774
435.000	30.742
440.000	30.730
445.000	30.711
450.000	30.692
455.000	30.689
460.000	30.682
465.000	30.682
470.000	30.685
475.000	30.685
480.000	30.676
485.000	30.663
490.000	30.638
495.000	30.610
500.000	30.575
505.000	30.549
510.000	30.540
515.000	30.572
520.000	30.597
525.000	30.616
530.000	30.628
535.000	30.638
540.000	30.641
545.000	30.641
550.000	30.638
555.000	30.647
560.000	30.670
565.000	30.689
570.000	30.695
575.000	30.695
580.000	30.698
585.000	30.695
590.000	30.708
595.000	30.711

SE1000C
Environmental Logger
04/17 19:17

Unit# 00811 Test 2

INPUT 1: Level (F) TOC

Reference	22.600
Linearity	0.000
Scale factor	10.000
Offset	0.050
Delay mSEC	50.000

Step 0 04/17 06:00:00

Elapsed Time	INPUT 1
0.0000	33.330
0.0033	33.349
0.0066	33.333
0.0100	33.318
0.0133	33.337
0.0166	33.340
0.0200	33.321
0.0233	33.333
0.0266	33.349
0.0300	33.324
0.0333	33.321
0.0366	33.340
0.0400	33.340
0.0433	33.321
0.0466	33.330
0.0500	33.340
0.0533	33.327
0.0566	33.321
0.0600	33.346
0.0633	33.337
0.0666	33.321
0.0700	33.330
0.0733	33.346
0.0766	33.330
0.0800	33.327
0.0833	33.343
0.0866	33.337
0.0900	33.327
0.0933	33.333
0.0966	33.346
0.1000	33.314
0.1033	33.340
0.1066	33.346
0.1100	33.333
0.1133	33.311
0.1166	33.314
0.1200	33.305
0.1233	33.273
0.1266	33.258
0.1300	33.258
0.1333	33.235
0.1366	33.213
0.1400	33.210
0.1433	33.201

Recovery Test Data

0.1466	33.169
0.1500	33.153
0.1533	33.150
0.1566	33.131
0.1600	33.103
0.1633	33.097
0.1666	33.090
0.1700	33.065
0.1733	33.040
0.1766	33.033
0.1800	33.024
0.1833	32.995
0.1866	32.976
0.1900	32.976
0.1933	32.964
0.1966	32.929
0.2000	32.913
0.2033	32.907
0.2066	32.897
0.2100	32.866
0.2133	32.853
0.2166	32.853
0.2200	32.844
0.2233	32.815
0.2266	32.800
0.2300	32.800
0.2333	32.787
0.2366	32.759
0.2400	32.752
0.2433	32.752
0.2466	32.743
0.2500	32.714
0.2533	32.705
0.2566	32.708
0.2600	32.695
0.2633	32.673
0.2666	32.654
0.2700	32.661
0.2733	32.654
0.2766	32.632
0.2800	32.610
0.2833	32.613
0.2866	32.613
0.2900	32.591
0.2933	32.566
0.2966	32.563
0.3000	32.569
0.3033	32.553
0.3066	32.528
0.3100	32.518
0.3133	32.522
0.3166	32.518
0.3200	32.493
0.3233	32.474
0.3266	32.474
0.3300	32.477
0.3333	32.462
0.3500	32.402
0.3666	32.338
0.3833	32.291
0.4000	32.253
0.4166	32.212
0.4333	32.152

0.4500	32.092
0.4666	32.048
0.4833	32.016
0.5000	31.969
0.5166	31.906
0.5333	31.855
0.5500	31.827
0.5666	31.789
0.5833	31.732
0.6000	31.681
0.6166	31.650
0.6333	31.609
0.6500	31.549
0.6666	31.492
0.6833	31.463
0.7000	31.422
0.7166	31.359
0.7333	31.312
0.7500	31.290
0.7666	31.236
0.7833	31.176
0.8000	31.151
0.8166	31.113
0.8333	31.046
0.8500	31.012
0.8666	30.986
0.8833	30.930
0.9000	30.888
0.9166	30.873
0.9333	30.822
0.9500	30.775
0.9666	30.759
0.9833	30.712
1.0000	30.661
1.2000	30.193
1.4000	29.818
1.6000	29.445
1.8000	28.794
2.0000	28.374
2.2000	28.128
2.4000	27.856
2.6000	27.619
2.8000	27.404
3.0000	27.170
3.2000	26.943
3.4000	26.754
3.6000	26.529
3.8000	26.340
4.0000	26.156
4.2000	25.948
4.4000	25.771
4.6000	25.594
4.8000	25.408
5.0000	25.253
5.2000	25.079
5.4000	24.909
5.6000	24.741
5.8000	24.590
6.0000	24.438
6.2000	24.286
6.4000	24.141
6.6000	23.967
6.8000	23.844

7.0000	23.696
7.2000	23.563
7.4000	23.402
7.6000	23.288
7.8000	23.155
8.0000	23.001
8.2000	22.890
8.4000	22.761
8.6000	22.628
8.8000	22.492
9.0000	22.366
9.2000	22.268
9.4000	22.135
9.6000	22.002
9.8000	21.895
10.0000	21.769
12.0000	20.688
14.0000	19.696
16.0000	18.787
18.0000	17.965
20.0000	17.204
22.0000	16.509
24.0000	16.389
26.0000	16.389
28.0000	16.389
30.0000	16.389
32.0000	16.389
34.0000	16.389
36.0000	16.389
38.0000	16.389
40.0000	16.389
42.0000	16.389
44.0000	16.389
46.0000	16.389
48.0000	36.912
50.0000	34.515
52.0000	34.300
54.0000	34.101
56.0000	33.924
58.0000	33.757
60.0000	33.747
62.0000	35.008
64.0000	36.312
66.0000	37.171
68.0000	38.514
70.0000	39.455
72.0000	39.790
74.0000	39.664
76.0000	39.278
78.0000	39.496
80.0000	40.653
82.0000	40.874
84.0000	40.899
86.0000	40.861
88.0000	21.747
90.0000	22.565
92.0000	23.711
94.0000	24.915
96.0000	25.525
98.0000	25.822
100.000	26.507
105.000	26.943
110.000	25.288

115.000	25.610
120.000	24.040
125.000	21.592
130.000	20.947
135.000	21.914
140.000	23.509
145.000	22.410
150.000	21.721
155.000	20.616
160.000	18.610
165.000	18.291
170.000	17.144
175.000	19.024
180.000	18.998
185.000	17.422
190.000	18.439
195.000	19.276
200.000	21.001
205.000	21.747
210.000	20.275
215.000	20.199
220.000	20.429
225.000	18.806
230.000	16.876
235.000	17.030
240.000	18.660
245.000	19.374
250.000	18.948
255.000	21.895
260.000	24.593
265.000	27.019
270.000	29.145
275.000	30.516
280.000	31.097
285.000	31.457
290.000	31.738
295.000	32.035
300.000	31.703
305.000	32.136
310.000	31.214
315.000	30.247
320.000	28.352
325.000	27.215
330.000	27.012
335.000	26.848
340.000	26.093
345.000	24.258
350.000	24.852
355.000	25.980
360.000	27.215
365.000	28.257
370.000	29.066
375.000	29.638
380.000	29.293
385.000	29.530
390.000	30.058
395.000	30.595
400.000	31.034
405.000	31.962
410.000	30.920
415.000	30.885
420.000	28.962
425.000	26.965

430.000	26.027
435.000	25.692
440.000	23.421
445.000	20.906
450.000	18.765
455.000	20.101
460.000	19.226
465.000	20.237
470.000	19.706
475.000	18.000
480.000	16.389
485.000	16.629
490.000	17.384
495.000	16.389
500.000	16.389
505.000	16.389
510.000	16.389
515.000	16.389
520.000	16.389
525.000	16.389
530.000	16.389
535.000	16.389
540.000	16.389
545.000	16.389
550.000	16.389
555.000	16.389
560.000	16.389
565.000	16.389

SE1000C
Environmental Logger
04/17 19:31

Unit# 00811 Test 2

INPUT 2: Level (F) TOC

Reference	21.500
Linearity	0.010
Scale factor	10.000
Offset	0.010
Delay mSEC	50.000

Step 0 04/17 06:00:00

Elapsed Time	INPUT 2
0.0000	30.728
0.0033	30.731
0.0066	30.735
0.0100	30.728
0.0133	30.728
0.0166	30.735
0.0200	30.731
0.0233	30.725
0.0266	30.731
0.0300	30.731
0.0333	30.725
0.0366	30.728
0.0400	30.735
0.0433	30.728
0.0466	30.728
0.0500	30.735
0.0533	30.735
0.0566	30.728
0.0600	30.728
0.0633	30.735
0.0666	30.728
0.0700	30.728
0.0733	30.735
0.0766	30.735
0.0800	30.728
0.0833	30.731
0.0866	30.735
0.0900	30.731
0.0933	30.728
0.0966	30.735
0.1000	30.735
0.1033	30.728
0.1066	30.731
0.1100	30.735
0.1133	30.728
0.1166	30.728
0.1200	30.735
0.1233	30.735
0.1266	30.728
0.1300	30.731
0.1333	30.735
0.1366	30.728
0.1400	30.728
0.1433	30.735

