

RECEIVED
MAY 26
OFFICE OF THE ATTORNEY GENERAL

APPENDIX A
PROBE LOGS

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-1

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996/1 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: West of Casey's Systems office Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
1	Macro-Core	4.0		5.0	FILL		Black asphalt gravel, black silty sand, turning to brown silty sand and gravel. No odor, DRY.		GP-1 (4-5) VOCs + Metals	
2							3.0	Tan, medium grained silty sand. Moist silt layer from 4.4 to 5.2 ft - silt is tight, some peat, no odor or discoloration, Medium grained sand and gravel to end.		
3										
4										
5	Largebore	2.0		6.0		Tan, medium grained sand and gravel. Layer of silt from 11.0 to 11.3 ft, damp. Medium grained sand and gravel to 12.0 ft. No odor, DRY.		GP-1 (10-12) TCL VOCs + RCRA Metals		
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22	Largebore	2.0		2.0		Tan, medium grained sand and coarse gravel. No odor, DRY.		GP-1 (22-24) VOCs + Metals		
23										
24										

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-1

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996/1 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: West of Casey's Systems office Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
							some = 20-35%	m = medium	
							little = 10-20%	c = coarse	
							trace = 0-10%		
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0		1.0					GP-1 (34-36) VOCs + Metals
35							Tan, medium grained sand, some gravel. No odor, DRY.		
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0		1.0					GP-1 (44-46) VOCs + Metals
45							Tan, medium grained sand, some gravel. No odor, DRY.		
46									
47									Water Sample: GP-1GW (66-70) Vocs + Metals
48									EOB at 46 ft.

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-2

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 1 July 1996/2 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: ~20 W of Sam Ash office entrance Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		2.0			0.0-0.5 Asphalt gravel. Tan-brown sand and coarse gravel to 3.8 ft. Brown, tight silt to 4.0 ft. No odor, DRY.		
2									
3									
4									
5	Largebore	2.0		5.0			Tan-orange, medium grained sand and coarse gravel. Tight silt layer present from 6.0 to 6.5 ft, moist. Medium grained sand and gravel to end. No odor, DRY.	GP-2 (4-8) VOCs + Metals	
6									
7									
8	Largebore	2.0		5.0			Sample liner stuck in large-bore, had to knock sample out. Tan-orange, medium grained sand and coarse gravel. Some silt at 11.0 ft. No odor, DRY	GP-2 (10-12) TCL VOCs + RCRA Metals	
9									
10	Largebore	2.0					Medium-coarse grained sand and medium gravel. No odor, DRY.	GP-2 (22-24) VOCs + Metals	
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-2

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 1 July 1996/2 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: ~20 W of Sam Ash office entrance Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46




DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	PTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
							some = 20-35%	m = medium	
							little = 10-20%	c = coarse	
							trace = 0-10%		
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0							
35						Coarse to very coarse grained sand and gravel. Some medium grained sand. No odor, DRY.	GP-2 (34-36) VOCs + Metals		
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0							
45						Medium to coarse grained sand and gravel. No odor, DRY.	GP-2 (44-46) VOCs + Metals		
46									
47								Water Sample: GP-2GW (66-70) TCL VOCs + TAL Metals	
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-3

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 2 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Between former sanitary pool locations Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46



DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0			FILL		0.0-3.0 ft Black silty topsoil, some large gravel.	m = medium	GP-3 (4-8) VOCs + Metals
2							3.0-4.0 ft Tan, tight silt. No odor, DRY.	c = coarse	
3									
4									
5	Largebore	2.0					Tan-brown, coarse-medium grained sand and gravel. Silt lens present from 5.0 to 5.3 ft. Medium grained sand to 8.0 ft. No odor, DRY.		GP-3 (10-12) TCL VOCs + RCRA Metals
6									
7									
8									
9									
10									
11									
12									
13	Largebore	2.0					Sample liner stuck in large-bore, had to knock sample out. Tan coarse-medium grained sand and gravel. No odor, DRY.		GP-3 (22-24) VOCs + Metals
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-3

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 2 July 1996
 NYSDEC Site I.D. I30027 Surface Elevation: _____
 Boring Location: Between former sanitary pool locations Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0		3.0					GP-3 (34-36) VOCs + Metals
35									
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0							GP-3 (44-46) VOCs + Metals
45									
46									
47									Water Sample: GP-3GW (66-70) VOCs + Metals
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-4

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 2 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: NE corner of Casey's Systems loading docks Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0			FILL		0.0-3.2 ft Black topsoil.		
2							3.2-3.5 ft Weathered concrete gravel.		
3							3.5-4.0 ft Black topsoil and wood fragments - possible rail ties, creosote odor. DRY.		
4									
5	Largebore	2.0					Black silty topsoil and coarse gravel- possible rail bed gravel.		GP-4 (4-8) TCL VOCs + RCRA Metals
6							Green staining present to 5.0 ft. Tan-orange medium grained sand and coarse gravel to 8 ft. No odor, DRY.		
7									
8									
9	Largebore	2.0					Tan coarse grained sand and gravel. No odor, DRY.		GP-4 (10-12) VOCs + Metals
10									
11									
12									
13	Largebore	2.0					Tan, coarse grained sand and gravel. No odor, DRY.		GP-4 (22-24) VOCs + Metals
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-4

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 2 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: NE corner of Casey's Systems loading docks Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (ft)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
							some = 20-35%	m = medium		
							little = 10-20%	c = coarse		
							trace = 0-10%			
25										
26										
27										
28										
29										
30										
31										
32										
33										
34	Largebore	2.0		1.0					GP-4 (34-36) VOCs + Metals	
35										0.7
36										
37										
38										
39										
40										
41										
42										
43										
44	Largebore	2.0		1.0					GP-4 (44-46) VOCs + Metals	
45										1.0
46										
47						EOB at 46 ft			Water Sample: GP-4GW (66-70) VOCs + Metals	
48										

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-5

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 8 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: NE corner of Sam Ash Loading Docks Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46



DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0			FILL		0.0-3.0 ft Dark brown silty sand and gravel.	m = medium	GP-5 (0-4) TCL VOCs + RCRA Metals
2							3.0-4.0 ft Tan-orange medium grained sand and gravel.	c = coarse	
3							No odor, DRY.		
4									
5	Largebore	2.0		4.0			Tan-orange medium grained sand and coarse to very coarse gravel. No odor, DRY.		GP-5 (10-12) VOCs + Metals
6									
7									
8									
9									
10									
11									
12									
13	Largebore	2.0		5.0			10-11 ft Tan medium grained sand and gravel.		GP-5 (22-24) VOCs + Metals
14							11-12 ft Tan-orange medium-coarse grained sand and gravel.		
15							No odor, DRY.		
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-5

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 8 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: NE corner of Sam Ash Loading Docks Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
							some = 20-35%	m = medium	
							little = 10-20%	c = coarse	
							trace = 0-10%		
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0		3.0			34.0-35.0 ft Light tan, medium grained sand, trace gravel.		GP-5 (34-36) VOCs + Metals
35							35.0-36.0 ft Tan-orange medium-coarse grained sand and gravel.		
36							No odor, DRY.		
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0		1.0			Tan-orange, medium grained sand, and gravel. No odor, DRY.		GP-5 (44-46) VOCs + Metals
45									
46									
47							EOB at 46 ft		Water Sample: GP-5GW (66-70) VOCs + Metals
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-6

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 8 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: North of Managed Care loading dock Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

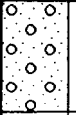
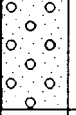
DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		1.0	FILL		0.0-3.0 ft Asphalt gravel; dark brown silty topsoil and gravel. 3.0-4.0 ft Tan-orange, medium grained sand and gravel. No odor, DRY.	m = medium c = coarse	GP-6 (0-4) TCL VOCs + RCRA Metals
2				2.0					
3				1.0					
4				1.0					
5	Largebore	2.0		1.0		Tan-orange, coarse-medium grained sand and gravel. No odor, DRY.			
6				0.2					
7				0.4					
8				1.0					
9	Largebore	2.0		4.0		Tan-orange, coarse-very coarse grained sand and gravel. No odor, DRY.		GP-6 (10-12) VOCs + Metals	
10				1.0					
11									
12									
13	Largebore	2.0		1.0		Tan-orange, medium-coarse grained sand and gravel. No odor, DRY.		GP-6 (22-24) VOCs + Metals	
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24				BKGD					

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-6

Site Location: <u>Hicksville, NY</u>	Drilling Co.: <u>Zebra Environmental</u>
Job Number: <u>698-001</u>	Drilling Method: <u>Geoprobe</u>
Client: <u>Surrey Company</u>	Date Begin/End: <u>8 July 1996</u>
NYSDEC Site I.D. <u>130027</u>	Surface Elevation: _____
Boring Location: <u>North of Managed Care loading dock</u>	Depth to Water: _____
Geologist: <u>Jennifer Morse</u>	Total Depth: <u>46</u>

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
							some = 20-35%	m = medium	
							little = 10-20%	c = coarse	
							trace = 0-10%		
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0		1.0	BKGD		34.0-34.5 ft Light tan, medium grained sand.		GP-6 (34-36) VOCs + Metals
35							34.5-35.0 ft Very coarse grained sand and gravel.		
36							35.0-36.0 ft Tan-orange, medium-coarse grained sand and gravel. No odor, DRY.		
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0		3.0			Tan-orange, medium grained sand, trace coarse sand, trace gravel. No odor, DRY.		GP-6 (44-46) VOCs + Metals
45									
46							EOB at 46 ft		Water Sample: GP-6GW (66-70) VOCs + Metals
47									
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-7

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 8 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: NW corner of Sam Ash loading docks Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (ft)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		5.0	FILL		Dark brown silty topsoil, some gravel. No odor, DRY.		GP-7 (0-4) TCL VOCs + RCRA Metals
2				3.0					
3				5.0					
4				5.0					
5	Largebore	2.0		5.0			Tan, coarse grained sand and gravel. No odor, DRY.		
6				2.0					
7				1.0					
8									
9									
10				3.0			Tan-orange medium grained sand, lens of coarse gravel at 11.8 ft. No odor, DRY.		GP-7 (10-12) VOCs + Metals
11			1.0						
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-7

Site Location: <u>Hicksville, NY</u>	Drilling Co.: <u>Zebra Environmental</u>
Job Number: <u>698-001</u>	Drilling Method: <u>Geoprobe</u>
Client: <u>Surrey Company</u>	Date Begin/End: <u>8 July 1996</u>
NYSDEC Site I.D. <u>130027</u>	Surface Elevation: _____
Boring Location: <u>NW corner of Sam Ash loading docks</u>	Depth to Water: _____
Geologist: <u>Jennifer Morse</u>	Total Depth: <u>48</u>






DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
							some = 20-35%	m = medium	
							little = 10-20%	c = coarse	
							trace = 0-10%		
25	Largebore	2.0		1.0		○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Tan-orange, medium-coarse grained sand and gravel. No odor, DRY.		GP-7 (24-26) VOCs + Metals
26							1.0		
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0		3.0		○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Tan-orange medium-coarse grained sand, some coarse gravel. No odor, DRY.		GP-7 (34-36) VOCs + Metals
35							1.0		
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0		1.0		○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	Tan-orange, medium-coarse grained sand, some gravel. No odor, DRY.		GP-7 (44-46) VOCs + Metals
45							1.0		
46							EOB at 46 ft		Water Sample: GP-7GW (66-70) VOCs + Metals
47									
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-8

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 9 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: NE of GSD loading dock Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

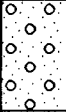
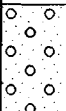
DEPTH (ft)	SAMPLER TYPE	RECOVERY (ft)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS		
							and = 30-50%	f = fine			
1	Macro-Core	4.0		5.0	FILL		0.0-3.8 ft Asphalt gravel, brown silty topsoil.	m = medium			
2										2.0	3.8-4.0 ft Tan-orange sand and gravel. No odor, DRY.
3											
4											
5	1.0		Tan-orange coarse grained sand and gravel. No odor, DRY.	GP-8 (4-8) TCL VOCs + RCRA Metals							
6					3.0						
7						2.0					
8											
9											
10				2.0			Tan-orange coarse-very coarse grained sand and gravel. Some medium grained sand. No odor, DRY.	GP-8 (10-12) VOCs + Metals			
11						1.0					
12									3.0		
13											
14											
15											
16											
17											
18	2.0	1.0		22.0-23.5 ft Tan medium grained sand.	GP-8 (22-24) VOCs + Metals						
19						1.0	23.5-24.0 ft Tan-orange coarse grained gravelly sand. No odor, DRY.				
20											
21											
22											
23	Largebore	2.0		1.0			23.5-24.0 ft Tan-orange coarse grained gravelly sand. No odor, DRY.				
24											

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-8

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 9 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: NE of GSD loading dock Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
25										
26										
27										
28										
29										
30										
31										
32										
33										
34	Largebore	2.0		3.0			Tan-orange, coarse-very coarse grained gravelly sand. Some medium grained sand. No odor, DRY.		GP-8 (34-36) VOCs + Metals	
35										2.0
36										
37										
38										
39										
40										
41										
42										
43										
44	Largebore	2.0		6.0			Tan, medium grained sand, trace fine gravel. No odor, DRY.		GP-8 (44-46) VOCs + Metals	
45										
46										BKGD
47							EOB at 46 ft		Water Sample: GP-8GW (66-70) TCL VOCs + TAL Metals	
48										

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-9

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 9 July 1996/10 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: _____ Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		3.0	FILL		0.0-2.0 ft Dark brown silty topsoil, large gravel.	m = medium	GP-9 (0-4) TCL VOCs + RCRA Metals
2				2.0			2.0-4.0 ft Tan, medium-coarse grained sand and gravel.	c = coarse	
3				2.0			No Odor, DRY.		
4				1.0					
5	Largebore	2.0		2.0			Tan-orange medium-coarse grained sand. Large lithic fragments at 5.0 ft and 8.0 ft. No odor, DRY.		GP-9 (12-14) VOCs + Metals
6				3.0					
7				2.0					
8				1.0					
9	Largebore	2.0		1.0			Tan-orange, coarse grained sand and gravel. No odor, DRY.		GP-9 (22-24) VOCs + Metals
10				1.0					
11				1.0					
12				0.5					
13	Largebore	2.0		0.5			Tan-orange, coarse grained sand and gravel. No odor, DRY.		GP-9 (22-24) VOCs + Metals
14				0.5					
15				0.5					
16				0.5					

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-9

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 9 July 1996/10 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: _____ Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
25										
26										
27										
28										
29										
30										
31										
32										
33										
34	Largebore	2.0		3.0			Tan-orange, coarse grained gravelly sand. No odor, DRY.		GP-9 (34-36) VOCs + Metals	
35										1.0
36										
37										
38										
39										
40										
41										
42										
43										
44	Largebore	2.0		2.0			Tan, medium grained sand, some coarse grained sand, some gravel. No odor, DRY.		GP-9 (44-46) VOCs + Metals	
45										0.2
46										
47							EOB at 46 ft		Water Sample: GP-9GW (66-70) VOCs + Metals	
48										