0.1466	30.735
0.1500	30.728
0.1533	30.728
0.1566	30.735
0.1600	30.731
0.1633	30.728
0.1666	30.731
0.1700	30.735
0.1733	30.728
0.1766	30.728
0.1800	30.735
0.1833	30.735
0.1866	30.728
0.1900	30.728
0.1933	30.735
0.1966	30.735
0.2000	30.728
0.2033	30.728
0.2066	30.735
0.2100	30.731
0.2133	30.728
0.2166	30.728
0.2200	30.735
0.2233	30.731
0.2266	30.728
0.2300	30.728
0.2333	30.735
0.2366	30.731
0.2400	30.728
0.2433	30.728
0.2466	30.735
0.2500	30.735
0.2533	30.728
0.2566	30.728
0.2600	30.735
0.2633	30.735
0.2666	30.728
0.2700	30.725
0.2733	30.731
0.2766	30.731
0.2800	30.728
0.2833	30.728
0.2866	30.731
0.2900	30.731
0.2933	30.731
0.2966	30.725
0.3000	30.725
0.3033	30.731
0.3066	30.731
0.3100	30.725
0.3133	30.725
0.3166	30.728
0.3200	30.731
0.3233	30.728
0.3266	30.725
0.3300	30.725
0.3333	30.731
0.3500	30.725
0.3666	30.725
0.3833	30.728
0.4000	30.728
0.4166	30.722
0.4333	30.722

0.4500	30.722
0.4666	30.722
0.4833	30.719
0.5000	30.712
0.5166	30.716
0.5333	30.719
0.5500	30.716
0.5666	30.706
0.5833	30.709
0.6000	30.712
0.6166	30.709
0.6333	30.700
0.6500	30.700
0.6666	30.706
0.6833	30.700
0.7000	30.694
0.7166	30.694
0.7333	30.694
0.7500	30.687
0.7666	30.684
0.7833	30.687
0.8000	30.681
0.8166	30.675
0.8333	30.678
0.8500	30.675
0.8666	30.665
0.8833	30.665
0.9000	30.665
0.9166	30.656
0.9333	30.656
0.9500	30.656
0.9666	30.646
0.9833	30.643
1.0000	30.643
1.2000	30.573
1.4000	30.497
1.6000	30.415
1.8000	30.330
2.0000	30.219
2.2000	30.096
2.4000	29.979
2.6000	29.859
2.8000	29.732
3.0000	29.603
3.2000	29.476
3.4000	29.344
3.6000	29.214
3.8000	29.081
4.0000	28.942
4.2000	28.809
4.4000	28.670
4.6000	28.534
4.8000	28.401
5.0000	28.262
5.2000	28.123
5.4000	27.987
5.6000	27.851
5.8000	27.715
6.0000	27.582
6.2000	27.443
6.4000	27.307
6.6000	27.177
6.8000	27.038

7.0000	26.909
7.2000	26.766
7.4000	26.634
7.6000	26.494
7.8000	26.365
8.0000	26.235
8.2000	26.105
8.4000	25.976
8.6000	25.846
8.8000	25.720
9.0000	25.590
9.2000	25.463
9.4000	25.337
9.6000	25.210
9.8000	25.081
10.0000	24.960
12.0000	23.771
14.0000	22.692
16.0000	21.699
18.0000	20.784
20.0000	19.943
22.0000	19.183
24.0000	18.522
26.0000	17.905
28.0000	17.338
30.0000	16.822
32.0000	16.354
34.0000	15.908
36.0000	15.512
38.0000	15.442
40.0000	15.442
42.0000	15.442
44.0000	15.442
46.0000	15.442
48.0000	15.442
50.0000	15.442
52.0000	15.442
54.0000	15.442
56.0000	15.442
58.0000	15.442
60.0000	15.465
62.0000	24.347
64.0000	21.424
66.0000	25.327
68.0000	28.670
70.0000	25.378
72.0000	22.850
74.0000	20.955
76.0000	19.509
78.0000	27.848
80.0000	34.951
82.0000	40.092
84.0000	40.101
86.0000	36.278
88.0000	37.852
90.0000	40.079
92.0000	40.098
94.0000	40.089
96.0000	40.085
98.0000	40.082
100.000	40.114
105.000	39.071
110.000	37.271

115.000	36.913
120.000	30.162
125.000	25.397
130.000	33.905
135.000	38.967
140.000	34.932
145.000	28.177
150.000	31.266
155.000	25.296
160.000	21.765
165.000	24.160
170.000	21.142
175.000	30.614
180.000	24.081
185.000	20.557
190.000	32.303
195.000	29.916
200.000	36.291
205.000	30.093
210.000	24.578
215.000	33.959
220.000	26.624
225.000	22.341
230.000	19.658
235.000	28.022
240.000	33.146
245.000	25.628
250.000	32.653
255.000	39.533
260.000	40.145
265.000	40.183
270.000	40.202
275.000	40.231
280.000	40.262
285.000	40.275
290.000	40.278
295.000	40.262
300.000	40.265
305.000	40.272
310.000	40.221
315.000	40.199
320.000	36.395
325.000	39.324
330.000	40.123
335.000	40.114
340.000	34.512
345.000	36.079
350.000	39.005
355.000	40.076
360.000	40.076
365.000	40.104
370.000	40.145
375.000	40.133
380.000	40.101
385.000	40.117
390.000	40.174
395.000	40.183
400.000	40.177
405.000	40.196
410.000	40.155
415.000	40.149
420.000	37.558
425.000	40.104

430.000	38.894
435.000	33.289
440.000	27.883
445.000	24.160
450.000	24.818
455.000	28.382
460.000	23.265
465.000	30.403
470.000	24.388
475.000	21.076
480.000	18.921
485.000	28.155
490.000	22.113
495.000	19.085
500.000	17.316
505.000	16.034
510.000	15.442
515.000	19.427
520.000	16.576
525.000	15.442
530.000	15.442
535.000	15.442
540.000	15.442
545.000	15.442
550.000	15.442
555.000	15.442
560.000	15.442
565.000	15.442