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-10

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 898-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 10 July 1998
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: In alley North of Casey's Systems Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		5.0	FILL		Black-dark brown silty topsoil and gravel, clay at 3.8 ft.		GP-10 (0-4) VOCs + Metals
2			11.0	No odor, DRY.					
3			7.0						
4			7.0						
5	Macro-Core	4.0		5.0		4.0-6.0 ft Black silty topsoil. No odor, DRY.		GP-10 (4-8) TCL VOCs + RCRA Metals	
6			5.0	6.0-8.0 ft Tan, medium-coarse grained sand, some large gravel.					
7			3.0	No odor, DRY.					
8	Macro-Core	2.0		2.0		Tan, coarse-very coarse grained sand and gravel. No odor, DRY.		GP-10 (11-12) VOCs + Metals	
11			2.0						
12			3.0						
13	Macro-Core	2.0		13.0		Tan, medium grained sand, some coarse sand, some gravel.		GP-10 (22-24) VOCs + Metals	
22			3.0	No odor, DRY.					
23			3.0						
24	Largebore								

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-10

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 898-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 10 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: In alley North of Casey's Systems Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0		8.0			and = 30-50% some = 20-35% little = 10-20% trace = 0-10%	f = fine m = medium c = coarse	GP-10 (34-36) VOCs + Metals
35									
36			8.0						
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0		18.0			and = 30-50% some = 20-35% little = 10-20% trace = 0-10%	f = fine m = medium c = coarse	GP-10 (44-46) VOCs + Metals
45									
46			10.0						
47									Water Sample: GP-10GW (66-70) VOCs + Metals
48									EOB at 46 ft

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-11

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 11 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: _____ Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
1	Macro-Core	4.0		2.0			0.0-2.0 ft Black, silty, medium grained sand, some gravel.	m = medium	GP-11 (0-4) TCL VOCs + RCRA Metals	
2				10.0						2.0-4.0 ft Tan coarse-very coarse grained sand and gravel.
3				3.0						
4				3.0						
5	Largebore	2.0		8.0			4.0-4.6 ft Tan, coarse grained sand and gravel.	c = coarse	GP-11 (4-8) VOCs + Metals	
6				3.0						4.6-5.0 ft Black, medium-coarse grained sand.
7				2.0						
8										
9										
10				10.0						
11				8.0			Liner stuck in large bore, had to knock sample out.		GP-11 (10-12) VOCs + Metals	
12							Tan-orange, medium-coarse grained sand and gravel. No odor, DRY.			
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-11

Site Location: <u>Hicksville, NY</u>	Drilling Co.: <u>Zebra Environmental</u>
Job Number: <u>698-001</u>	Drilling Method: <u>Geoprobe</u>
Client: <u>Surrey Company</u>	Date Begin/End: <u>11 July 1996</u>
NYSDEC Site I.D. <u>130027</u>	Surface Elevation: _____
Boring Location: _____	Depth to Water: _____
Geologist: <u>Jennifer Morse</u>	Total Depth: <u>46</u>

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
25	Largebore	2.0		7.0		○ ○ ○ ○ ○ ○ ○ ○	Tan-orange, coarse grained sand and gravel, some medium sand. No odor, DRY.		GP-11 (24-26) VOCs + Metals
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	2.0		1.0		○ ○ ○ ○ ○ ○ ○ ○	Tan-orange, coarse-very coarse grained sand and gravel, some medium grained sand. No odor, DRY.		GP-11 (34-36) VOCs + Metals
35									
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0		1.0		○ ○ ○ ○ ○ ○ ○ ○	Tan, medium grained sand, some coarse grained sand, some gravel. No odor, DRY.		GP-11 (44-46) VOCs + Metals
45									
46									
47							EOB at 46 ft		Water Sample: GP-11GW (66-70) VOCs + Metals
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-12

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 11 July 1998
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of 272 Duffy Avenue Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

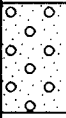

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		10.0	FILL		0.0-1.0 ft Black silty soil and gravel.	f = fine m = medium c = coarse	GP-12 (0-4) VOCs + Metals
2				20.0			1.0-1.4 ft Brown silty soil and gravel.		
3				10.0			1.4-3.8 ft Black silty soil.		
4				10.0			3.8-4.0 ft Orange, coarse grained sand and gravel.		
5	Largebore	2.0		5.0			4.0-5.0 ft Bright orange, medium grained, silty sand and gravel.	GP-12 (10-12) TCL VOCs + RCRA Metals	
6				5.0			5.0-6.0 ft Grey, medium grained silty sand.		
7				5.0			6.0-8.0 ft Light tan, medium grained, silty sand.		
8	Largebore	2.0		10.0			Tan-orange, medium-coarse grained sand and gravel. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
9				5.0					
10	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
11				5.0					
12	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
13				10.0					
14	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
15				10.0					
16	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
17				10.0					
18	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
19				10.0					
20	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
21				10.0					
22	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
23				10.0					
24	Largebore	2.0		10.0			Tan, medium grained sand and gravel, trace very coarse sand at 24 ft. No odor, DRY.	GP-12 (22-24) VOCs + Metals	
25				10.0					

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-12

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 11 July 1998
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of 272 Duffy Avenue Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
25										
26										
27										
28										
29										
30										
31										
32										
33										
34	Largebore	2.0		10.0			Tan-orange, medium-coarse grained sand, some gravel. No odor, DRY.		GP-12 (34-36) VOCs + Metals	
35										4.0
36										
37										
38										
39										
40										
41										
42										
43										
44	Largebore	2.0		10.0			Tan, medium grained sand, some gravel. No odor, DRY.		GP-12 (44-46) VOCs + Metals	
45										5.0
46										
47							E0B at 46 ft		Water Sample: GP-12GW (66-70) VOCs + Metals	
48										

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-13

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 12 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of 270 G Duffy Avenue Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (ft)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		5.0	FILL		0.0-1.0 ft Black, silty soil and large gravel.	m = medium	
2			1.0	1.0-4.0 ft Tan-orange, very coarse grained sand and gravel.			c = coarse		
3			1.0	No odor, DRY.					
4			5.0						
5	Macro-Core	4.0		5.0			4.0-6.0 ft Tan coarse grained sand and gravel. Large lithic fragment at 6.0 ft.		GP-13 (4-8) TCL VOCs + RCRA Metals
6			5.0	6.0-8.0 ft Bright red-orange, coarse grained sand and gravel.					
7			5.0	No odor, DRY.					
8			5.0						
9			5.0	8.0-8.2 ft Tan, medium grained sand and gravel.					
10			1.0	8.2-9.0 ft Black, medium grained, silty sand and gravel.					
11			5.0	9.0-9.3 ft Tan silt with bright orange-red streaks.					
12			5.0	9.3-10.0 ft Bright orange-red, very coarse grained sand and gravel.					
13	Macro-Core	2.0		5.0			10.0-12.0 ft Tan, coarse grained sand and gravel.		GP-13 (8-10) VOCs + Metals
14			5.0	No odor, DRY.					
15									
16									
17	Largebore	2.0		4.0			Tan, medium-coarse grained sand and gravel. Lens of red-orange, very coarse grained sand at 23.6-23.8 ft. No odor, DRY.		GP-13 (22-24) VOCs + Metals
18			2.0						
19			2.0						
20				2.0					
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-13

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 12 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of 270 G Duffy Avenue Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										
36	Largebore	2.0		2.0			and = 30-50% some = 20-35% little = 10-20% trace = 0-10%	f = fine m = medium c = coarse	GP-13 (36-38) VOCs + Metals	
37										2.0
38										2.0
39										
40										
41										
42										
43										
44	Largebore	2.0		0.5			and = 30-50% some = 20-35% little = 10-20% trace = 0-10%	f = fine m = medium c = coarse	GP-13 (44-46) VOCs + Metals	
45										2.0
46										2.0
47									Water Sample: GP-13GW (66-70) TCL VOCs + TAL Metals	
48									EOB at 46 ft	

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: GP-14

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 15 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of 276 Duffy Avenue Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 12

DEPTH (ft)	SAMPLER TYPE	RECOVERY (ft)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS				
							and = 30-50%	f = fine					
1	Macro-Core	4.0			FILL		0.0-3.0 ft Asphalt gravel, dark brown silt and gravel.	m = medium	GP-14 (0-4) VOCs + Metals				
2							3.0-3.2 ft Tan-orange gravelly silt.						
3							3.2-3.8 ft Dark brown silt and gravel.						
4							3.8-4.0 ft Tan orange gravelly silt.	c = coarse					
5		4.0									4.0-4.5 ft Tan-orange silt and gravel.		GP-14 (4-8) TCL VOCs + RCRA Metals + MS/MSD
6											4.5-4.8 ft Bright red-orange, medium grained sand.		
7											4.8-5.0 ft Tan, tight silt		
8											5.0-8.0 ft Tan, medium-coarse grained sand and gravel.		
9		2.0									8.0-8.3 ft Tan-orange silty sand and gravel. Small lens of black, silty sand at 8.3 ft.		GP-14 (8-12) VOCs + Metals
10											8.3-12.0 ft Tan, medium-coarse grained sand and large gravel.		
11											No odor, DRY.		
12													
13							EOB at 12 ft. Refusal at 13 ft.						
14													
15													

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: DGP-1

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 17 July 1996/18 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: _____ Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS			
							and = 30-50%	f = fine				
1	MC	4.0		1.0	FILL		0.0-3.0 ft Dark brown silty topsoil, grass and rootlets.		DGP-1 (0-4) VOCs + Metals			
2				2.0			3.0-4.0 ft Tan silt and gravel.					
3				2.0			No odor, crumbly, DRY.					
4				3.0								
5	LB	2.0							DGP-1 (22-24) TCL VOCs + RCRA Metals			
6												
7												
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
32												
33												
34												
35												
36												
37												
38												
39												
40												
41												
42												
43												
44	LB	2.0		9.0			Tan, coarse-very coarse grained sand and gravel, some medium sand.		DGP-1 (44-46) VOCs + Metals			
45				1.0			No odor, DRY.					
46								EOB at 46 ft				
47												
48												
49												
50												
51												

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: DGP-3

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 22 July 1996/23 July 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: _____ Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

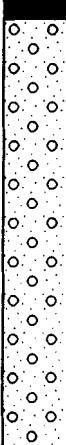
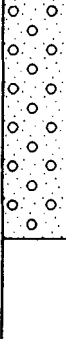

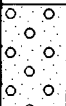
DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	MC	4.0			FILL		0.0-3.6 ft Dark brown silt and gravel.	m = medium	DGP-3 (0-4) TCL VOCs + RCRA Metals + MS/MSD
2							3.6-4.0 ft Light tan, coarse grained sand and gravel.	c = coarse	
3							No odor, DRY.		
4									
5	LB	2.0					Tan-orange, coarse-very coarse grained sand and gravel.		DGP-3 (22-24) VOCs + Metals
6							No odor, DRY.		
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22							LB	2.0	
23	No odor, DRY.								
24									
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44	LB	2.0					Tan, medium grained sand and gravel.		DGP-3 (44-46) VOCs + Metals
45							No odor, DRY.		
46									
47									
48									
49									
50									
51									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-1

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of Catch basin #2 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

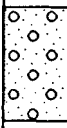
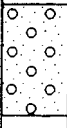
DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0		5.0			0.0-0.5 ft Black asphalt gravel.	m = medium	OCB-1 (4-8) TCL VOCs + RCRA Metals
2				5.0			0.5-4.0 ft Tan-orange, coarse-medium grained sand and gravel.	c = coarse	
3				10.0			No odor, DRY.		
4				5.0					
5	Largebore	2.0		10.5		Tan-grey, coarse-medium grained sand and gravel, some dark staining at 5 - 6 ft. No odor, DRY.			
6				10.0					
7				10.0					
8				10.0					
9									
10				5.0		10.0-10.4 ft Brown silt. WET.		OCB-1 (10-12) VOCs + Metals	
11	6.0	10.4-12.0 ft Tan, coarse-medium grained sand and gravel.							
12						No odor, DRY.			
13									
14									
15									
16									
17									
18									
19									
20									
21									
22	Largebore	2.0		5.0		Tan-orange, medium grained sand and coarse gravel. No odor, DRY.		OCB-1 (22-24) VOCs + Metals	
23				4.0					
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-1

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of Catch basin #2 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	PTD	PTD	UNITED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
25										
26										
27										
28										
29										
30										
31										
32										
33										
34	Largebore	2.0		10.0			Tan-orange, medium grained sand, little gravel. No odor, DRY.		OCB-1 (34-36) VOCs + Metals	
35										10.0
36										
37										
38										
39										
40										
41										
42										
43										
44	Largebore	2.0		7.0			Tan-orange, medium grained sand, some coarse gravel. No odor, DRY.		OCB-1 (44-46) VOCs + Metals	
45										7.0
46										
47							EOB at 46 ft.		Water Sample: OCB-1GW (66-70) Vocs + Metals	
48										

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-3

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #3 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	2.5					0.0-0.8 ft Asphalt, black sand and gravel.		OCB-3 (0-4) VOCs + Metals
2							0.8-2.0 ft Brown, fine-coarse grained sand and fine-coarse gravel.		
3							2.0-2.5 ft Brown, fine-medium grained sandy silt, some medium-coarse gravel.		
4									
5	Macro-Core	3.0					4.0-6.5 ft Light brown, fine-coarse grained sand, some fine-coarse gravel.		OCB-3 (4-8) VOCs + Metals
6							6.5-7.0 ft Brown fine-coarse sandy silt, little fine-medium gravel.		
7									
8	Largebore	1.8	7.0				10.0-10.5 ft Light grey, silty fine grained sand, WET.		OCB-3 (10-12) VOCs + Metals
9							10.5-11.0 ft Light brown, fine-coarse grained sand, some fine-medium gravel.		
10									
11	Largebore	1.5	3.0				Light brown, fine-coarse grained sand, little fine-medium gravel.		OCB-3 (22-24) TCL VOCs + RCRA Metals
12									
13									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-3

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #3 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (ft)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	1.5		8.0			Brown, medium-coarse grained sand, some fine-medium gravel.		OCB-3 (34-36) VOCs + Metals
35									
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	1.0		2.0			Brown, fine-coarse grained sand, little fine gravel.		OCB-3 (44-46) VOCs + Metals
45									
46									
47							EOB at 46 ft.		Water Sample: OCB-3GW (66-70) Vocs + Metals
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-4

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 898-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 25 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #4 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

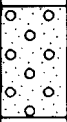
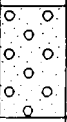
DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	2.5		4.0			0.0-0.25 ft Black asphalt and coarse gravel.		OCB-4 (0-4) VOCs + Metals
2							0.25-2.0 ft Light brown, fine-medium rounded gravel, some fine-coarse sand. MOIST.		
3							2.0-2.5 ft Tan fine-medium gravelly, fine-coarse grained sand, MOIST.		
4									
5	Largebore	3.0		4.0			Light brown, fine-coarse grained sand and fine-medium gravel.		OCB-4 (4-8) VOCs + Metals
6									
7									
8	Largebore	1.5		2.0			10.0-10.2 ft Light brown, fine-coarse grained sand, and fine-medium gravel.		OCB-4 (10-12) VOCs + Metals
9							10.2-10.5 ft Tan, fine-coarse grained sand, trace fine gravel.		
10	Largebore	1.8		0.5			Brown, fine-coarse grained sand, some fine-medium gravel.		OCB-4 (22-24) VOCs + Metals
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-4