APPENDIX G

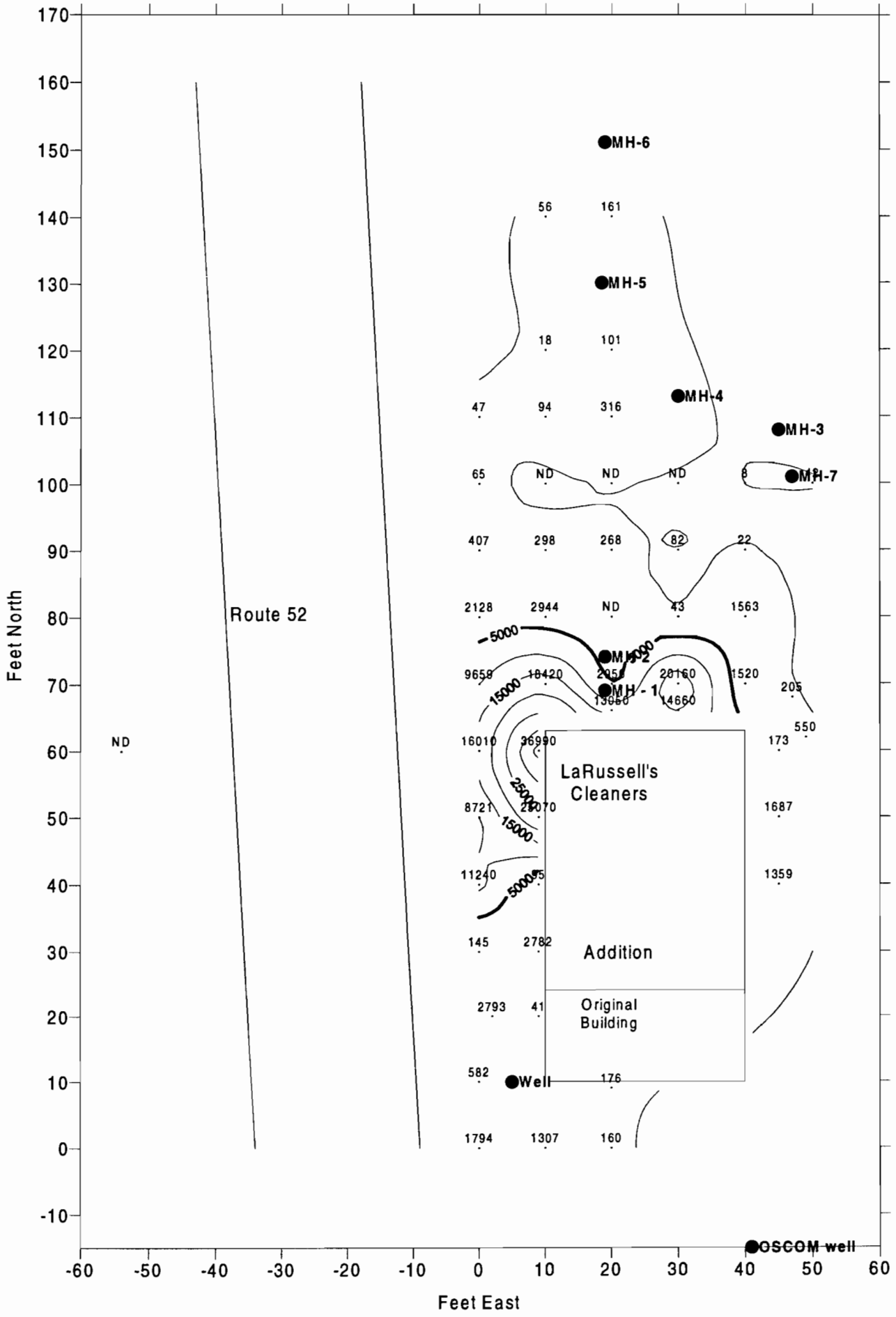
SOIL GAS SURVEY DATA

LaRussell Cleaners Soil Gas Survey Results

Northing	Easting	Concentrations (ppb)			File Name
		DCE	TCE	PCE	
60	-54	ND	ND	ND	SG60-54
0	0	10.15	ND	1,794.00	SG000
10	0	ND	ND	581.50	SG1000
20	0	ND	ND	159.60	
30	0	ND	ND	145.30	SG3000
40	0	ND	57.09	11,240.00	SG4000
50	0	ND	29.84	8,721.00	SGG5000
60	0	ND	38.52	16,010.00	SG6000
70	0	ND	54.79	9,659.00	SG7000
80	0	ND	ND	2,128.00	SG8000
90	0	0.82	ND	406.70	SG9000
100	0	ND	ND	65.07	SG10000
110	0	ND	ND	46.76	SG11000
20	2	ND	ND	2,793.00	SG2002
20	9	ND	ND	41.01	SG2009
30	9	ND	ND	2,782.00	SG3009
40	9	0.12	ND	94.82	SG4009
50	9	ND	ND	25,070.00	SG5009
60	9	ND	71.28	36,990.00	SG6009
0	10	9.56	ND	1,307.00	SG010
70	10	ND	34.33	18,420.00	SG7010
80	10	190.30	ND	2,944.00	SG8010
90	10	5.96	44.26	297.50	SG9010
100	10	ND	ND	ND	SG10010
110	10	ND	ND	93.85	SG11010
120	10	ND	46.40	17.66	SG12010A
140	10	ND	ND	56.46	SG14010
0	20	ND	ND	159.00	SG020
9	20	ND	ND	175.60	SG0920
66	20	ND	97.69	13,050.00	SG6620
70	20	ND	21.69	2,950.00	SG7020
80	20	ND	ND	ND	SG8020
90	20	172.00	82.42	268.20	SG9020
100	20	ND	ND	ND	SG10020
110	20	ND	236.30	315.60	SG11020
120	20	ND	ND	100.60	SG12020
140	20	ND	240.50	161.30	SG14020
66	30	ND	248.40	14,660.00	SG6640
70	30	ND	243.33	20,160.00	SG7030
80	30	ND	ND	42.77	
90	30	3.75	ND	81.70	SG9030
100	30	ND	ND	ND	SG10030
70	40	ND	34.75	1,520.00	SG7040
80	40	69.65	115.50	1,563.00	SG80402

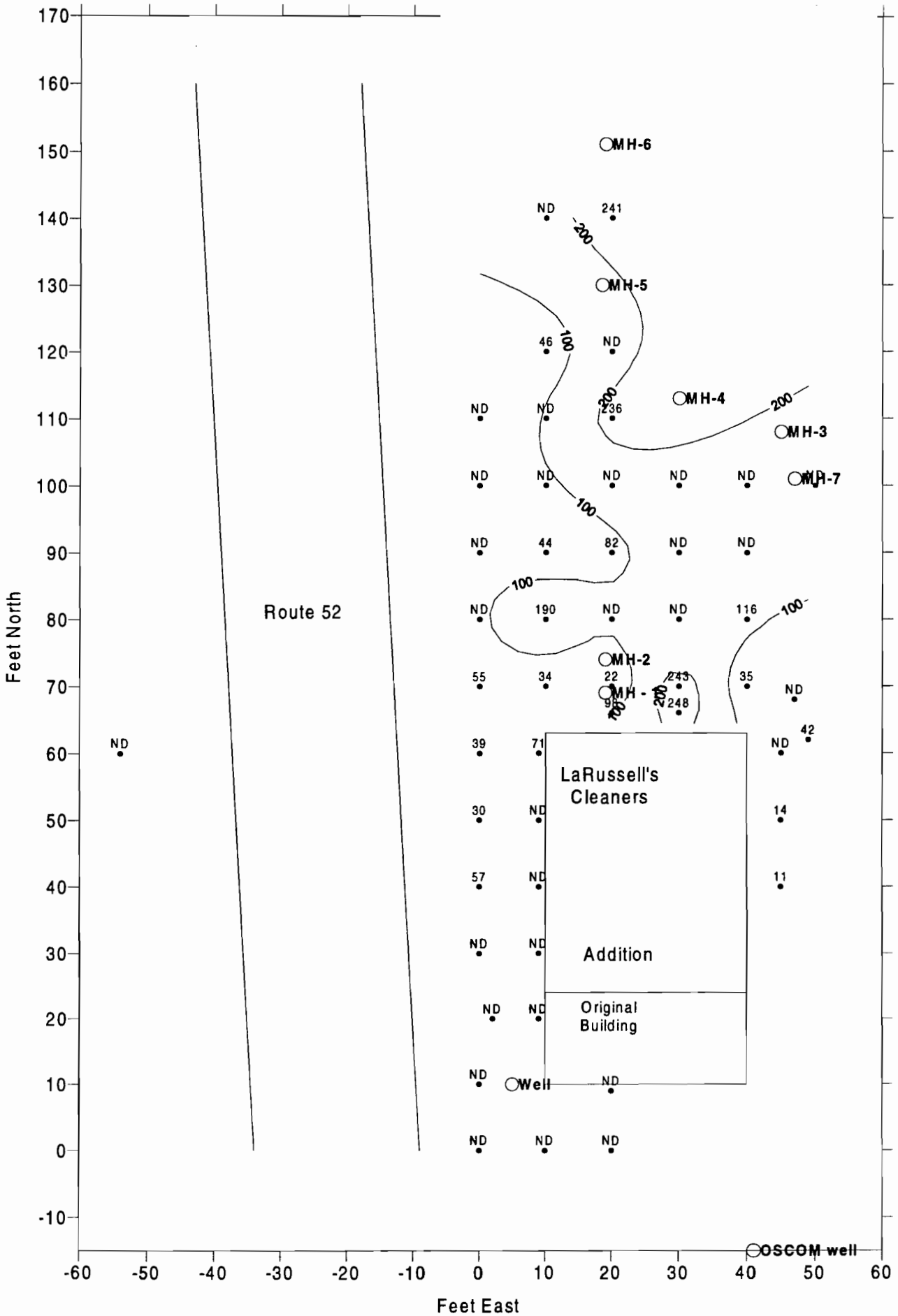
LaRussell Cleaners Soil Gas Survey Results

Northing	Easting	Concentrations (ppb)			File Name
		DCE	TCE	PCE	
90	40	ND	ND	22.39	SG9040
100	40	ND	ND	8.44	SG10040
40	45	ND	10.74	1,359.00	SG4045
50	45	ND	13.50	1,687.00	SG5045
60	45	ND	ND	172.50	SG6045
68	47	ND	ND	204.70	SG6847
62	49	67.60	41.57	550.10	SG6249
100	50	ND	ND	41.72	SG10050



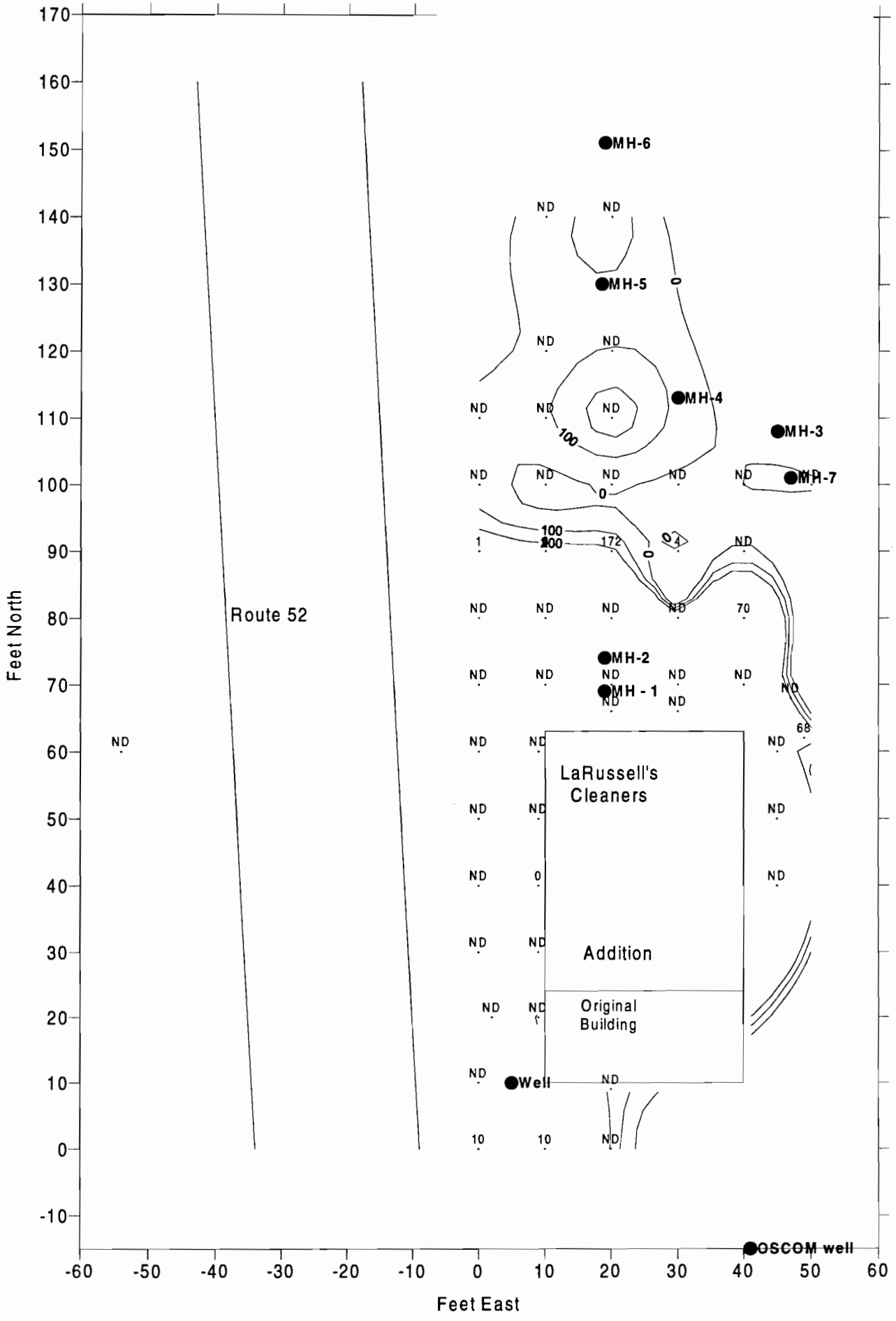
LaRussell's Cleaners Site

Soil Gas Survey
PCE Concentration (ppb)
Revised 10/15/96



LaRussell's Cleaners Site

Soil Gas Survey
TCE Concentration (ppb)
Revised 10/15/96



LaRussell's Cleaners Site

Soil Gas Survey
DCE Concentration (ppb)
Revised 10/15/96

APPENDIX H

ANALYTICAL RESULTS

TABLE 1
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SOIL GAS SAMPLE RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SG8010	SG6000	SG000	SG5045	CONTRACT REQUIRED DETECTION LIMIT
DATE OF COLLECTION	09/24/96	09/24/96	09/24/96	09/24/96	
AIR VOLUME (LITERS)	7.94	7.94	7.94	6.08	
PARAMETERS	ppm	ppm	ppm	ppm	ppm
1, 1, 2-Trichloroethane	U	U	U	U	0.2
1, 1-Dichloroethane	U	U	U	U	0.2
1, 2-Dichloroethane	U	U	U	U	0.09
Alpha-Methylstyrene	U	U	U	U	0.05
Acetone	U	U	U	U	0.2
Benzene	U	U	U	U	0.08
Carbon Tetrochloride	U	U	U	U	0.4
Cellosolve Acetate	U	U	U	U	0.2
Chlorobenzene	U	U	U	U	0.05
Chloroform	U	U	U	U	0.2
Cyclohexane	U	U	U	U	0.07
Cyclohexene	U	U	U	U	0.08
Cyclohexanone	U	U	U	U	0.2
Ethyl Benzene	U	U	U	U	0.06
Ethyl Alcohol	U	U	U	U	0.5
Isobutyl Alcohol	U	U	U	U	0.2
Isopropyl Alcohol	U	U	U	U	0.2
1, 1, 1-Trichloroethane	U	U	U	U	0.1
m-Dichlorobenzene	U	U	U	U	0.06
Methyl Ethyl Ketone	U	U	U	U	0.1
Methyl Isobutyl Ketone	U	U	U	U	0.06
Methyl n-Propyl Ketone	U	U	U	U	0.1
n-Butyl Acetate	U	U	U	U	0.08
n-Butyl Alcohol	U	U	U	U	0.2
n-Hexane	U	U	U	U	0.07
n-Propyl Acetate	U	U	U	U	0.09
Octane	U	U	U	U	0.05
o-Dichlorobenzene	U	U	U	U	0.06
p-Dichlorobenzene	U	U	U	U	0.06
Petroleum Distillates	U	U	U	U	200
p-tert-Butyl Toluene	U	U	U	U	0.04
Tetrachloroethylene	0.8	0.2	0.1	U	0.1
Tetrahydrofuran	U	U	U	U	0.2
Toluene	U	U	U	U	0.07
Vinylidene Chloride	U	U	U	U	0.2
Vinyl Toluene	U	U	U	U	0.05
Xylene	U	U	U	U	0.1

Qualifiers:
U: Compound analyzed for but not detected

TABLE 2
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SEPTIC SYSTEM SEDIMENT SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SD-1	SD-2	CONTRACT	NYSDEC
DATE OF COLLECTION	09/19/96	09/19/96	REQUIRED	RECOMMENDED
DILUTION FACTOR	250	1	DETECTION	SOIL CLEANUP
PERCENT SOLIDS	7	81	LIMIT	OBJECTIVES*
VOLATILE ORGANICS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane	U	U	10	----
Bromomethane	U	U	10	----
Vinyl Chloride	U	U	10	200
Chloroethane	U	U	10	1900
Methylene Chloride	U	U*	10	100
Acetone	U	U*	10	200
Carbon Disulfide	U	U	10	2700
1,1-Dichloroethene	U	U	10	400
1,1-Dichloroethane	U	U	10	200
1,2-Dichloroethene (total)	**190000 J***	4 J	10	300
Chloroform	U	U	10	300
1,2-Dichloroethane	U	U	10	100
2-Butanone	U	U	10	300
1,1,1-Trichloroethane	U	U	10	800
Carbon Tetrachloride	U	U	10	600
Bromodichloromethane	U	U	10	----
1,2-Dichloropropane	U	U	10	----
cis-1,3-Dichloropropene	U	U	10	----
Trichloroethene	U	U	10	700
Dibromochloromethane	U	U	10	----
1,1,2-Trichloroethane	U	U	10	----
Benzene	U	U	10	60
Trans-1,3-Dichloropropene	U	U	10	----
Bromoform	U	U	10	----
4-Methyl-2-Pentanone	U	U	10	1000
2-Hexanone	U	U	10	----
Tetrachloroethene	U	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	10	600
Toluene	U	U	10	1500
Chlorobenzene	U	U	10	1700
Ethylbenzene	U	U	10	5500
Styrene	U	U	10	----
Total Xylenes	U	U	10	1200
TOTAL VOCs	**190000**	4		10000

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect based on validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at a concentration below the detection limit
J*: Result qualified as estimated since the sample was >90% liquid and possibly should have been reported as a liquid

NOTES
[ ]: value exceeds standard/guideline

TABLE 3
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SURFACE SOIL SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SS-1	SS-2	CONTRACT
DATE OF COLLECTION	09/19/96	09/19/96	REQUIRED
DILUTION FACTOR	1	1	DETECTION
PERCENT SOLIDS	89	94	LIMIT
VOLATILE ORGANICS	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane	U	U	10
Bromomethane	U	U	10
Vinyl Chloride	U	U	10
Chloroethane	U	U	10
Methylene Chloride	U	U*	10
Acetone	U	U*	10
Carbon Disulfide	U	U	10
1,1-Dichloroethene	U	U	10
1,1-Dichloroethane	U	U	10
1,2-Dichloroethene (total)	U	U	10
Chloroform	U	U	10
1,2-Dichloroethane	U	U	10
2-Butanone	U	U	10
1,1,1-Trichloroethane	U	1 J	10
Carbon Tetrachloride	U	U	10
Bromodichloromethane	U	U	10
1,2-Dichloropropane	U	U	10
cis-1,3-Dichloropropene	U	U	10
Trichloroethene	U	U	10
Dibromochloromethane	U	U	10
1,1,2-Trichloroethane	U	U	10
Benzene	U	U	10
Trans-1,3-Dichloropropene	U	U	10
Bromoform	U	U	10
4-Methyl-2-Pentanone	U	U	10
2-Hexanone	U	U	10
Tetrachloroethene	54 J*	8	10
1,1,2,2-Tetrachloroethane	U	U	10
Toluene	U	U	10
Chlorobenzene	U	U	10
Ethylbenzene	U	U	10
Styrene	U	U	10
Total Xylenes	U	U	10
TOTAL VOCs	54	9	

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect based on validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at a concentration below the detection limit
J*: Result qualified as estimated based on validation criteria

NOTES
[ ]: value exceeds standard/guideline

TABLE 4
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SOIL BORING SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SB-1A	SB-2	SB-2	SB-2	SB-3	SB-3	SB-4	SB-4	CONTRACT	NYSDEC
DATE OF COLLECTION	10/09/96	10/09/96	10/09/96	10/10/96	10/10/96	10/10/96	10/10/96	10/10/96	REQUIRED	RECOMMENDED
DEPTH OF SAMPLE	4-6 feet	0-2 feet	2-4 feet	4-6 feet	2-4 feet	6-8 feet	2-4 feet	4-6 feet	DETECTION	SOIL CLEANUP
DILUTION FACTOR	1	1	1	1	1	1	1	1	LIMIT	OBJECTIVES*
PERCENT SOLIDS	94.2	94.8	95.4	93	79	89.7	87.9	88.7		
VOLATILE ORGANICS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	U	U	U	U	10	----
Bromomethane	U	U	U	U	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	U	U	U	U	10	200
Chloroethane	U	U	U	U	U	U	U	U	10	1900
Methylene Chloride	5 J	3 J	3 J	3 J	15	5 J	5 J	7 J	10	100
Acetone	76	U	U	U	U	U	U	U	10	200
Carbon Disulfide	2 J	U	U	U	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	U	U	U	U	10	300
Chloroform	U	U	U	U	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	U	U	U	U	10	100
2-Butanone	16 J*	U	U	U	U	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	----
Trichloroethene	U	U	U	U	U	U	2 J*	U	10	700
Dibromochloromethane	U	U	U	U	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	10	----
Benzene	U	U	U	U	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	----
Bromoform	U	U	U	U	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	U	U	U	U	10	----
Tetrachloroethene	U	5 J	10 J	U	480 D	U	700 D	42	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	10	600
Toluene	U	U	U	U	4 J	U	U	U	10	1500
Chlorobenzene	U	U	U	U	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	2 J	U	U	U	10	5500
Styrene	U	U	U	U	U	U	U	U	10	----
Total Xylenes	U	U	U	U	4 J	U	U	U	10	1200
TOTAL VOCs	99	8	13	3	505	5	707	49		10000