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 25 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #4 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
25									
26									
27									
28									
29									
30									
31									
32									
33									
34									
35									
36	Largebore	15		1.0			Light brown, fine-coarse grained sand, some gravel.		OCB-4 (36-38) VOCs + Metals
37									
38									
39									
40									
41									
42									
43									
44	Largebore	15		2.0			Light brown, fine-coarse grained sand, little fine-medium gravel.		OCB-4 (44-46) VOCs + Metals
45									
46							EOB at 46 ft.		Water Sample: OCB-4GW (66-70) Vocs + Metals
47									
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-5

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 25 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #5 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46



DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	3.8		15.0	FILL		0.0-0.8 ft Black asphalt and gravel.		OCB-5 (0-4) VOCs + Metals
2							0.8-3.0 ft Brown silt, little fine-medium sand, trace gravel.		
3							3.0-3.5 ft Brown, fine-coarse sand and fine-coarse gravel.		
4							3.5-3.8 ft Brown silt, little fine grained sand.		
5	Macro-Core	4.0		8.0		4.0-6.2 ft Light brown, fine-coarse grained sand, some fine-medium gravel.		OCB-5 (4-8) VOCs + Metals	
6						6.2-8.0 ft Light brown, fine-medium grained sand, grading into light brown, fine-coarse grained sand, some fine-medium gravel.			
7									
8	Largebore	1.0		3.0		10.0-10.4 ft Brown silt, some fine-coarse grained sand,		OCB-5 (10-12) VOCs + Metals	
9						10.4-11.0 ft Brown, fine-coarse grained sand, some fine-medium gravel.			
10									
11									
12	Largebore	1.5		1.5		Brown, fine-coarse grained sand, some fine-medium gravel.		OCB-5 (22-24) VOCs + Metals	
13									
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-5

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 25 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #5 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	1.7		5.0			Light brown, fine-coarse grained sand, some fine-medium gravel.		OCB-5 (34-36) VOCs + Metals
35									
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	2.0		2.0			Light brown, fine-medium grained sand, trace gravel.		OCB-5 (44-46) VOCs + Metals
45									
46									
47							EOB at 46 ft.		Water Sample: OCB-5GW (66-70) Vocs + Metals
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-6

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 26 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #6 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	3.0		20.0			0.0-0.3 ft Black asphalt and gravel.	m = medium	OCB-6 (0-4) VOCs + Metals
2							0.3-3.0 ft Light brown, fine-coarse grained sand and fine-medium gravel.	c = coarse	
3									
4									
5	Largebore	4.0		20.0			Light brown, fine-coarse grained sand, and fine-medium gravel.		OCB-6 (4-8) TCL VOCs + RCRA Metals
6									
7									
8									
9	Largebore	1.5		6.0			10.0-10.3 ft Silt, fine-coarse grained sand, trace fine gravel.		OCB-6 (10-12) VOCs + Metals
10							10.3-11.5 ft Fine-medium grained sand, little silt, trace gravel.		
11									
12									
13	Largebore	1.0		2.0			Light brown, fine-coarse grained sand, some fine-coarse gravel.		OCB-6 (22-24) VOCs + Metals
14									
15									
16									
17									
18									
19									
20									
21									
22									
23									
24									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-8

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 26 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #6 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	1.0		0.5			Light brown, fine-medium grained sand, trace-little fine gravel.		OCB-8 (34-36) VOCs + Metals
35									
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore	1.0		0.5			Light brown, fine-medium grained sand, some fine-coarse gravel.		OCB-8 (44-46) VOCs + Metals
45									
46									
47							EOB at 46 ft.		Water Sample: OCB-8GW (66-70) Vocs + Metals
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-7

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 27 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #7 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
							some = 20-35%	m = medium	
							little = 10-20%	c = coarse	
							trace = 0-10%		
1	Macro-Core	1.5					Light brown, fine-coarse grained sand and fine gravel.		OCB-7 (0-4) VOCs + Metals
2							4.0-5.3 ft Light brown, fine-coarse grained sand and fine gravel.		
3							5.3-5.5 ft Brown silty, fine-medium grained sand, trace gravel.		
4							Large piece of gravel present at 5.3 ft.		
5	Largebore	0.9	10.0				Sample stuck in large-bore.		OCB-7 (10-12) VOCs + Metals
6							Light brown sand and gravel.		
7									
8									
9	Largebore	2.0	5.0				Light brown, fine-coarse grained sand, some fine-coarse gravel.		OCB-7 (22-24) VOCs + Metals
10									
11									
12									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: OCB-7

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 27 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Downgradient of catch basin #7 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 46

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
							some = 20-35%	m = medium	
							little = 10-20%	c = coarse	
							trace = 0-10%		
25									
26									
27									
28									
29									
30									
31									
32									
33									
34	Largebore	1.5		5.0			Light brown, fine-coarse grained sand, some fine-coarse gravel.		OCB-7 (34-36) VOCs + Metals
35									
36									
37									
38									
39									
40									
41									
42									
43									
44	Largebore						Light brown, fine-medium grained sand, little silt.		OCB-7 (44-46) VOCs + Metals
45									
46									
47							EOB at 46 ft.		Water Sample: OCB-7GW (66-70) TCL Vocs + TAL Metals + MS/MSD
48									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: CB-1

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Catch basin #1 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 4

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0					Black asphalt pieces and tan-orange coarse-very coarse grained sand and gravel. Slight marshy odor, WET.		CB-1 (0-4) VOCs + Metals
2									
3									
4									
5									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: CB-2

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 27 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Catch basin #2 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 4

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
1	Macro-Core	4.0					some = 20-35%	m = medium	CB-2 (0-4) VOCs + Metals	
2							little = 10-20%	c = coarse		
3								trace = 0-10%		
4										
5						EOB at 4 ft.				

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: CB-3

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 27 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Catch basin #3 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 4

DEPTH (ft)	SAMPLER TYPE	RECOVERY (ft)	FTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	3.0							
2							0.0-2.5 ft Surface slough - black asphalt gravel. No odor, WET.		
3							2.5-3.0 ft Tan, very coarse grained sand and gravel, some asphalt gravel. No odor, WET.		
4							EOB at 4 ft.		
5									

CB-3 (0-4)
VOCs + Metals

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: CB-6

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 27 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Catch basin #8 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 4

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0					0.0-2.0 ft Surface slough - black sludge, asphalt gravel, rocks. Marshy odor, WET.	m = medium	CB-6 (0-4) VOCs + Metals
2					2.0-4.0 ft Tan-orange, coarse-medium grained sand, some gravel, trace very coarse sand. No odor, WET.		c = coarse		
3									
4									
5							EOB at 4 ft.		

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: CB-7

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 28 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Catch basin #7 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 4

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS	
							and = 30-50%	f = fine		
1	Macro-Core	4.0					and = 30-50% some = 20-35% little = 10-20% trace = 0-10%	f = fine m = medium c = coarse	0.0-3.7 ft Black asphalt pieces and surface slough. 3.7-4.0 ft Tan-orange, coarse-very coarse grained sand and gravel. Slight marshy odor, WET.	
2								CB-7 (0-4) VOCs + Metals		
3										
4									EOB at 4 ft.	
5										

APPENDIX B

BORING/WELL CONSTRUCTION LOGS



TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-1

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 3-4 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FTD READING	PID READING	MOISTURE	BIOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
2									
4									
6	SS-1	0.8	17 21 30 46				0.0-4.0" Tan-orange sand and coarse gravel. 4.0-4.5" Large gravel fragment. 4.5-8.0" Tan, medium grained sand. No odor.		
8									
10						DRY			
12	SS-2	0.8	3 8 16 22				Tan-orange medium-coarse grained sand and coarse-very coarse gravel. Large gravel fragment in shoe. No odor.		
14									
16	SS-3	1.5	5 8 16 18				0.0-6.0" Tan-orange medium-coarse grained sand and coarse gravel. 6.0-1.5' Tan, medium grained sand. No odor.		
18									
20									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-1

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 3-4 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READINGS	PTD READINGS	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
22	SS-4		10 11 16 16				Tan-orange, coarse-very coarse grained sand and coarse gravel. No odor.		<p>2" Sched. 40 PVC Riser Portland Cement</p>	
24										
26	SS-5		10 10 14 9				Tan-orange, coarse-very coarse grained sand and coarse gravel.			
28										
30						DRY				
32	SS-6	2.0	8 11 17 23				0.0-1.0 Tan-orange, coarse grained sand and gravel. 1.0-2.0 Tan, coarse grained sand and gravel.			
34										
36	SS-7		18 17 15 14				Tan-orange, coarse grained sand and gravel.			
38										
40										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-1

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 3-4 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PTD READING	MOISTURE	GEOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
42	SS-8	0.0	15 17 19 22				No recovery.		
44									
46	SS-9	1.5	15 12 8 7			DRY	Tan-orange, medium-coarse grained sand and coarse gravel. No odor.		
48									
50									
52	SS-10	1.5	18 20 22 24				0.0-2.0" Very coarse gravel. 2.0-1.5" Tan, medium grained sand and medium-coarse gravel. Tip of spoon damp.		
54									
56	SS-11	1.0	7 7 16 20			DAMP	Tan, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.		
58									
60									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-1

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 3-4 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PID READING	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
62	SS-12	1.0	8 21 22 42			DAMP	Tan, medium-coarse grained sand, some coarse gravel. No odor.		<p>2" Sched. 40 PVC Riser 2" Sched. 40 PVC 10 Slot Screen #2 Morie Sand Bentonite</p>	
64										
66	SS-13	1.0	8 6 4 4				Water at 63 ft. Tan, coarse-very coarse grained sand and coarse-very coarse gravel.			
68	SS-14	1.0	18 20 22 23				Tan, coarse-very coarse sand and coarse-very coarse gravel, some medium grained sand.			
70	SS-15	2.0	10 10 12 14				Tan, very coarse grained sand and coarse gravel.			
72	SS-16	0.2	18 22 26 45				Tan, very coarse grained sand, trace gravel.			
74	SS-17	0.2	16 18 22 36				Tan, very coarse grained sand, trace gravel.			
76							EOB at 76 ft. Well set at 75 ft.			
78										
80										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-2

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 4-5 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PID READING	MOISTURE	GEOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
2									
4									
6	SS-1	0.6	100/8				Poor recovery, spoon bouncing. Very coarse quartz gravel, some coarse grained sand.		<p>2" Sched. 40 PVC Riser</p> <p>Portland Cement</p>
8									
10						DRY			
12	SS-2	1.0	6 7 8 11				Trace silt (slough), tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.		
14									
16	SS-3	1.0	20 31 19 17				0.0-0.4 Tan-orange, medium-coarse grained sand and coarse gravel. 0.4-0.6 Quartz gravel and muscovite schist. 0.6-1.0 Tan-orange, medium-coarse grained sand and coarse gravel.		
18									
20									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-2

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 4-5 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READINGS	PID READINGS	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
22	SS-4	1.5	20 12 12 12				Tan-orange, coarse-very coarse grained sand and coarse gravel. No odor.			
24										
26	SS-5	1.5	12 9 11 9				Tan-orange, coarse-very coarse grained sand and coarse gravel. No odor.			
28										
30						DRY				
32	SS-6	1.5	14 8 8 14				Tan, medium-coarse grained sand and coarse gravel. No odor.			
34										
36	SS-7		13 11 9 16				Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.			
38										
40										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-2

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 4-5 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FTD READINGS	PTD READINGS	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
42	SS-8		7 9 14 11				Tan, coarse-very coarse grained sand and coarse gravel. No odor.			
44										
46	SS-9		9 11 14 17				Tan, medium-coarse grained sand and coarse gravel. No odor.	○ ○ ○ ○		
48										
50						DRY				
52	SS-10	0.2	9 7 11 9				Coarse-very coarse grained sand and very coarse gravel.	○ ○ ○ ○		
54										
56	SS-11	1.0	9 10 15 17				Medium-coarse grained sand and gravel.	○ ○ ○ ○		
58										
60										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-2

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 4-5 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PTD READING	MOISTURE	GEOLOGIC DESCRIPTION and = 35-50% f = fine some = 20-35% m = medium little = 10-20% c = coarse trace = 0-10%	LITHOLOGY	WELL DIAGRAM
62	SS-12	1.0	10 10 11 12			DRY	Light tan, medium grained sand, fluffy. No odor.	[Dotted pattern]	<p>2" Sched. 40 PVC 10 Slot Screen #2 Morie Sand</p>
64									
66	SS-13	1.0	7 8 9				Light tan, medium-coarse grained sand, micaceous.	[Dotted pattern]	
68	SS-14	2.0	4 6 4 2			WET	Light tan, coarse-very coarse micaceous sand and coarse-very coarse gravel.	[Large circles]	
70	SS-15	0.0					No recovery.	[Large circles]	
72	SS-16	0.4	18 10 10 12				Tan, medium-coarse grained sand and medium gravel.	[Large circles]	
74	SS-17	1.0	16 6 8 10				0.0-0.4 Tan, medium grained sand. 0.4-1.0' Tan coarse grained sand and medium gravel.	[Large circles]	
76			11				EOB at 76 ft. Well set at 75 ft.		
78									
80									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-3

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 5-6 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PID READING	MOISTURE	GEOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
2									
4									
6	SS-1	1.0	12				0.0-0.2 Dark brown silt and gravel. 0.2-1.0 Tan, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.	[Symbol]	[Diagram]
12									
17									
27									
8									
10						DRY			
12	SS-2	1.0	21				Tan-orange, very coarse grained sand and very coarse gravel. No odor.	[Symbol]	[Diagram]
27									
29									
34									
14									
16	SS-3	0.8	12				Brown, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.	[Symbol]	[Diagram]
17									
30									
28									
18									
20									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-3

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 5-6 September 1998
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PID READING	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
22	SS-4	1.0	21 19 18 12				Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.			
24										
26	SS-5	1.0	12 15 17 18				Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.			
28										
30						DRY				
32	SS-6	1.0	21 19 17 11				Light tan, coarse-very coarse grained sand and coarse-very coarse gravel. Large muscovite schist fragment at 0.8 ft. No odor.			
34										
36	SS-7	1.0	10 11 12 14				Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.			
38										
40										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-3

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 5-6 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLT-SPOON	RECOVERY	BLOWS/6 INCHES	FTD READINGS	PID READINGS	MOISTURE	GEOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
42	SS-8	0.2	6 8 7 11				Tan-orange, coarse-very coarse grained sand and coarse quartz gravel. No odor.		<p>2" Sched. 40 PVC Riser Portland Cement Bentonite</p>
44									
46	SS-9	0.3	10 14 6 8				0.0-0.2 Tan-orange, very coarse grained sand and very coarse gravel. 0.2-0.3 Large muscovite schist fragment. No odor.		
48									
50						DRY			
52	SS-10	1.0	17 14 8 8				Tan-orange, coarse-very coarse grained sand and coarse gravel. No odor.		
54									
56	SS-11	1.5	6 8 15 10				0.0-0.6 Tan-orange coarse grained sand and coarse gravel. 0.6-0.7 Reddish-orange, very coarse grained sand and coarse gravel. 0.7-1.5 Tan, coarse grained sand and coarse gravel.		
58									
60									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-3