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect based on validation criteria
J: Compound found at a concentration below the the detection limit
J*: Result qualified as estimated based on validation criteria
E: Compound exceeds calibration limits, value estimated
D: Result taken from the re-analysis at a 1:5 dilution
D*: Result taken from the re-analysis at a 1:125 dilution
D**: Result taken from the re-analysis at a 1:2 dilution

NOTES
*: Total volatiles not to exceed 10,000 ug/kg.
[ ]: value exceeds recommended cleanup objective
----: not established

TABLE 4
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SOIL BORING SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SB-4	SB-5	SB-6	SB-7	SB-8	SB-8A	SB-9	SB-10	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES*
DATE OF COLLECTION	10/10/96	10/10/96	10/10/96	10/10/96	10/09/97	3/5/97	10/10/96	10/10/96		
DEPTH OF SAMPLE	6-8 feet	2-4 feet	4-6 feet	0-2 feet	0-2 feet	0-2 feet	0-2 feet	0-2 feet		
DILUTION FACTOR	1	1	1	1	1	1	1	1		
PERCENT SOLIDS	92.4	78.4	85.5	94	84	87	93	92		
VOLATILE ORGANICS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	U	U	U	U	10	----
Bromomethane	U	U	U	U	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	U	U	U	U	10	200
Chloroethane	U	U	U	U	U	U	U	U	10	1900
Methylene Chloride	4 J	17	U	5 J	26 B	2 J	5	8	10	100
Acetone	U	22	U	U	U	U	U*	U*	10	200
Carbon Disulfide	U	2 J	U	U	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	U	U	U	U	10	300
Chloroform	U	U	U	U	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	U	U	U	U	10	100
2-Butanone	U	U	U	U	U	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	----
Trichloroethene	U	3 J	U	U	11	3 J	9	99	10	700
Dibromochloromethane	U	U	U	U	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	10	----
Benzene	U	U	U	U	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	----
Bromoform	U	U	U	U	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	U	U	U	U	10	----
Tetrachloroethene	U	3100	U	26	490 E	180 D**	21	11	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	10	600
Toluene	U	U	U	U	U	2 J	U	1	10	1500
Chlorobenzene	U	U	U	U	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	U	U	U	U	10	5500
Styrene	U	U	U	U	U	U	U	U	10	----
Total Xylenes	U	U	U	U	U	U	U	U	10	1200
TOTAL VOCs	4	3144	0	31	527	187		119		10000

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect based on validation criteria
J: Compound found at a concentration below the the detection limit
J*: Result qualified as estimated based on validation criteria
E: Compound exceeds calibration limits, value estimated
D: Result taken from the re-analysis at a 1:5 dilution
D*: Result taken from the re-analysis at a 1:125 dilution
D**: Result taken from the re-analysis at a 1:2 dilution

NOTES
*: Total volatiles not to exceed 10,000 ug/kg.
☐: value exceeds recommended cleanup objective
----: not established

TABLE 4
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SOIL BORING SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SB-11	SB-12	SB-13	SB-14	SB-15	SB-15	SB-15	'SB-15	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES*
DATE OF COLLECTION	10/10/96	10/10/96	3/5/97	3/5/97	3/6/97	3/6/97	3/6/97	3/6/97		
DEPTH OF SAMPLE	0-2 feet	2-4 feet	4-6 feet	4-6 feet	0-2 feet	2-4 feet	4-6 feet	8-10 feet		
DILUTION FACTOR	1	1	1	1	1	1	1	1		
PERCENT SOLIDS	96	74	89	88	86	84	78	84		
VOLATILE ORGANICS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	U	U	U	3 J	6 J	10	----
Bromomethane	U	U	U	U	U	U	U	U	10	----
Vinyl Chloride	U	U	U	U	U	U	U	U	10	200
Chloroethane	U	U	U	U	U	U	U	U	10	1900
Methylene Chloride	11	75	3 J	5 J	4 J	3 J	2 J	2 J	10	100
Acetone	U*	U*	U	U	30	110	460 D**	170 D**	10	200
Carbon Disulfide	U	U	U	U	U	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	U	U	U	U	U	10	400
1,1-Dichloroethane	U	U	U	U	U	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	U	U	U	U	U	10	300
Chloroform	U	U	U	U	U	U	U	U	10	300
1,2-Dichloroethane	U	U	U	U	U	U	U	U	10	100
2-Butanone	U	U	U	U	U	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	10	800
Carbon Tetrachloride	U	U	U	U	U	U	U	U	10	600
Bromodichloromethane	U	U	U	U	U	U	U	U	10	----
1,2-Dichloropropane	U	U	U	U	U	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	----
Trichloroethene	4	U	U	U	U	U	U	U	10	700
Dibromochloromethane	U	U	U	U	U	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	10	----
Benzene	U	U	U	U	U	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	----
Bromoform	U	U	U	U	U	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	10	1000
2-Hexanone	U	U	U	U	U	U	U	U	10	----
Tetrachloroethene	2 J	140	U	100	U	U	35	U	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	10	600
Toluene	U	U	U	9 J	U	U	U	U	10	1500
Chlorobenzene	U	U	U	U	U	U	U	U	10	1700
Ethylbenzene	U	U	U	U	U	U	U	U	10	5500
Styrene	U	U	U	U	U	U	U	U	10	----
Total Xylenes	U	U	U	4 J	1 J	U	U	U	10	1200
TOTAL VOCs	17	215	3	118	35	113	500	178		10000

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect based on validation criteria
J: Compound found at a concentration below the the detection limit
J*: Result qualified as estimated based on validation criteria
E: Compound exceeds calibration limits, value estimated
D: Result taken from the re-analysis at a 1:5 dilution
D*: Result taken from the re-analysis at a 1:125 dilution
D**: Result taken from the re-analysis at a 1:2 dilution

NOTES
*: Total volatiles not to exceed 10,000 ug/kg.
☐: value exceeds recommended cleanup objective
----: not established

TABLE 5
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SOIL SAMPLING RESULTS
TOTAL ORGANIC CARBON

SAMPLE IDENTIFICATION	TOTAL ORGANIC CARBON (mg/kg)
SB-1 SS1	12300
SB-2 SS1	31200
SB-2 SS3	18900
SB-3 SS2	46000
SB-3 SS4	2120
SB-4 SS2	8460
SB-4 SS3	5320
SB-4 SS4	1380
SB-5 SS2	12000
SB-6 SS3	502
SB-7 SS1	21000

TABLE 6
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
DIRECT PUSH GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SB-2- GW	SB-3-GW	SB-4-GW	SB-5-GW	SB-6-GW	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARDS/GUIDELINES
DATE OF COLLECTION	10/09/96	10/10/96	10/10/96	10/10/96	10/10/96		
DILUTION FACTOR	1	1	1	1	1		
VOLATILE ORGANICS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	U	U	U	U	U	10	5 ST
Vinyl Chloride	U	U	U	U	U	10	2 ST
Bromomethane	U	U	U	U	U	10	5 ST
Chloroethane	U	U	U	U	U	10	5 ST
1,1-Dichloroethene	U	U	U	U	U	10	5 ST
Acetone	U	U	U	U	U	10	50 GV
Carbon Disulfide	U	U	U	U	U	10	----
Methylene Chloride	U*	U*	U*	U	U*	10	5 ST
1,2-Dichloroethene (total)	9 J	10 J	14	18	U	10	5 ST
trans-1,2-Dichloroethene	U	U	U	U	U	10	5 ST
cis-1,2-Dichloroethene	9 J	10	14	18	U	10	5 ST
1,1-Dichloroethane	U	U	U	U	U	10	5 ST
Chloroform	U	U	U	U	U	10	7 ST
1,2-Dichloroethane	U	U	U	U	U	10	5 ST
2-Butanone	U	U	U	U	U	10	50 GV
1,1,1-Trichloroethane	U	U	U	U	U	10	5 ST
Carbon Tetrachloride	U	U	U	U	U	10	5 ST
Benzene	U	U	U	U	U	10	0.7 ST
Trichloroethene	2 J	U	10	13	U	10	5 ST
1,2-Dichloropropane	U	U	U	U	U	10	5 ST
Bromodichloromethane	U	U	U	U	U	10	50 GV
cis-1,3-Dichloropropene	U	U	U	U	U	10	5 ST
trans-1,3-Dichloropropene	U	U	U	U	U	10	5 ST
1,1,2-Trichloroethane	U	U	U	U	U	10	5 ST
Dibromochloromethane	U	U	U	U	U	10	50 GV
Bromoform	U	U	U	U	U	10	50 GV
4-Methyl-2-Pentanone	U	U	U	U	U	10	----
Toluene	U	U	U	U	U	10	5 ST
Tetrachloroethene	60	81	160	96	U	10	5 ST
2-Hexanone	U	U	U	U	U	10	50 GV
Chlorobenzene	U	U	U	U	U	10	5 ST
Ethylbenzene	U	U	U	U	U	10	5 ST
Total Xylenes	U	U	U	U	U	10	5 ST*
Styrene	U	U	U	U	U	10	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	10	5 ST
TOTAL VOCs	80	101	198	145	0		

QUALIFIERS
U: Compound analyzed for but not detected
B: Compound found in the blank as well as the sample
J: Compound found at a concentration below the detection limit
U*: Result qualified as non-detect based on validation criteria

NOTES
*: Total volatiles not to exceed 10,000 ug/kg.
[ ]: value exceeds class GA groundwater standards/guidelines
----: not established