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 5-6 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	PTD READING	PTD READING	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50% some = 20-35% little = 10-20% trace = 0-10%	f = fine m = medium c = coarse		
62	SS-12	1.5	9 16 8 10			DRY	0.0-1.4 Tan, medium-coarse grained sand and coarse gravel. 1.4-1.5 Tan, coarse gravel, WET.			
64	SS-13	1.0	10 12 11 11			WET	0.0-0.8 Tan, medium-coarse grained sand and coarse gravel. 0.8-1.0 Coarse-very coarse grained sand and coarse-very coarse gravel.			
66	SS-14		10 10 7 6				Tan, coarse-very coarse sand and coarse gravel.			
68	SS-15	2.0	10 11 27 21				Tan, coarse-very coarse grained sand and coarse-very coarse gravel.			
70	SS-16	1.5	10 12 13 12				Tan, coarse-very coarse grained sand and coarse gravel, some medium grained sand.			
72	SS-17	0.4	18 12 12 10				Tan, coarse-very coarse grained sand and coarse-very coarse gravel.			
74	SS-18	0.6	10 10 9 8				Tan, coarse-very coarse grained sand and coarse-very coarse gravel.			
76							EOB at 75 ft, augered to 76 ft. Well set at 75 ft.			
78										
80										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-4

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 6-9 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	PTD READING	PTD READING	MOISTURE	GEOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
2									
4									
6	SS-1	1.0	10 21 30 44				0.0-0.2 Black-brown silt and brick fragments (slough). 0.2-1.0 Tan, medium-coarse-very coarse grained sand and very coarse gravel. No odor.		<p>2" Sched. 40 PVC Riser Portland Cement</p>
8									
10						DRY			
12	SS-2	0.4	15 16 10 12				Tan-brown, coarse-very coarse grained sand and coarse-very coarse gravel. Large pieces of quartz gravel in shoe. No odor.		
14									
16	SS-3	1.0	22 20 21 19				Tan, very coarse grained sand and coarse-very coarse gravel. No odor.		
18									
20									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-4

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 6-9 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READINGS	PTD READINGS	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM	
							and = 35-50%	f = fine		some = 20-35%	m = medium
22	SS-4	0.0	100/6				Rock in shoe, no recovery.				
24											
26	SS-5	1.5	14 14 16 18				Tan, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.				
28											
30						DRY					
32	SS-6	1.5	14 11 18 10				Tan, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.				
34											
36	SS-7	1.5	24 11 10 10				Tan, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.				
38											
40											

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-4

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 6-9 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FTD READING	PID READING	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
42	SS-8	1.5	11 14 15 18				Tan, coarse-very coarse grained sand and coarse-very coarse gravel, some medium sand, some large lithic fragments. No odor.			
44										
46	SS-9	1.5	10 14 15 17				Tan, medium grained sand, some fine gravel, fluffy. No odor.			
48										
50						DRY				
52	SS-10	1.0	9 7 12 14				Tan, medium grained sand, trace fine gravel, fluffy. No odor.			
54										
56	SS-11	1.0	11 14 16 18				Tan, medium grained sand. No odor.			
58										
60										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-4

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 6-9 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 63
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOMS/6 INCHES	FID READING	PID READING	MOISTURE	GEOLOGIC DESCRIPTION	LITHOLOGY	WELL DIAGRAM
62	SS-12	1.0	8 12 13 10			DRY	Tan, medium grained, micaceous sand, last 2.0" WET.		<p>2" Sched. 40 PVC 10 Slot Screen</p> <p>#2 Morie Sand</p>
64	SS-13	1.0	14 13 15 12			WET	Tan, medium grained sand, some coarse gravel.		
66	SS-14	1.0	6 4 4 6				Tan, medium-coarse grained sand and coarse gravel.		
68	SS-15	2.0	12 11 14 16				0.0-1.8 Tan, coarse-very coarse grained sand and coarse gravel. 1.8-2.0 Tan, fine-medium grained sand.		
70	SS-16	2.0	6 7 5 9				0.0-1.0 Tan, coarse-very coarse grained sand and coarse-very coarse gravel. 1.0-2.0 Tan, medium grained sand, some fine grained sand.		
72	SS-17		7 12 11 13				Tan, coarse-very coarse grained sand, some medium grained sand and coarse gravel.		
74	SS-18	0.8	12 14 16 20				Tan, coarse-very coarse grained sand and coarse-very coarse gravel.		
76							EOB at 75 ft, augered to 76 ft. Well set at 75 ft.		
78									
80									

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-5

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 9-10 September 1996
 NYSDEC Site I.D.: _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62.8
 Geologist: Jennifer Morse Total Depth: 78

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PTD READING	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
2										
4										
6	SS-1	1.0	10 22 100/18				0.0-0.4 Dark brown, silty topsoil and tan clay. 0.4-1.0 Tan, coarse-very coarse grained sand and coarse gravel. No odor.			2" Sched. 40 PVC Riser Portland Cement
8										
10						DRY				
12	SS-2	1.5	6 16 22 34				0.0-0.2 Tan, gravelly silt 0.2-0.4 Tan-orange very coarse grained sand and very coarse gravel 0.4-1.5 Tan, sandy silt, some coarse gravel, tight.			
14										
16	SS-3	0.6	15 18 16 10				0.0-0.2 Micaceous schist fragment. 0.2-0.6 Tan, coarse-very coarse grained sand and very coarse gravel. Schist fragment in shoe.			
18										
20										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-5

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 9-10 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62.8
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FTD READING	PTD READING	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
22	SS-4	1.0	15 17 20 22				0.0-0.6 Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. 0.6-1.0 Tan-orange, medium grained sand.			
24										
26	SS-5	1.5	12 15 12 9				Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.			
28										
30						DRY				
32	SS-6	0.6	12 11 10 12				Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. Large quartz gravel in shoe. No odor.			
34										
36	SS-7	0.8	6 12 10 7				Tan-orange, coarse-very coarse grained sand and coarse-very coarse gravel. No odor.			
38										
40										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-5

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 9-10 September 1996
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62.8
 Geologist: Jennifer Morse Total Depth: 76

DEPTH (FT)	SPLIT-SPOON	RECOVERY	BLOWS/6 INCHES	FID READING	PID READING	MOISTURE	GEOLOGIC DESCRIPTION		LITHOLOGY	WELL DIAGRAM
							and = 35-50%	f = fine		
42	SS-8	0.0	16 18 17 15				No recovery, large schist fragment in shoe.			
44										
46	SS-9	1.0	10 14 11 13				Tan, medium grained sand, and coarse-very coarse gravel, some coarse grained sand.			
48										
50						DRY				
52	SS-10		21 27 20 18				Tan-orange, coarse grained sand and coarse-very coarse gravel.			
54										
56	SS-11		16 17 10 11				Tan-orange, coarse-very coarse grained sand and coarse gravel.			
58										
60										

TEST BORING/MONITORING WELL CONSTRUCTION LOG

Project Name: ALSY Manufacturing

BORING I.D.: LMS-5

Site Location: Hicksville, NY Drilling Co.: ADT
 Job Number: 698-001 Drilling Method: HSA
 Client: Surrey Company Date Begin/End: 9-10 September 1998
 NYSDEC Site I.D. _____ Surface Elevation: _____
 Boring Location: Monitoring Well #1 Depth to Water: 62.8
 Geologist: Jennifer Morse Total Depth: 76



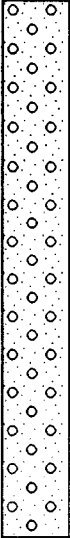
DEPTH (FT)	SPLIT-SPOON RECOVERY	BLOWS/6 INCHES	FID READINGS	PTD READINGS	MOISTURE	GEOLOGIC DESCRIPTION and = 35-50% some = 20-35% little = 10-20% trace = 0-10% f = fine m = medium c = coarse	LITHOLOGY	WELL DIAGRAM
62	SS-12 →	14 16 18 24			DRY	Tan, coarse grained sand, some fine-coarse gravel.		
64	SS-13 →	10 10 9 8			Tan, coarse grained sand, some coarse gravel.			
66	SS-14 →	4 6 5 5			Tan, coarse grained sand some coarse gravel.			
68	SS-15 →	10 15 12 13			WET	Tan, coarse-very coarse grained sand and coarse-very coarse gravel.		
70	SS-16 →	4 6 7 9			Tan, coarse-very coarse grained sand and coarse-very coarse gravel.			
72	SS-17 →	6 7 9 14			Tan, coarse-very coarse grained sand.			
74	SS-18 →	10 9 7 8			Tan, coarse-very coarse grained sand.			
76					EOB at 75 ft, augered to 76 ft. Well set at 75 ft.			
78								
80								

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: CB-4

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 27 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Catch basin #4 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 4

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	FID	PID	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	4.0					0.0-2.0 ft Surface slough - black, soupy, asphalt gravel, rocks.	m = medium	CB-4 (0-4) VOCs + Metals
2				2.0-4.0 ft Coarse-medium grained sand and gravel. Lens of very coarse sand at 3.8 ft.	c = coarse				
3						No odor, WET.			
4							EOB at 4 ft.		
5									

TEST BORING/SOIL DESCRIPTION LOG

Project Name: ALSY Manufacturing

Boring I.D.: CB-5

Site Location: Hicksville, NY Drilling Co.: Zebra Environmental
 Job Number: 698-001 Drilling Method: Geoprobe
 Client: Surrey Company Date Begin/End: 27 June 1996
 NYSDEC Site I.D. 130027 Surface Elevation: _____
 Boring Location: Catch basin #5 Depth to Water: _____
 Geologist: Jennifer Morse Total Depth: 8

DEPTH (ft)	SAMPLER TYPE	RECOVERY (%)	PTD	PTD	UNIFIED SOIL CLASSIFICATION	LITHOLOGY	GEOLOGIC DESCRIPTION		REMARKS
							and = 30-50%	f = fine	
1	Macro-Core	3.0		2.0			some = 20-35%	m = medium	CB-5 (0-4) VOCs + Metals
2			4.0		little = 10-20%		c = coarse		
3				2.0			trace = 0-10%		
4									
5			4.0	2.0					CB-5 (4-8) VOCs + Metals
6					5.0				
7					6.0				
8									EOB at 8 ft.
9									
10									

APPENDIX C

GPR SURVEY



SUB-SURFACE INFORMATIONAL SURVEYS, INC. - TABLE OF CONTENTS

GROUND PENETRATING RADAR RESULTS

**PRESENTATION MADE TO
LAWLER, MATUSKY & SKELLY ENGINEERS**

**SURVEY LOCATION:
ALSY MANUFACTURING PLANT
270 DUFFY AVENUE
HICKSVILLE, NY
MAY 25, 1996**

PAGE 1	NON TECHNICAL OVERVIEW (IF APPLICABLE)
PAGE 2	COVER LETTER WITH GRID DEFINITION
PAGE 3	GENERAL MAPS AND/OR SITE MAPS (IF AVAILABLE)
PAGE 4	GPR OVERVIEW & EXPLANATION
PAGE 5	PROFILE COPIES OBTAINED ON SITE
PAGE 6	OTHER APPLICATIONS/ADD'L INFORMATION (if applicable)

"LET US SEEK AND FIND"

SUB-SURFACE INFORMATIONAL SURVEYS, INC.

P. O. BOX 759 - SOMERS, CT 06071-0759

(CORPORATE HEADQUARTERS)

145 Shaker Road - P. O. Box 452

E. Longmeadow, MA 01028-0452

(203) 749-8434 - (413) 525-4666

FAX (413) 525-2887

PAGE 1

May 28, 1996

**Ms. Jennifer Morse, Project Manager
LAWLER, MATUSKY & SKELLY ENGINEERS
One Blue Hill Plaza
Pearl River, NY 10965**

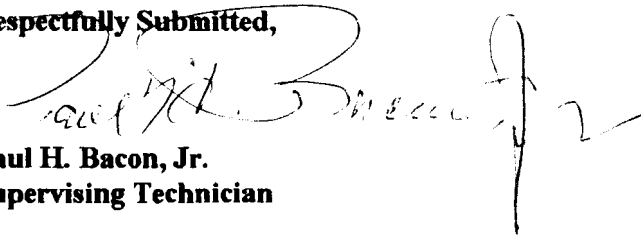
Dear Ms. Morse:

A Ground Penetrating Radar (GPR) survey was conducted at the former Alsy Manufacturing Plant, 270 Duffy Avenue, Hicksville, NY (Long Island) on May 25, 1996.

A 4.5' grid was used over most of the area. we divided out the survey into three separate sectors. The initial sector represents the rear parking area which represented approximately 52,000 sf. traverses (i.e. profiles) ran in a northerly direction from the start of survey (i.e. SOS). Our radar profiled down to an estimated 10' as noted in our explanation. We noticed a fill area ranging from 50" - 65" over what appears to be the natural (undisturbed) soils. There were a number of area's which were suspects area's of concern (i.e. AOC). All of these area's were noted with (white dashes) on the property. The second and third (AOC) are noted on our general overview. There was one unusual profile seen in our area #3 (Sector #3) which was noted. This area had a very significant hyperbolic features and would be an (AOC). See overview.

Respectfully Submitted,

**Paul H. Bacon, Jr.
Supervising Technician**



The information contained in this report represents the results of a Ground Penetrating Radar (GPR) survey conducted on (May 25, 1996) for (LAWLER, MATUSKY & SKELLY ENGINEERS) at the property location of (Alsy Manufacturing Plant, 270 Duffy Avenue, Hicksville, NY).

Grid for this survey was set up on a 4.5' with transects (@ 90 degree's) the same.

Sub-Surface Informational Surveys, Inc. uses a Subsurface Interface Radar (SIR) System-3 for all of it's surveys. The SIR technique utilizes a high frequency impulse radar technology to obtain a continuous high resolution profile of the subsurface. The system radiates repetitive short-term duration electromagnetic pulses into a dielectric material from a broad band width antenna electromagnetically coupled to the ground surface. The system functions as an echo sounding system using EM impulses of only a few nanoseconds (a billionth of a second) duration and is able to detect the exact location and measure the approximate depth of reflected targets.

The SIR System-3 used in this investigation consisted of a radar control unit, a line scan graph recorder, and a high frequency transmitter/receiver antenna across the soil/tar to be scanned. The pulses are transmitted into the subsurface and reflected by buried objects within. Reflected signals are detected, processed by the control electronics and printed on the graph recorder. The recorder produces an image by printing strong signals as black and weak signals as white. Intermediate signals such as noise between the surface and interface reflection are in the gray range. By adjusting threshold and controlling gain levels, and the timing function, a quality profile will be obtained.

Subsurface objects reflect EM pulses and produce a "Hyperbola" that identifies precisely the location of the center of the target.

Any and all site maps and/or plans that have been supplied by you have been duplicated and are part of this report. These are used for reference only and are not necessarily to scale.

NOTE:

THE SUB-SURFACE DRAWINGS CONTAINED IN THIS REPORT ARE NOT MEANT TO BE CAD DRAWINGS. THE PURPOSE OF OUR DRAWINGS ARE TO IDENTIFY THE LOCATION AND/OR ORIENTATION OF SUSPECTED ANOMALIES. THESE DRAWINGS ARE NOT TO SCALE

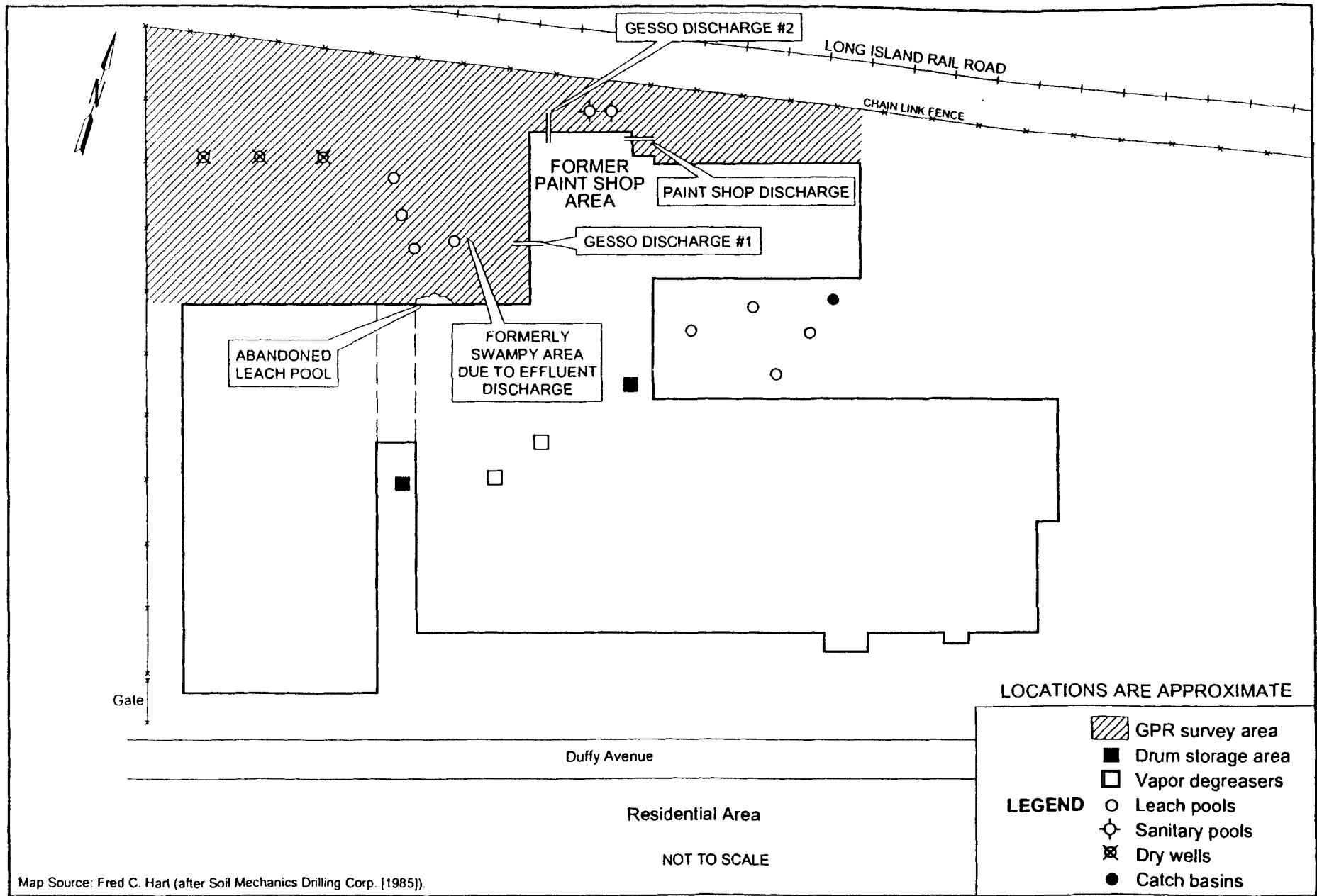


- LEGEND**
- Population Center
 - State Route
 - Geo Feature
 - Town, Small City
 - Park
 - Interstate, Turnpike
 - Street, Road
 - Hwy Ramps

- Major Street/Road
- State Route
- Interstate Highway
- Railroad
- River
- Open Water

Scale 1:28,125 (at center)
 2000 Feet
 1000 Meters

**DIRECTIONS TO
 270 & 280 DUFFY AVE.**
 Mag 13.75
 Thu May 23 10:21:39 1996



LMS Lawler, Matusky & Skelly Engineers
 One Blue Hill Plaza • Pearl River, New York 10965
 ENVIRONMENTAL SCIENCE & ENGINEERING CONSULTANTS

**Ground Penetrating Radar (GPR) Survey Area
 and Historical Disposal Information**
 Alsy Manufacturing - Oyster Bay, New York

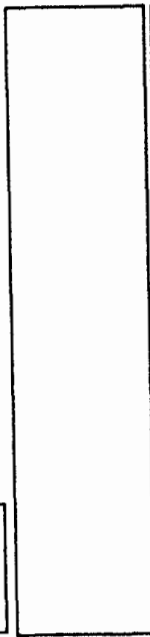
**Figure
 3-1**
1000a.kaplan.dwg

GROUND PENETRATING RADAR SURVEY - 5-25-96 - NTS
PROJECT _ FILE # 698-001 - HICKSVILLE, L. I., NEW YORK
PREPARED FOR: LMS ENGINEERS
SUBMITTED BY: Sub-Surface Informational Surveys, Inc./
E. Longmeadow, MA -01028-0452

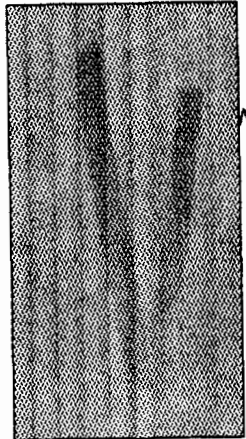
 = AREA OF CONCERN

hyperbolic features  AOC #5

Partial building footprint



Partial building footprint



AOC #2

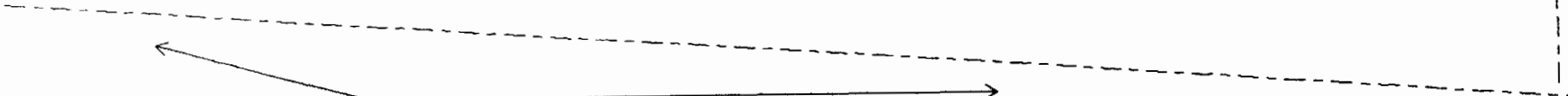
causway

AOC #1



possible leaching area's

AOC #4



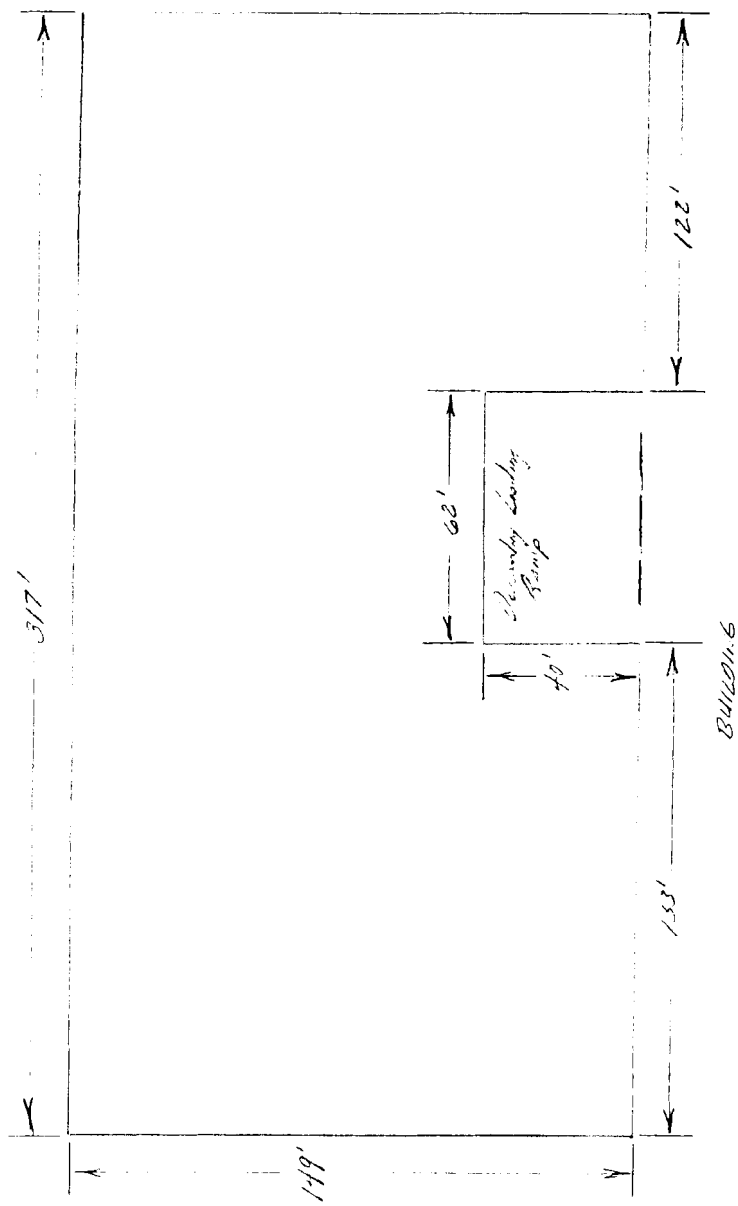
property line



railroad tracks

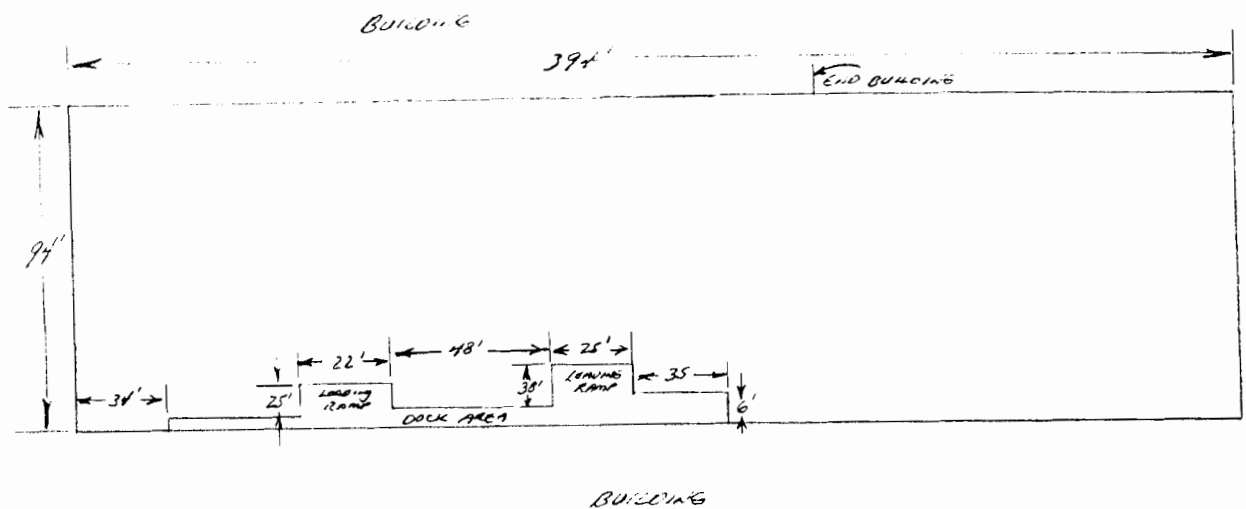
railroad tracks

AREA-I



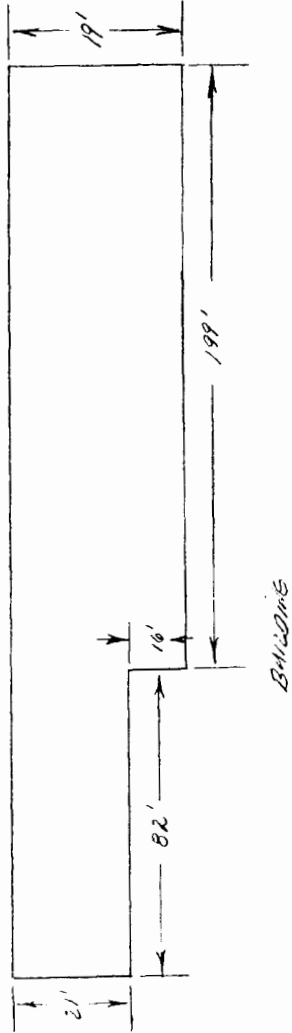
GROUND PENETRATING RADAR SURVEY DATE: MAR 25, 1996 PLACE: NICHOLSVILLE, KY	PREPARED FOR: <i>LMS Corp.</i>
SUBMITTED BY: SUB-SURFACE INFORMATIONAL SURVEYS INC. 145 SHAKER RD. E. LONGMEADOW, MA 01003 (413) 525-4666 FAX: (413) 525-0337	
NOT TO SCALE	

AREA-2



GROUND PENETRATING RADAR SURVEY DATE: MAR 25, 1996 PLACE: HICKSVILLE NY. PREPARED FOR: LMS CORP.
SUBMITTED BY: SUB-SURFACE INFORMATIONAL SURVEYS INC. 145 SHAKER RD. E. LONGMEADOW, MA 01023 (413) 525-4666 FAX: (413) 525-2007
NOT TO SCALE

AREA-3



GROUND PENETRATING RADAR
SURVEY DATE: MAY 25, 1990
PLACE: HICKSVILLE, N.Y.
PREPARED FOR:
Lms Corp.

SUBMITTED BY:
SUB-SURFACE INFORMATIONAL SERVICES
INC.
145 SHAKER RD.
E. LONGMEADOW, MA 01860
(413) 525-4060
FAX: (413) 525-2507

NOT TO SCALE

GPR OVERVIEW & EXPLANATION

PAGE 4

THE ATTACHED PROFILE COPIES ARE A VERY SMALL PORTION OF THE ACTUAL PROFILES TAKEN DURING THIS SURVEY. SOME OF THESE PROFILES HAVE BEEN REDUCED 65% FOR BETTER VIEWING. THE AREA'S OF CONCERN (AOC) HAVE BEEN HIGHLIGHTED IN (YELLOW) FOR QUICK REFERENCE.