TABLE 7
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
FIRST ROUND - GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-4S	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96	11/21/96		
DILUTION FACTOR	1	1	1	1	1	1	1		
VOLATILE ORGANICS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	U	U	U	U	U	U	U	10	5 ST
Bromomethane	U	U	U	U	U	U	U	10	5 ST
Vinyl Chloride	6 J	6 J	U	U	U	U	U	10	2 ST
Chloroethane	U	U	U	U	U	U	U	10	5 ST
Methylene Chloride	U	U	U	U*	U	U*	U*	10	5 ST
Acetone	U	U	U	U*	U	U*	U*	10	50 GV
Carbon Disulfide	U	U	U	U	U	U	U	10	----
1,1-Dichloroethene	U	U	U	U	U	U	U	10	5 ST
1,1-Dichloroethane	U	U	U	U	U	1 J	U	10	5 ST
1,2-Dichloroethene (total)	97	86	U	U	360	45	U	10	5 ST
Chloroform	U	U	U	U	67 J	U	U	10	7 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	10	5 ST
2-Butanone	U	U	U	10 J*	U	14 J*	19 J*	10	50 GV
1,1,1-Trichloroethane	U	U	U	U	U	U	U	10	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	10	5 ST
Bromodichloromethane	U	U	U	U	U	U	U	10	50 GV
1,2-Dichloropropane	U	U	U	U	U	U	U	10	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	10	5 ST
Trichloroethene	2 J	2 J	U	U	52 J	3 J	U	10	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	10	50 GV
1,1,2-Trichloroethane	U	U	U	U	U	U	U	10	5 ST
Benzene	U	U	U	U	U	U	U	10	0.7 ST
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	10	5 ST
Bromoform	U	U	U	U	U	U	U	10	50 GV
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	10	----
2-Hexanone	U	U	U	U	U	U	U	10	50 GV
Tetrachloroethene	12	U	U	U	300	12	U	10	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	10	5 ST
Toluene	U	U	U	U	U	U	U	10	5 ST
Chlorobenzene	U	U	U	U	U	U	U	10	5 ST
Ethylbenzene	U	U	U	U	U	U	U	10	5 ST
Styrene	U	U	U	U	U	U	U	10	5 ST
Total Xylenes	U	U	U	U	U	U	U	10	5 ST*
TOTAL VOCs	117	94	0	10	779	75	19		

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect due to validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the detection limit
J*: Result qualified as estimated based on validation criteria

NOTES
GV: Guidance Value
ST: Standard
[ ]: value exceeds standard/guideline
----: not established
*: Applies to each isomer individually

TABLE 7 (continued)
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
FIRST ROUND - GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	MW-4D	MW-5S	MW-6					CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	11/21/96	11/21/96	11/21/96						
DILUTION FACTOR	1	1	1						
VOLATILE ORGANICS	(ug/l)	(ug/l)	(ug/l)					(ug/l)	(ug/l)
Chloromethane	U	U	U					10	5 ST
Bromomethane	U	U	U					10	5 ST
Vinyl Chloride	U	U	U					10	2 ST
Chloroethane	U	U	U					10	5 ST
Methylene Chloride	U*	U*	U*					10	5 ST
Acetone	U	U*	U*					10	50 GV
Carbon Disulfide	U	U	U					10	----
1,1-Dichloroethene	U	U	U					10	5 ST
1,1-Dichloroethane	U	U	U					10	5 ST
1,2-Dichloroethene (total)	U	U	**97**					10	5 ST
Chloroform	U	1 JB	U					10	7 ST
1,2-Dichloroethane	U	U	U					10	5 ST
2-Butanone	U	U	18 J*					10	50 GV
1,1,1-Trichloroethane	U	U	U					10	5 ST
Carbon Tetrachloride	U	U	U					10	5 ST
Bromodichloromethane	U	U	U					10	50 GV
1,2-Dichloropropane	U	U	U					10	5 ST
cis-1,3-Dichloropropene	U	U	U					10	5 ST
Trichloroethene	U	U	**44**					10	5 ST
Dibromochloromethane	U	U	U					10	50 GV
1,1,2-Trichloroethane	U	U	U					10	5 ST
Benzene	U	U	U					10	0.7 ST
Trans-1,3-Dichloropropene	U	U	U					10	5 ST
Bromoform	U	U	U					10	50 GV
4-Methyl-2-Pentanone	U	U	U					10	----
2-Hexanone	U	U	U					10	50 GV
Tetrachloroethene	U	U	**500 D**					10	5 ST
1,1,2,2-Tetrachloroethane	U	U	U					10	5 ST
Toluene	U	U	U					10	5 ST
Chlorobenzene	U	U	U					10	5 ST
Ethylbenzene	U	U	U					10	5 ST
Styrene	U	U	U					10	5 ST
Total Xylenes	U	U	U					10	5 ST*
TOTAL VOCs	0	1	659						

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect due to validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the detection limit
J*: Result qualified as estimated based on validation criteria
D: Result taken from re-analysis at a 1:5 dilution

NOTES
GV: Guidance Value
ST: Standard
bold: value exceeds standard/guideline
----: not established
*: Applies to each isomer individually

TABLE 8
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
FIRST ROUND - GROUNDWATER SAMPLING RESULTS
INORGANIC CONSTITUENTS

SAMPLE IDENTIFICATION	MW-1S	MW-1D	MW-2S	MW-2D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	11/21/96	11/21/96	11/21/96	11/21/96		
DILUTION FACTOR	1	1	1	1		
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Iron	**5130**	**2540**	**3200**	**692**	37	300 ST *
Manganese	**5120**	**884**	**352**	110		300 ST *

SAMPLE IDENTIFICATION	MW-3S	MW-3D	MW-4S	MW-4D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	11/21/96	11/21/96	11/21/96	11/21/96		
DILUTION FACTOR	1	1	1	1		
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Iron	**15300**	**720**	**2290**	**721**	37	300 ST *
Manganese	**1270**	**493**	**450**	151		300 ST *

SAMPLE IDENTIFICATION	MW-5S	MW-6			CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	11/21/96	11/21/96				
DILUTION FACTOR	1	1				
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)			(ug/l)	(ug/l)
Iron	**577**	**3200**			37	300 ST *
Manganese	**581**	**352**				300 ST *

Notes:
[ ]: value exceeds standard/guideline
*: The combined standard for iron and manganese is 500 ug/l

TABLE 9
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SECOND ROUND - GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	MW-1S	MW-1D	MW-2S	MW-2D	MW-3S	MW-3D	MW-4S	MW-4D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	3/24/97	3/24/97	3/24/97	3/24/97	3/24/97	3/24/97	3/25/97	3/25/97		
DILUTION FACTOR	1	1	1	1	1	1	1	1		
VOLATILE ORGANICS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	U	U	U	U	U	U	U	U	10	5 ST
Bromomethane	U	U	U	U	U	U	U	U	10	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	10	2 ST
Chloroethane	U	U	U	U	U	U	U	U	10	5 ST
Methylene Chloride	4 J	4 J	U	U	U	U	U	U	10	5 ST
Acetone	U	U	U	U	U	U	U	U	10	50 GV
Carbon Disulfide	U	U	U	U	U	U	U	U	10	----
1,1-Dichloroethene	U	U	U	U	U	U	U	U	10	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	10	5 ST
1,2-Dichloroethene (total)	96	52	U	U	20	43	U	U	10	5 ST
Chloroform	U	U	U	U	U	U	U	U	10	7 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	10	5 ST
2-Butanone	U	U	U	U	U	U	U	U	10	50 GV
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	10	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	10	5 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	10	50 GV
1,2-Dichloropropane	U	U	U	U	U	U	U	U	10	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	5 ST
Trichloroethene	4 I	2 I	U	U	3 J	5 I	U	U	10	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	10	50 GV
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	10	5 ST
Benzene	U	U	U	U	U	U	U	U	10	0.7 ST
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	5 ST
Bromoform	U	U	U	U	U	U	U	U	10	50 GV
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	10	----
2-Hexanone	U	U	U	U	U	U	U	U	10	50 GV
Tetrachloroethene	4 J	2 J	U	U	15	22	U	U	10	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	10	5 ST
Toluene	U	U	U	U	U	U	U	U	10	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	10	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	10	5 ST
Styrene	U	U	U	U	U	U	U	U	10	5 ST
Total Xylenes	U	U	U	U	U	U	U	U	10	5 ST*
TOTAL VOCs	108	60	0	0	38	70	0	0		

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect due to validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the detection limit
J*: Result qualified as estimated based on validation criteria

NOTES
GV: Guidance Value
ST: Standard
[ ]: value exceeds standard/guideline
----: not established
*: Applies to each isomer individually

TABLE 9 (continued)
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SECOND ROUND - GROUNDWATER SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	MW-5S	MW-6	MW-7S	MW-7D	MW-8S	MW-8D	MW-9S	MW-9D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	3/24/97	3/24/97	3/25/97	3/25/97	3/24/97	3/24/97	3/24/97	3/24/97		
DILUTION FACTOR	1	1	1	1	1	1	1	1		
VOLATILE ORGANICS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Chloromethane	U	U	U	U	U	U	U	U	10	5 ST
Bromomethane	U	U	U	U	U	U	U	U	10	5 ST
Vinyl Chloride	U	U	U	U	U	U	U	U	10	2 ST
Chloroethane	U	U	U	U	U	U	U	U	10	5 ST
Methylene Chloride	U	U	U	U	3 J	3 J	U	U	10	5 ST
Acetone	U	U	U	U	U	U	U	U	10	50 GV
Carbon Disulfide	U	U	U	U	U	U	U	U	10	----
1,1-Dichloroethene	U	U	U	U	U	U	U	U	10	5 ST
1,1-Dichloroethane	U	U	U	U	U	U	U	U	10	5 ST
1,2-Dichloroethene (total)	U	**170**	U	U	U	**11**	U	U	10	5 ST
Chloroform	U	U	U	U	U	U	U	U	10	7 ST
1,2-Dichloroethane	U	U	U	U	U	U	U	U	10	5 ST
2-Butanone	U	U	U	U	U	U	U	U	10	50 GV
1,1,1-Trichloroethane	U	U	U	U	U	U	U	U	10	5 ST
Carbon Tetrachloride	U	U	U	U	U	U	U	U	10	5 ST
Bromodichloromethane	U	U	U	U	U	U	U	U	10	50 GV
1,2-Dichloropropane	U	U	U	U	U	U	U	U	10	5 ST
cis-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	5 ST
Trichloroethene	U	**110**	U	U	U	3 J	U	U	10	5 ST
Dibromochloromethane	U	U	U	U	U	U	U	U	10	50 GV
1,1,2-Trichloroethane	U	U	U	U	U	U	U	U	10	5 ST
Benzene	U	U	U	U	U	U	U	U	10	0.7 ST
Trans-1,3-Dichloropropene	U	U	U	U	U	U	U	U	10	5 ST
Bromoform	U	U	U	U	U	U	U	U	10	50 GV
4-Methyl-2-Pentanone	U	U	U	U	U	U	U	U	10	----
2-Hexanone	U	U	U	U	U	U	U	U	10	50 GV
Tetrachloroethene	1 J	**510 D**	U	U	5 J	**61**	U	U	10	5 ST
1,1,2,2-Tetrachloroethane	U	U	U	U	U	U	U	U	10	5 ST
Toluene	U	U	U	U	U	U	U	U	10	5 ST
Chlorobenzene	U	U	U	U	U	U	U	U	10	5 ST
Ethylbenzene	U	U	U	U	U	U	U	U	10	5 ST
Styrene	U	U	U	U	U	U	U	U	10	5 ST
Total Xylenes	U	U	U	U	U	U	U	U	10	5 ST*
TOTAL VOCs	1	790	0	0	8	78	0	0		

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect due to validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the detection limit
J*: Result qualified as estimated based on validation criteria
D: Result taken from re-analysis at a 1:5 dilution

NOTES
GV: Guidance Value
ST: Standard
bold: value exceeds standard/guideline
----: not established
*: Applies to each isomer individually

TABLE 10
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SECOND ROUND - GROUNDWATER SAMPLING RESULTS
INORGANIC CONSTITUENTS

SAMPLE IDENTIFICATION	MW-1S	MW-1D	MW-2S	MW-2D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	3/24/97	3/24/97	3/24/97	3/24/97		
DILUTION FACTOR	1	1	1	1		
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Iron	**4370**	**482**	**485**	269	37	300 ST *
Manganese	**5990**	**647**	213	53.4	10	300 ST *

SAMPLE IDENTIFICATION	MW-3S	MW-3D	MW-4S	MW-4D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	3/24/97	3/24/97	3/25/97	3/25/97		
DILUTION FACTOR	1	1	1	1		
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Iron	**3570**	U	**2220**	**1180**	37	300 ST *
Manganese	**459**	**524**	271	111	10	300 ST *

SAMPLE IDENTIFICATION	MW-5S	MW-6	MW-7S	MW-7D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	3/24/97	3/24/97	3/25/97	3/25/97		
DILUTION FACTOR	1	1	1	1		
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Iron	**2430**	**1270**	**1490**	**733**	37	300 ST *
Manganese	**407**	**541**	122	33.6	10	300 ST *

SAMPLE IDENTIFICATION	MW-8S	MW-8D	MW-9S	MW-9D	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC CLASS GA GROUNDWATER STANDARD/GUIDELINE
DATE OF COLLECTION	3/24/97	3/24/97	3/24/97	3/24/97		
DILUTION FACTOR	1	1	1	1		
INORGANIC CONSTITUENTS	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
Iron	**960**	**449**	**2160**	**4320**	37	300 ST *
Manganese	**2070**	**350**	**380**	176	10	300 ST *

Notes:
[ ]: value exceeds standard/guideline
*: The combined standard for iron and manganese is 500 ug/l

TABLE 11
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SURFACE WATER SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SW-1	CONTRACT REQUIRED
DATE OF COLLECTION	3/25/97	DETECTION
DILUTION FACTOR	1	LIMIT
VOLATILE ORGANICS	(ug/l)	(ug/l)
Chloromethane	U	10
Bromomethane	U	10
Vinyl Chloride	U	10
Chloroethane	U	10
Methylene Chloride	U	10
Acetone	U	10
Carbon Disulfide	U	10
1,1-Dichloroethene	U	10
1,1-Dichloroethane	U	10
1,2-Dichloroethene (total)	U	10
Chloroform	U	10
1,2-Dichloroethane	U	10
2-Butanone	U	10
1,1,1-Trichloroethane	U	10
Carbon Tetrachloride	U	10
Bromodichloromethane	U	10
1,2-Dichloropropane	U	10
cis-1,3-Dichloropropene	U	10
Trichloroethene	U	10
Dibromochloromethane	U	10
1,1,2-Trichloroethane	U	10
Benzene	U	10
Trans-1,3-Dichloropropene	U	10
Bromoform	U	10
4-Methyl-2-Pentanone	U	10
2-Hexanone	U	10
Tetrachloroethene	J	10
1,1,2,2-Tetrachloroethane	U	10
Toluene	U	10
Chlorobenzene	U	10
Ethylbenzene	U	10
Styrene	U	10
Total Xylenes	U	10
TOTAL VOCs	0	

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect due to validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the detection lim
J*: Result qualified as estimated based on validation criteria

TABLE 12
LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION/FEASIBILITY STUDY
SEDIMENT SAMPLING RESULTS
VOLATILE ORGANICS

SAMPLE IDENTIFICATION	SD-1	SD-2	SD-3	CONTRACT REQUIRED DETECTION LIMIT	NYSDEC RECOMMENDED SOIL CLEANUP OBJECTIVES*
DATE OF COLLECTION	3/25/97	3/25/97	3/25/97		
DILUTION FACTOR	1	1	1		
VOLATILE ORGANICS	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)	(ug/kg)
Chloromethane	U	U	U	10	----
Bromomethane	U	U	U	10	----
Vinyl Chloride	U	U	U	10	200
Chloroethane	U	U	U	10	1900
Methylene Chloride	11 JB	2 J	5	10	100
Acetone	U	38	U	10	200
Carbon Disulfide	U	U	U	10	2700
1,1-Dichloroethene	U	U	U	10	400
1,1-Dichloroethane	U	U	U	10	200
1,2-Dichloroethene (total)	U	U	U	10	300
Chloroform	U	U	U	10	300
1,2-Dichloroethane	U	U	U	10	100
2-Butanone	U	U	U	10	300
1,1,1-Trichloroethane	U	U	U	10	800
Carbon Tetrachloride	U	U	U	10	600
Bromodichloromethane	U	U	U	10	----
1,2-Dichloropropane	U	U	U	10	----
cis-1,3-Dichloropropene	U	U	U	10	----
Trichloroethene	J	J	J	10	700
Dibromochloromethane	U	U	U	10	----
1,1,2-Trichloroethane	U	U	U	10	----
Benzene	U	U	U	10	60
Trans-1,3-Dichloropropene	U	U	U	10	----
Bromoform	U	U	U	10	----
4-Methyl-2-Pentanone	U	U	U	10	1000
2-Hexanone	U	U	U	10	----
Tetrachloroethene	U	U	17	10	1400
1,1,2,2-Tetrachloroethane	U	U	U	10	600
Toluene	U	U	U	10	1500
Chlorobenzene	U	U	U	10	1700
Ethylbenzene	U	U	U	10	5500
Styrene	U	U	U	10	----
Total Xylenes	U	U	U	10	1200
TOTAL VOCs	11	40	22		10000

QUALIFIERS
U: Compound analyzed for but not detected
U*: Result qualified as non-detect due to validation criteria
B: Compound found in the blank as well as the sample
J: Compound found at concentration below the detection limit
J*: Result qualified as estimated based on validation criteria

APPENDIX I - 1

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
COST SUMMARY

ALTERNATIVE 1 - No Action

Item	Unit Cost	Quantity	Cost	Notes
I. CAPITAL COSTS				
Total Capital Costs			**$0**	Monitoring wells and carbon systems already installed
II. OPERATION AND MAINTENANCE COST				
Annual O&M on 3 whole house system	$1,000 /syst	3	$3,000	Based on DEC records for existing systems
O&M Present worth (5% interest for 30 years)			**$46,117**	
III. MONITORING COSTS				
A. Individual Water Supply System Sampling and Reporting				
Analyses	$150 ea	6	900	3 samples, twice a year
Labor	$60 /hr	16	960	8 hrs, twice /year, concurrent with gw sampling
Reporting	$60 /hr	8	480	
		Subtotal (per year)	2340	
B. Groundwater Sampling - Quarterly for 5 years				
Analyses	$150 ea	16	2400	VOCs only on 14 monitoring wells and 2private water supply samples
Labor	$60 /hr	20	1200	
Reporting	$60 /hr	8	480	
		Subtotal (per quarter)	$4,080	
		Annual Monitoring Cost	$18,660	
Monitoring cost present worth (5% int. for 5 years)			**$80,788**	
C. Groundwater Sampling - Semi-annually for 25 years				
Analyses	$150 ea	16	2400	VOCs only on 14 monitoring wells and 2private water supply samples
Labor	$60 /hr	20	1200	
Reporting	$60 /hr	8	480	
		Subtotal (per event)	$4,080	
		Annual Monitoring Cost	$10,500	
Monitoring cost present worth (5% int. for 25 years)			**$147,986**	