THIS REPORT HAS BEEN BROKEN DOWN INTO SECTOR'S. A SECTOR CHANGE WOULD OCCUR WHEN THERE ARE SIGNIFICANT CHANGES IN THE TERRAIN FROM ONE AREA TO ANOTHER OR CHANGE IN VEHICLE/COMPUTER POSITION. (Example: If we had two area's to be surveyed such as a parking lot and a field, we would break this down into two separate sector's for quick & easy reference. Inside of buildings we may break each room or corridor down by sector's)

This survey represents three separate sectors of the Alsy Manufacturing Plant, 270 Duffy Avenue, Hicksville, NY (Long Island). Sector #1 represents an area 320' east/west by 150' north/south. The area is covered with b.t. concrete. Grid for this is set up at 4.5' with the base line starting at the northwest corner of the property.

P-1 represents the initial traverse at +5' from the start of survey (i.e. SOS). This traverse is 150' in length starting from the northwest corner and running towards the southwest corner of this sector. This profile is showing the fill area down to an estimated 50" - 65" (at deepest point) to the natural soil which is shown in the profile. No unusual anomalies seen. Bench mark in center (i.e. BM) is at the approximate mid-point of the traverse.

P-2 represents a parallel traverse with the same basic profile as P-1.

P-3 is a traverse at +25' from (SOS) with no unusual anomalies.

P-4 represents a traverse at +35' from (SOS) with a suspected anomaly in the center. Notice the (X's) which show the transducer going over the catch basin cover. Just after that you will see a white out area which is a suspect area of concern (i.e. AOC). This was noted on site.

P-5 represents the width of the AOC to be 10' X 12.5' (see overview for orientation).

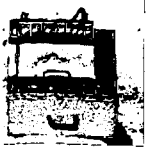
P-6 thru P-8 represent individual traverses at 50', 80', & 165' from (SOS). There is a consistency of the interfacing with no unusual anomalies seen.

P-9 & P-10 represent our second (#2) (AOC). This area appears to be approximately 15' X 15' and is adjacent to a patch near the causeway. See overview for orientation.

P-11 & P-12 are traverses at 230' and 240' from (SOS) showing outer parameters of a suspect AOC #3 which is approximately 80' X 122' oval shaped area. See overview.

P-13 & P-14 represent the 5' profile and 15' profile from the building in Sector #2. Both of these show an (AOC) which is representative of a corridor of 15' in width by an estimated 63' in length. This is showing an AOC starting at an estimated depth of 5.13' below the surface to the bottom of the profile up to 10' below the surface.

P-15 is a profile in Sector #3. there are two definitive hyperbolic features running parallel to each other. They appear to be an estimated 10' in length and are certain to be an (AOC). Both of these anomalies appear to be 41.5" below the surface. They are in a patch area which was noted on site. (see overview)



SUB SURFACE INFORMATIONAL SURVEYS, INC.

MONITOR BUILDING
145 SHAKER ROAD
E. LONGMEADOW, MA 01028

Telephone (413) 525-4666 (203) 749-8434
Fax (413) 525-2887

May 30, 1996

ADDENDUM TO Q# 1.369.950 - GPR Survey Date 25 May 1996
PROJECT: Alys Manufacturing Plant - Hicksville, NY

ATTN: Kevin McCarty - LMS Engineering

Regarding: P-15 of report

Item #1. Correction of P-15 should read as follows:

P-15 is a profile in Sector #3. There are two definitive hyperbolic features running parallel to each other. They appear to take up a 10' X 10' area which was marked on site and are an (AOC). Both of these anomalies noted, appear to be estimated at 25"-28" below the surface. You will notice a (third) anomaly in-between these two hyperbolic features which appears to be an estimated 44" - 46" below the surface. The subsurface depth is (+ - 10%)

Item #2. A ferromagnetic magnetometer was used in this survey when an anomaly appeared to have a characteristic similar to that of a drum or underground storage tank. This area of concern (AOC) was scanned with our magnetometer and we found it not to be of value due to the metals in the soils in the surrounding area. Usually construction materials or construction fill has amounts of metal within the fill due to rebar, wire mesh in concrete etc., and keeps our magnetometer readings continuous within that area. We found that most of the area within 50' of this (AOC) had pieces of metal in the subsoil's.

Respectfully submitted,

Paul H. Bacon, Jr.
cc: file

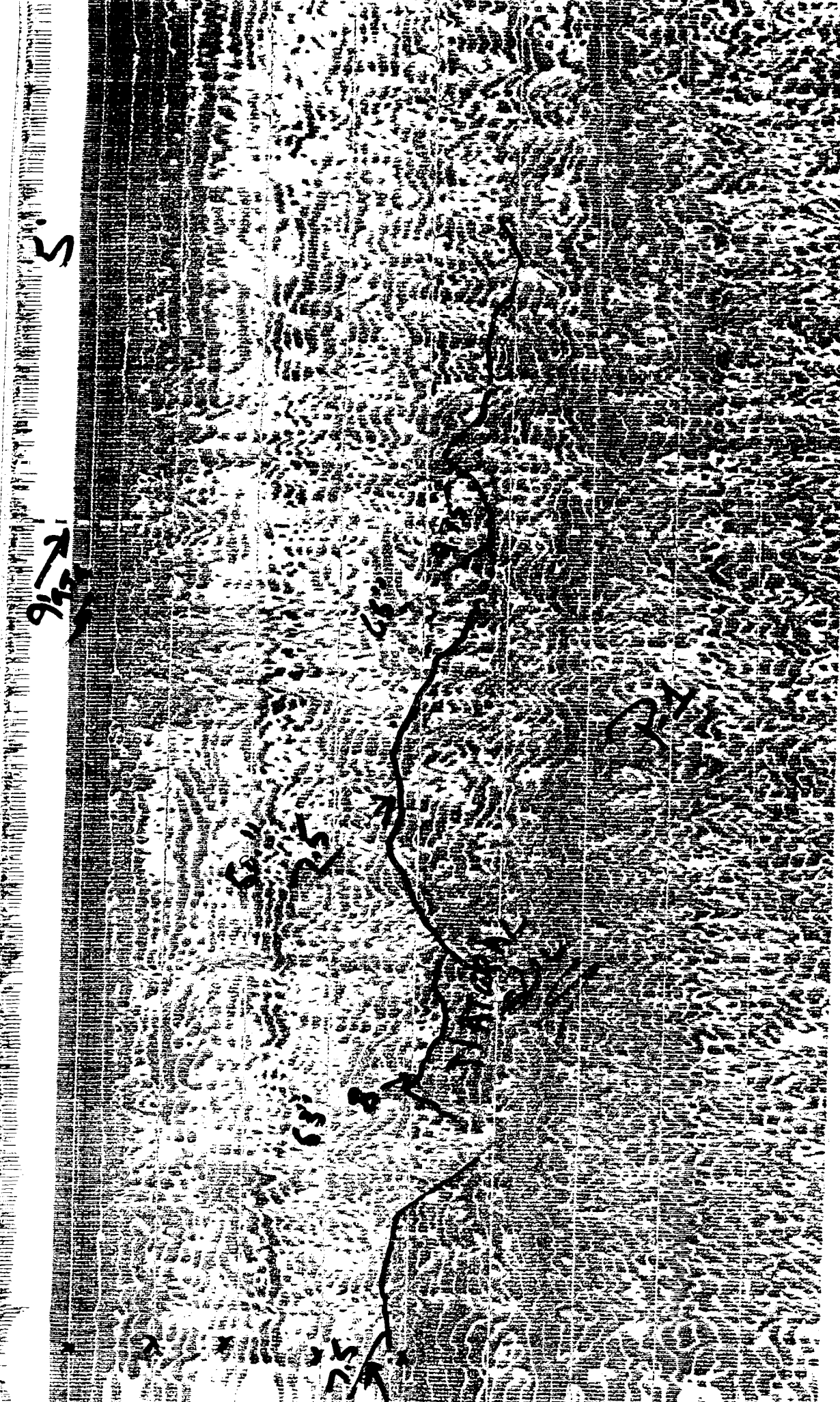
PROFILE COPIES OBTAINED ON SITE

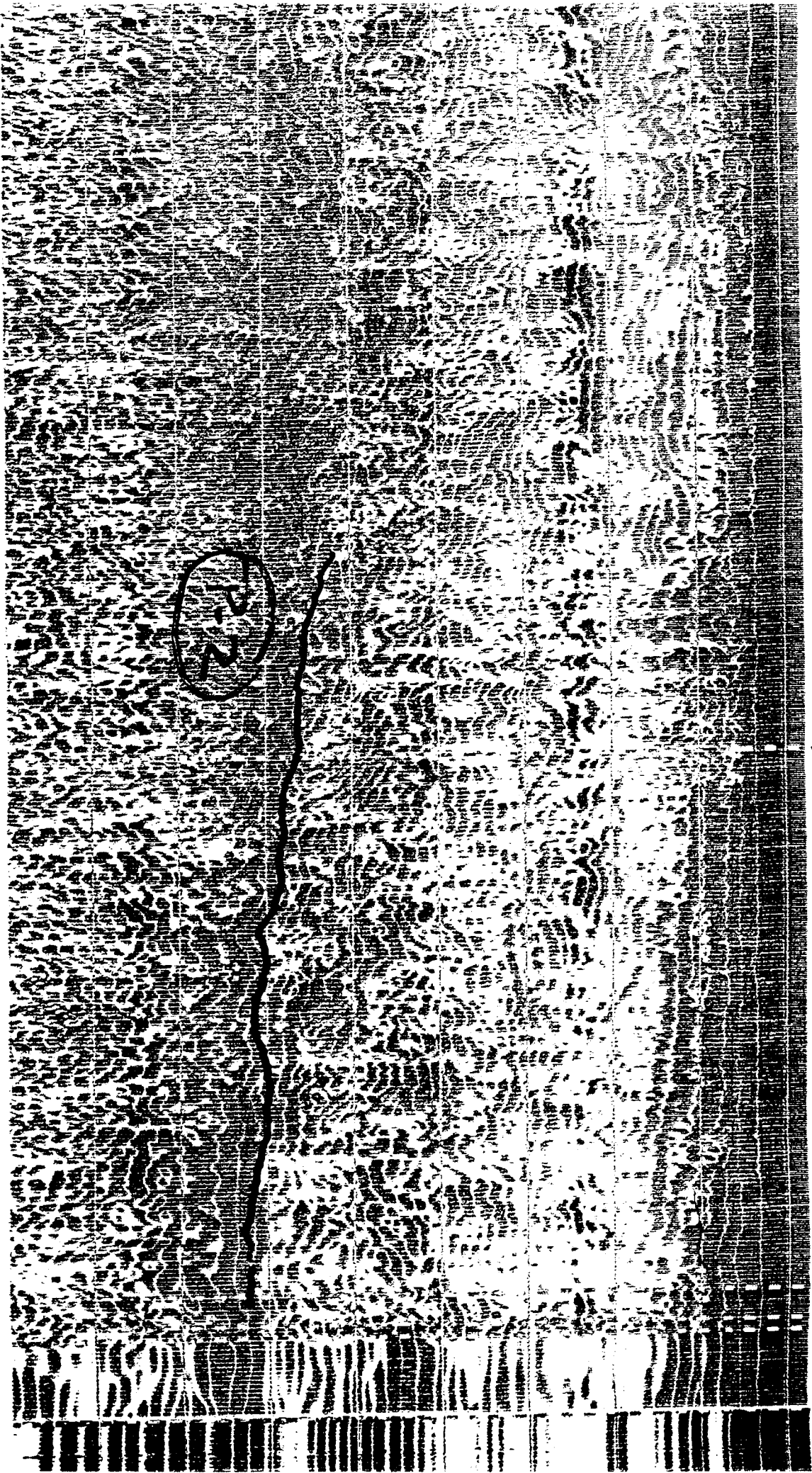
PAGE 5

The attached profile copies are a very small portion of the actual profiles taken during the survey. Some of these profiles have been reduced up to 65% for better viewing of an individual traverse. The area's of concern (AOC) have been highlighted for your quick reference

3

9372





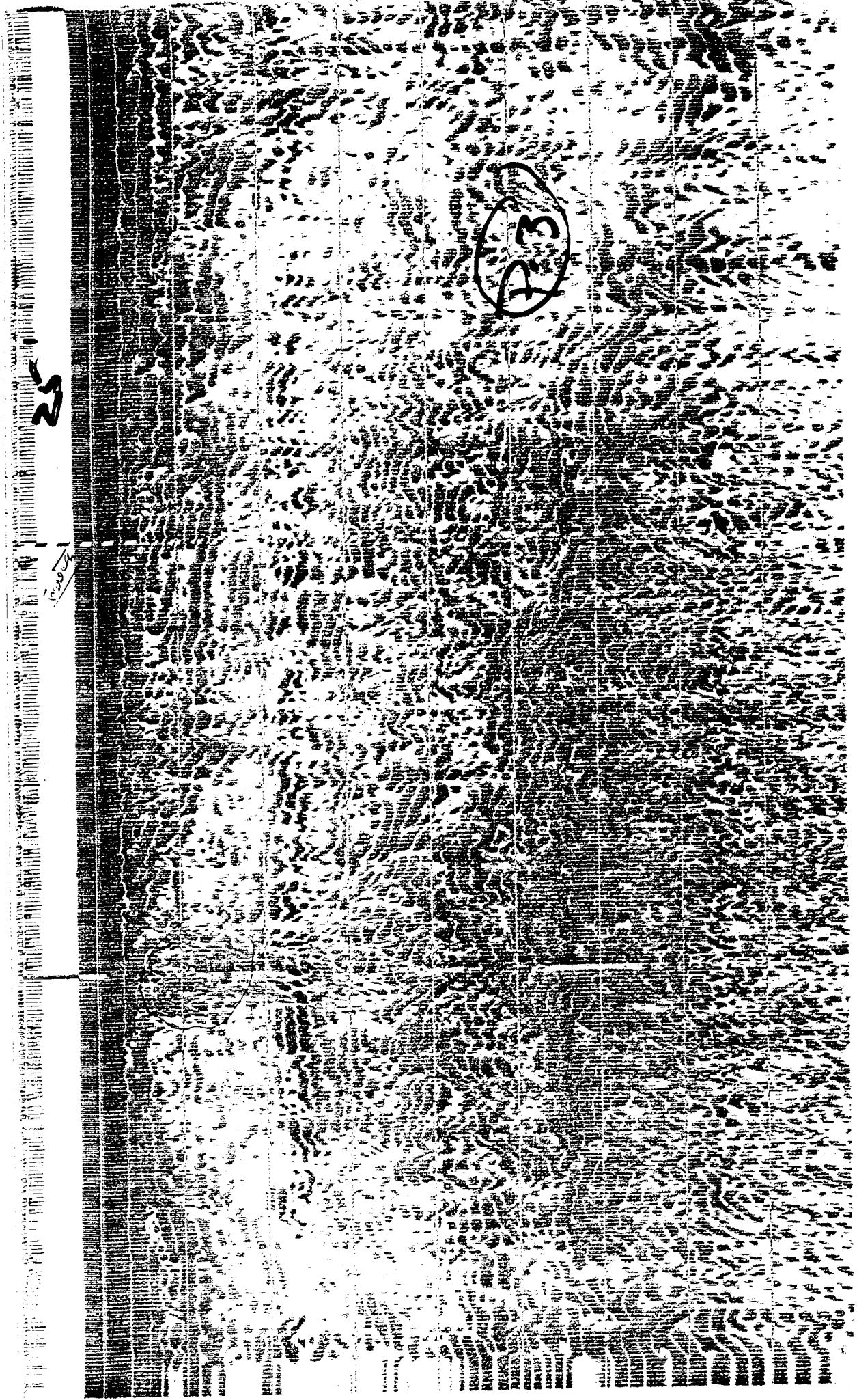
23

2

25

10/20/50

23



SE

100

100

100

100

100

100

100

100

1300

14 x 22.5

ADP

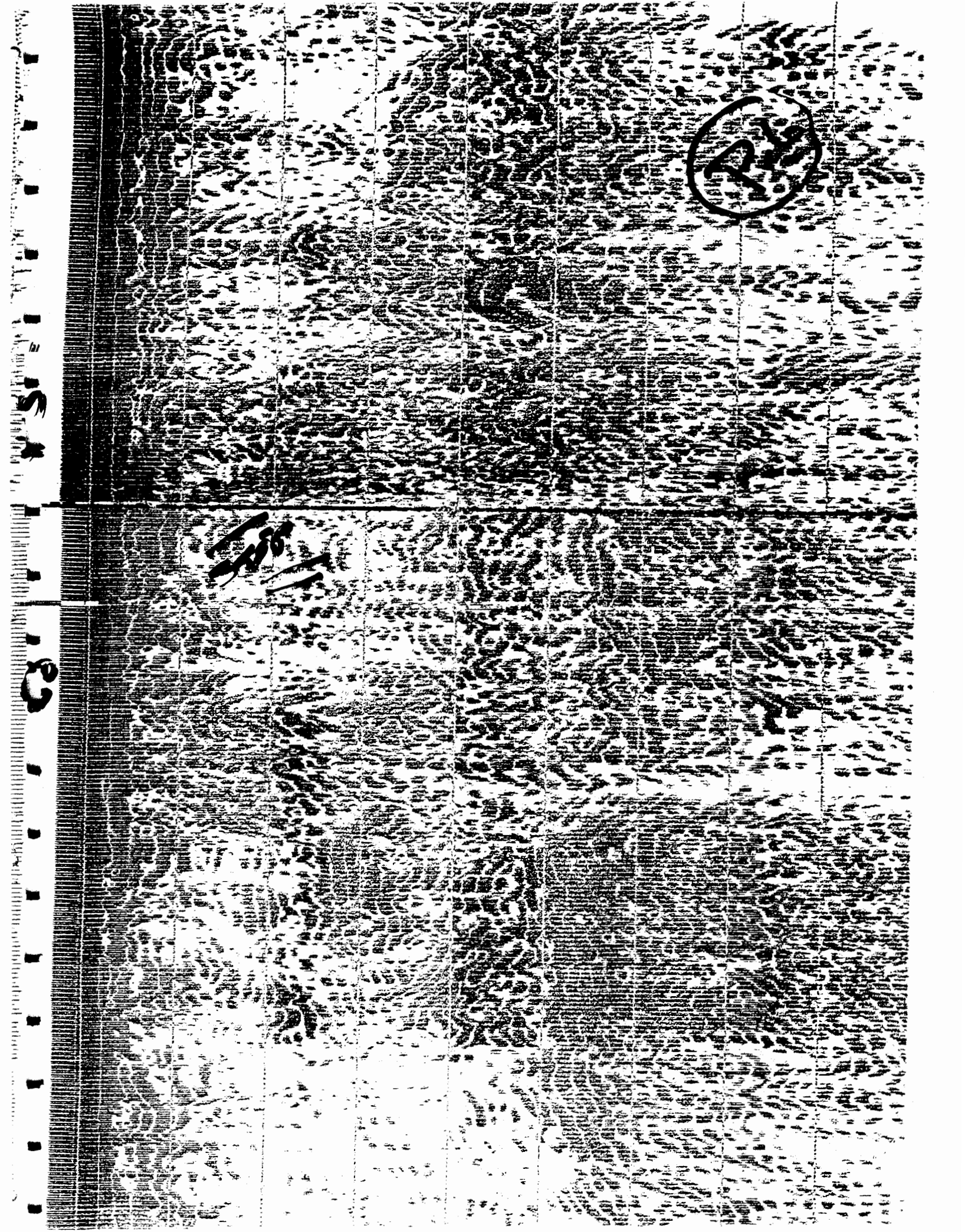
1300

1300



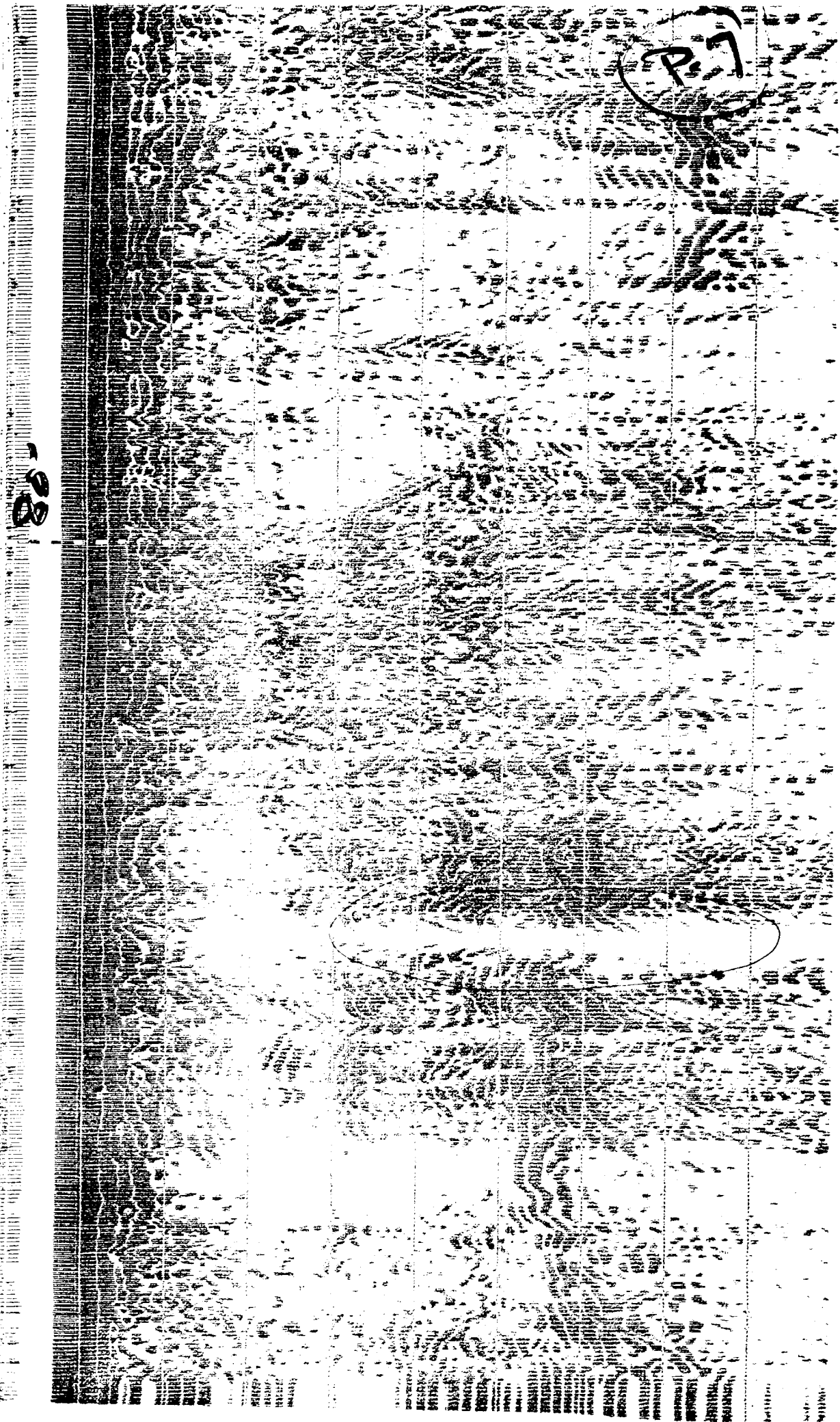
154

154



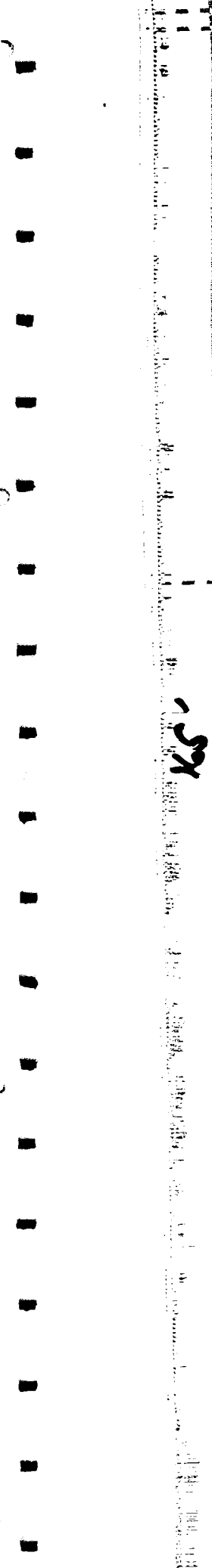
P. 7

88



8-17

52



Main body of the document containing dense, mostly illegible text. The text is arranged in several columns and appears to be a highly degraded scan of a document. Some faint words like 'REPORT' and 'SECTION' are visible in the lower half.