Grand Total (Capital Cost + O&M + Monitoring)	**$274,892**

APPENDIX I - 2a

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
COST SUMMARY

ALTERNATIVE 2 - Waste Water Disposal System Clean-out and Groundwater Extraction and Treatment (Carbon Filtration)

Item	Unit Cost	Quantity	Cost	Notes
I. CAPITAL COSTS				
A. Septic System Pump Out				
Vacuum 2 tanks + dissipater (5,000 gallon	1500 ls	1	1500	
Pressure wash/steam clean tanks	3500 ls	1	3500	
Disposal of sediment - incinerate 20 drums	5500 ls	1	5500	Assume sediment requires haz waste incineration
Sampling and analyses of liquid after clean out				
Analyses	150 ea.	2	300	
Labor	60 hr	4	240	
		Subtotal	11,040	
B. Extraction well and treatment system				
Mobilization and demobilization	2000 ea		0	
Site Preparation	60 /hr		0	
Install extraction well	100 /ft		0	
Pump system- installed	2000 ea		0	
Piping from well to treatment	30 /ft		0	
Piping to storm sewer	50 /ft	300	15000	Use hoe-ram to break rock
Pre-fab building	500 ea		0	
Install building	50 /hr		0	
Carbon system containers	600 ea	2	1200	
Electric service, controls and instruments	2000 ea	1	2000	Flow regulation controls
		Subtotal	18200	
		Contractor Overhead & Profit @ 15%	2730	
		Construction Subtotal	20,930	
Engineering, health and safety, and construction inspection			2000	
Contingencies @ 15%			3140	
		Extraction well and treatment subtotal	26070	
Total Capital Costs			**$37,110**	
II. OPERATION AND MAINTENANCE COST				
Pump and Treatment System labor	60 /hr	32	1920	8hrs per quarter
Electricity	150 /mo	12	1800	Provided by LaRussell
Carbon regeneration/replacement	600 /ea	8	4800	change C every 90 days on 2 systems
		Annual O&M Cost	8520	
O&M present worth (5% interest for 10 years)			**$65,789**	

APPENDIX I - 2a (continued)

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
COST SUMMARY

ALTERNATIVE 2 - Waste Water Disposal System Clean-out and Groundwater Extraction and Treatment (Carbon Filtration)

III. MONITORING COSTS

A. Stormwater discharge water sampling and reporting

Analyses	150 ea	1	150	1 sample per month for VOCs
Labor	60 /hr	8	480	8 hrs/event
Reporting	60 /hr	2.5	150	
	Subtotal (per event)		$780	

B. Groundwater Sampling (includes monitoring well and private well water sampling)

Analyses	150 ea	8	1200	VOCs only on 6 monitoring wells and 2 private water supply samples
Labor	60 /hr	20	1200	
Reporting	60 /hr	8	480	
	Subtotal (per event)		$2,880	
Annual Monitoring Cost (12 stormwater and 4 gw events per yr.)			$20,880	
Monitoring cost present worth (5% int. for 10 years)			**$161,230**	

V. POST REMEDIATION MONITORING

A. Groundwater Sampling (includes monitoring well and private well water sampling)

Analyses	150 ea	8	1200
Labor	60 /hr	20	1200
Reporting	60 /hr	8	480
	Subtotal (per event)		$2,880
Annual Monitoring Cost (2 gw events per yr.)			$5,760
Monitoring cost present worth (5% int. for 5 years)			**$24,938**

Grand Total (Capital Cost + O&M + Monitoring)	**$289,066**

APPENDIX I - 2b

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
COST SUMMARY

ALTERNATIVE 2 - Waste Water Disposal System Clean-out and Groundwater Extraction and Treatment (Shallow Tray Air Stripper)

Item	Unit Cost	Quantity	Cost	Notes
I. CAPITAL COSTS				
A. Septic System Pump Out				
Vacuum 2 tanks + dissipater (5,000 gallon	1500 ls	1	1500	
Pressure wash/steam clean tanks	3500 ls	1	3500	
Disposal of sediment - incinerate 20 drums	5500 ls	1	5500	Assume sediment requires haz waste incineration
Sampling and analyses of liquid after clean out				
Analyses	150 ea.	2	300	
Labor	60 hr	4	240	
		Subtotal	11,040	
B. Extraction well and treatment system				
Mobilization and demobilization	2000 ea	1	2000	
Site Preparation	60 /hr	16	960	
Install extraction well	100 /ft	60	6000	
Pump system- installed	2000 ea	1	2000	
Piping from well to treatment	30 /ft	100	3000	Use hoe-ram to break rock
Piping to storm sewer	50 /ft	300	15000	
Pre-fab building	500 ea	1	500	
Install building	50 /hr	8	400	
Shallow tray system	7500 ea	1	7500	Shallow tray model 1331-P from NEEP Systems
Electric service, controls and instruments	3000 ea	1	3000	
		Subtotal	40360	
		Contractor Overhead & Profit @ 15%	6054	
		Construction Subtotal	46,414	
Engineering, health and safety, and construction inspection			25000	
Contingencies @ 15%			6962	
		Extraction well and treatment subtotal	78376	
Total Capital Costs			**$89,416**	
II. OPERATION AND MAINTENANCE COST				
Air stripper system labor	60 /hr	416	24960	8 hrs per week, 52 weeks
Electricity	150 /mo	12	1800	Provided by LaRussell
Miscellaneous	1000 /ea	1	1000	
		Annual O&M Cost	27760	
O&M present worth (5% interest for 10 years)			**$214,355**	

APPENDIX I - 2b (continued)

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
COST SUMMARY

ALTERNATIVE 2 - Waste Water Disposal System Clean-out and Groundwater Extraction and Treatment (Shallow Tray Air Stripper)

III. MONITORING COSTS

A. Stormwater discharge water sampling and reporting

Analyses	150 ea	1	150	1 sample per month for VOCs
Labor	60 /hr	8	480	8 hrs/event
Reporting	60 /hr	2.5	150	
	Subtotal (per event)		$780	

B. Groundwater Sampling (includes monitoring well and private well water sampling)

Analyses	150 ea	8	1200	VOCs only on 6 monitoring wells and 2 private water supply
Labor	60 /hr	20	1200	
Reporting	60 /hr	8	480	
	Subtotal (per event)		$2,880	
Annual Monitoring Cost (12 stormwater and 4 gw events per yr.)			$20,880	
Monitoring cost present worth (5% int. for 10 years)			**$161,230**	

IV. POST REMEDIATION MONITORING

A. Groundwater Sampling (includes monitoring well and private well water sampling)

Analyses	150 ea	8	1200
Labor	60 /hr	20	1200
Reporting	60 /hr	8	480
	Subtotal (per event)		$2,880
Annual Monitoring Cost (2 gw events per yr.)			$5,760
Monitoring cost present worth (5% int. for 5 years)			**$24,938**

Grand Total (Capital Cost + O&M + Monitoring)	**$489,939**

APPENDIX I - 3

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
COST SUMMARY

ALTERNATIVE 3 - Waste Water Disposal System Clean-out and Individual Water Supply Treatment Systems

Item	Unit Cost	Quantity	Cost	Notes
I. CAPITAL COSTS				
A. Septic System Pump Out				
Vacuum 2 tanks + dissipater (5,000 gallo	1500 ls	1	1500	
Pressure wash/steam clean tanks	3500 ls	1	3500	
Disposal of sediment - incinerate 20 drun	5500 ls	1	5500	assume sediment requires haz waste incineration
Sampling and analyses of liquid after clean out				
Analyses	150 ea.	2	300	
Labor	60 hr	4	240	
Septic System Pump Out Subtotal			11,040	
B. Individual Water Supply Treatment Systems				
Mobilization/demobilization	500	3	1500	
Site Preparation	60 /hr	16	960	
Install Individual Systems	1500 ea	3	4500	
Subtotal			6960	
Contractor Overhead & Profit @ 15%			1044	
Construction Subtotal			8004	
Contingencies @ 15%			1201	
Individual Watere Supply System Subtotal			9205	
Total Capital Costs			**$20,245**	
II. OPERATION AND MAINTENANCE COST				
Annual O&M Cost on 3 systems	1000 /syst	3	3000	
O&M Present Worth (5% int for 30 years)			**$46,117**	

APPENDIX I - 3 (continued)

LARUSSELL'S CLEANERS SITE
REMEDIAL INVESTIGATION AND FEASIBILITY STUDY
COST SUMMARY

ALTERNATIVE 3 - Waste Water Disposal System Clean-out and Individual Water Supply Treatment Systems

III. MONITORING COSTS

A. Individual Water Supply System Sampling and Reporting

Analyses	150 ea	6	900	3 samples, twice a year
Labor	60 /hr	16	960	with gw sampling
Reporting	60 /hr	8	480	
	Subtotal (per year)		2340	

B. Groundwater Sampling (includes monitoring well and tap water sampling)

Analyses	150 ea	8	1200	VOCs only on 6 monitoring wells and 2 tap water samples
Labor	60 /hr	20	1200	
Reporting	60 /hr	8	480	
	Subtotal (per quarter)		$2,880	
Annual Monitoring Cost (4 events per yr.)			$13,860	
Monitoring cost present worth (5% int. for 5 years)			**$60,007**	

C. Groundwater Sampling - Semi-annually for 25 years

Analyses	$150 ea	8	1200	VOCs only on 6 monitoring wells and 2private water supply samples
Labor	$60 /hr	20	1200	
Reporting	$60 /hr	8	480	
	Subtotal (per event)		$2,880	
	Annual Monitoring Cost		$8,100	
Monitoring cost present worth (5% int. for 25 years)			**$114,161**	

Grand Total (Capital Cost + O&M + Monitoring)	**$240,529**