ADC #2

12-9

ADC #2

12-9

12

12

APR 1 1964
COMMUNICATIONS SECTION
AIR FORCE
HEADQUARTERS
DISTRIBUTION
UNIT

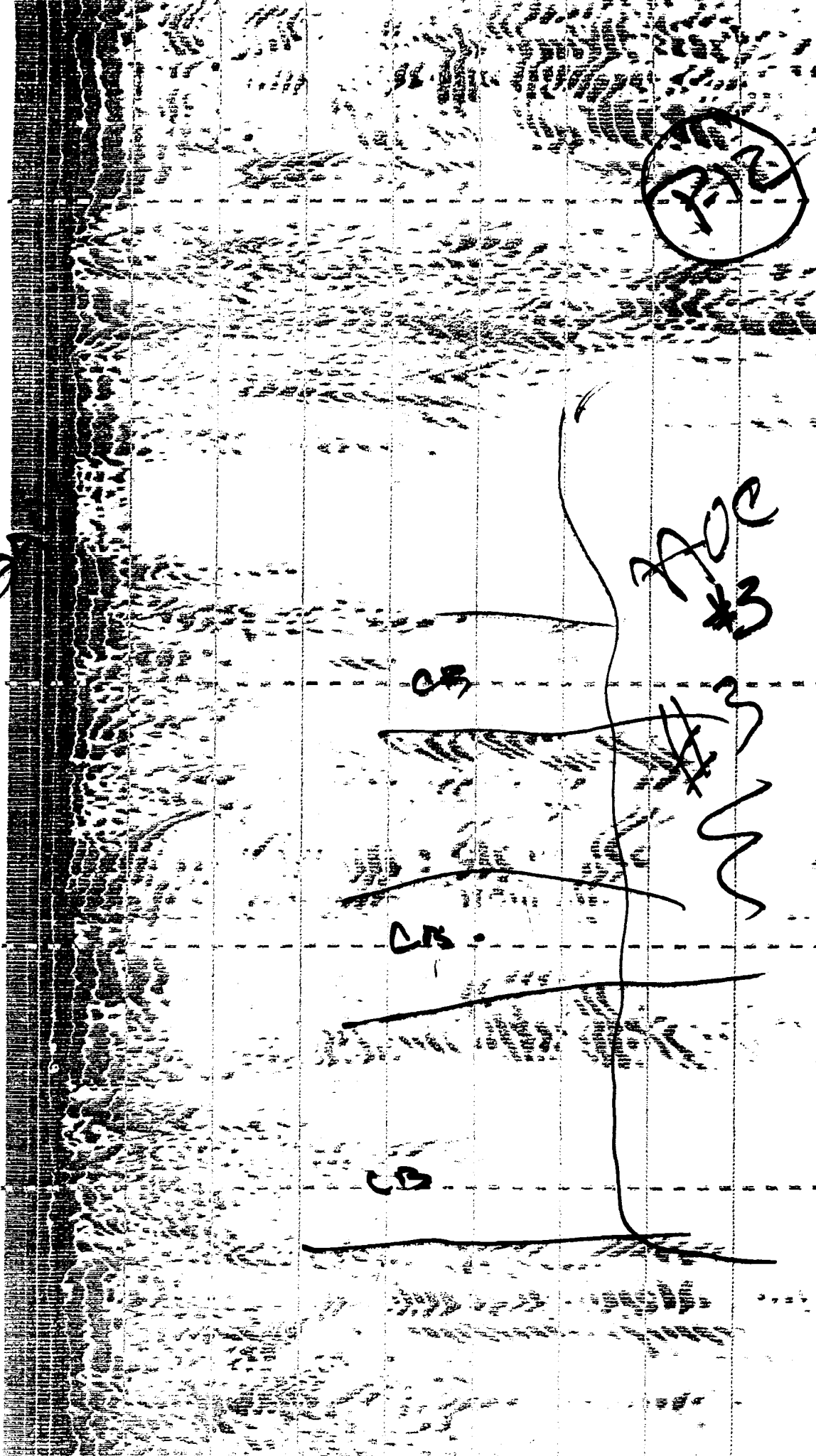
7.1

12
12

CB

CB

2



272

700
#3

#3

CB

CB

CB

~~SECRET~~

BASE

F-13

2/13
5/14

30

BASE 2 SIS' des

9/20/13

9/20/13

ADC #7

7.14

Section 2

#3

~~SECRET~~

~~SECRET~~

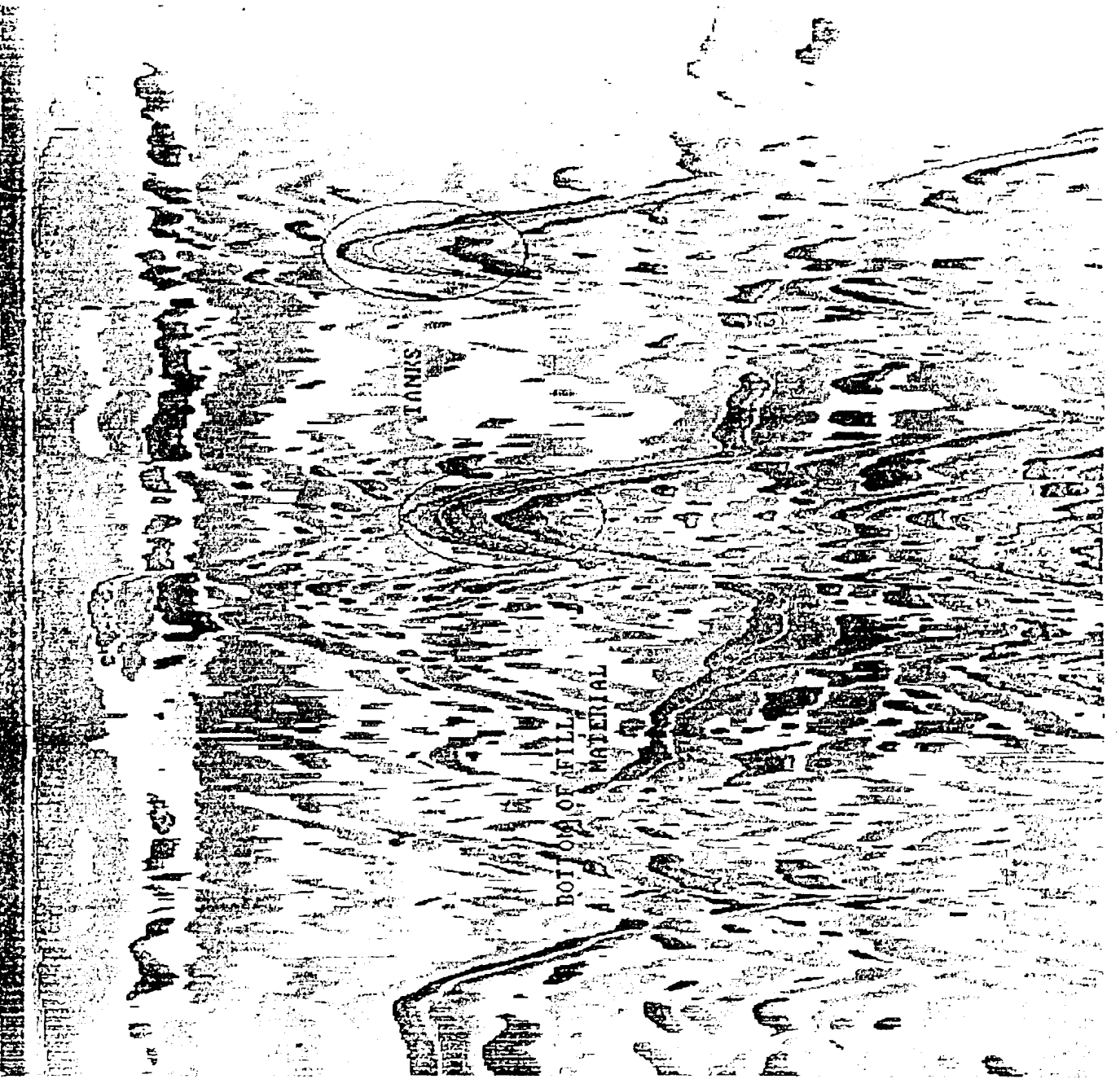
Additional information may be requested as part of this report such as comparative profiles of similar anomalies or specific information relating to other definitive applications.

Sub-Surface Informational Surveys, Inc. has been a leader in the ground penetrating radar (GPR) industry. In addition to GPR, ferromagnetic magnetometers are used in all of our surveys as needed to get the end results for you, our customer. We service all of the New England area as well as all of New York State and New Jersey.

Offices in Connecticut & Massachusetts

Founded 1988

GROUND SURFACE



LINKS

BOTTOM OF FILL MATERIAL



APPENDIX D
WELL COMPLETION LOGS



MONITORING WELL COMPLETION LOG

PROJECT NUMBER: *100-100-100*

PROJECT NAME: *1. ...*

WELL No.: *111*

CLIENT: *...*

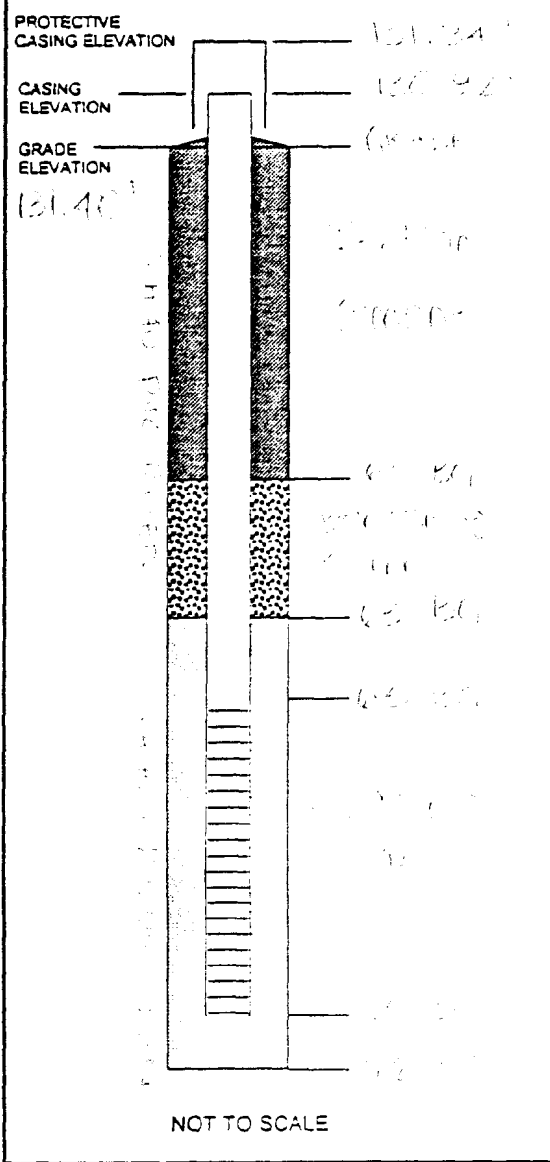
LOCATION: *BEAK OF ... OFF ...*

DATE DRILLED: *...*

DATE DEVELOPED: *...*

WELL CONSTRUCTION COMPLETED: *...*

DEVELOPING METHOD: *...*



INSPECTOR: *...*

DRILLING CONTRACTOR: *...*

TYPE OF WELL: *...*

STATIC WATER LEVEL: *...* DATE: *...*

MEASURING POINT: *...* TOTAL DEPTH OF WELL: *1361* TOTAL DEPTH OF BORING: *1361*

DRILLING METHOD: *...* TYPE: *...*

DIAMETER: *2"* CASING: *...*

SAMPLING METHOD: *...* TYPE: *...*

DIAMETER: *...* WEIGHT: *...*

FALL: *...* INTERVAL: *EVERY 5 FT. USING ...*

RISER PIPE LEFT IN PLACE MATERIAL: *PVC*

DIAMETER: *2"* LENGTH: *...* JOINT TYPE: *...*

SCREEN MATERIAL: *...*

INTERVAL: *...* DIAMETER: *...*

STRATIGRAPHIC UNITS SCREENED: *...* SLOT SIZE: *...*

FILTER PACK GRADE: *...*

SAND: *...* GRAVEL: *...* NATURAL: *...*

AMOUNT: *...* INTERVAL: *...*

SEAL(s) *...*

NOTES: *...*

CHECK APPLICABLE	INTERVAL	AMOUNT
Portland Cement		
Bentonite Slurry		
Bentonite Pellets		
Other:		

LOCKING CASING: NO YES KEY NO: *...*

MONITORING WELL COMPLETION LOG

PROJECT NUMBER: **648 002**

PROJECT NAME: **ALBY**

WELL No.: **LMS-2**

CLIENT: **SURREY COMPANY**

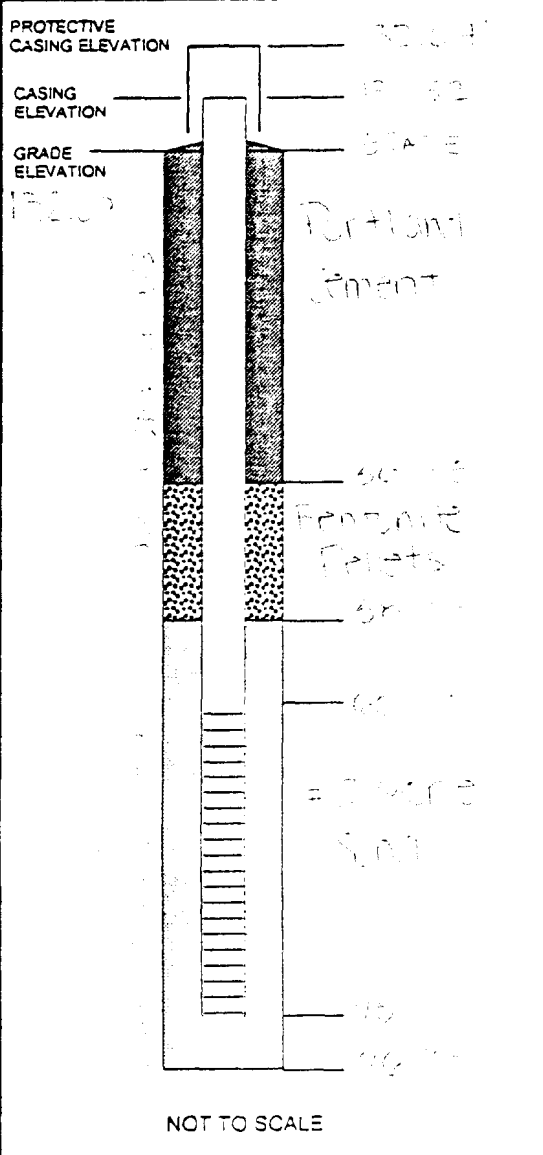
LOCATION: **EAST CO 240 DIRT / WIND**

DATE DRILLED: **10/20/09**

DATE DEVELOPED: **10/20/09**

WELL CONSTRUCTION COMPLETED: **10/20/09**

DEVELOPING METHOD: **CA**



NOT TO SCALE

INSPECTOR: **[Signature]**

DRILLING CONTRACTOR: **A**

TYPE OF WELL: **MONITOR**

STATIC WATER LEVEL: **2.75 FT**

DATE: **15 SEPTEMBER 09**

MEASURING POINT: **2.75**

TOTAL DEPTH OF WELL: **76.24**

TOTAL DEPTH OF BORING: **76.25**

DRILLING METHOD: **SW**

TYPE: **FSA**

DIAMETER: **4.35"**

CASING: **[Blank]**

SAMPLING METHOD: **[Blank]**

TYPE: **SPIT SPUN**

DIAMETER: **2"**

WEIGHT: **140 lbs**

FALL: **3'**

INTERVAL: **EVERY 5' UNTIL 10', CONTINUOUS BELOW**

RISER PIPE LEFT IN PLACE

MATERIAL: **PVC**

DIAMETER: **2"**

LENGTH: **2.5'**

JOINT TYPE: **[Blank]**

SCREEN

MATERIAL: **PVC**

INTERVAL: **[Blank]**

DIAMETER: **[Blank]**

STRATIGRAPHIC UNITS SCREENED: **[Blank]**

SLOT SIZE: **[Blank]**

FILTER PACK

GRADE: **[Blank]**

SAND: **[Blank]**

GRAVEL: **[Blank]**

NATURAL: **[Blank]**

AMOUNT: **[Blank]**

INTERVAL: **[Blank]**

SEAL(s)

NOTES: **[Blank]**

CHECK APPLICABLE: **Portland Cement**

INTERVAL: **[Blank]**

AMOUNT: **[Blank]**

Bentonite Slurry

INTERVAL: **[Blank]**

AMOUNT: **[Blank]**

Bentonite Pellets

INTERVAL: **[Blank]**

AMOUNT: **[Blank]**

Other: **[Blank]**

INTERVAL: **[Blank]**

AMOUNT: **[Blank]**

LOCKING CASING: NO YES KEY NO: **[Blank]**

MONITORING WELL COMPLETION LOG

PROJECT NUMBER: 048002

PROJECT NAME: ALSY

WELL NO.: LMS-3

CLIENT: SURREY COMPANY

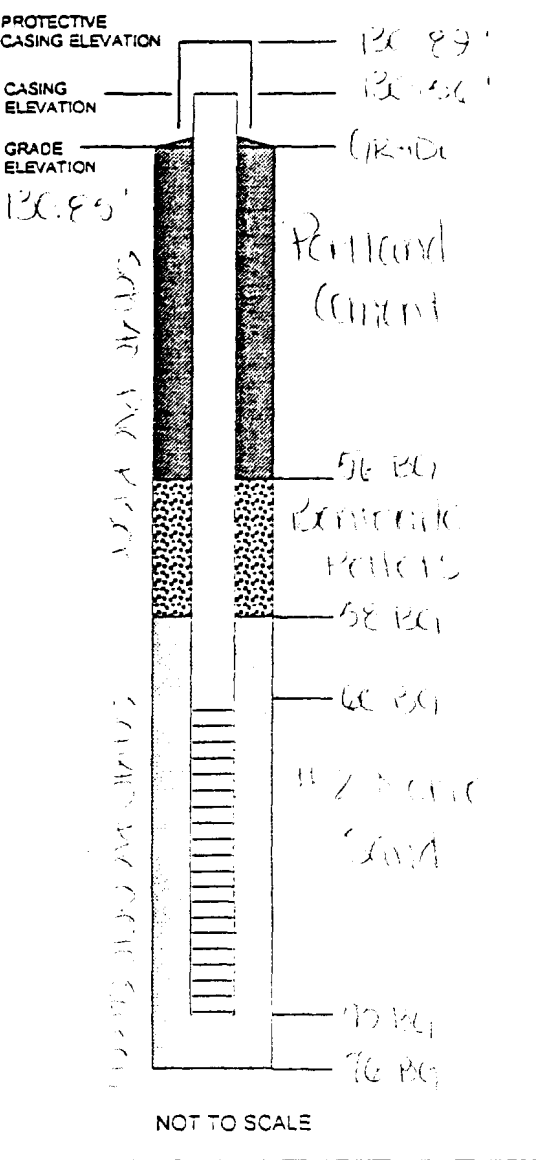
LOCATION: IN FRONT OF 210 DUFFIN AVENUE

DATE DRILLED: 6 SEPTEMBER 09

DATE DEVELOPED: 1 SEPTEMBER 09

WELL CONSTRUCTION COMPLETED: 6 SEPTEMBER 09

DEVELOPING METHOD: LAULER



INSPECTOR: J. [Signature]

DRILLING CONTRACTOR: ADT

TYPE OF WELL: FLOW MOUNT

STATIC WATER LEVEL: 124.9' DATE: 12 SEPTEMBER 09

MEASURING POINT: 130' TOTAL DEPTH OF WELL: 75' TOTAL DEPTH OF BORING: 2' 30"

DRILLING METHOD: TYPE: HSA

DIAMETER: 4.75" CASING:

SAMPLING METHOD: TYPE: SPINNING

DIAMETER: 2" WEIGHT: 100 LB

FALL: 30' INTERVAL: 1' 0" 2' 0" 3' 0" 4' 0" 5' 0"

RISER PIPE LEFT IN PLACE MATERIAL: 2 1/2"

DIAMETER: 4" LENGTH: 50' JOINT TYPE: TYPICAL

SCREEN MATERIAL: 2 1/2"

INTERVAL: 5' 0" 6' DIAMETER: 2"

STRATIGRAPHIC UNITS SCREENED: 1' 0" SLOT SIZE: 0.075"

FILTER PACK GRADE: #20

SAND: 110# GRAVEL: NATURAL

AMOUNT: 5' 0" INTERVAL: 5' 0"

SEAL(s)

NOTES: [Handwritten notes and diagrams]

CHECK APPLICABLE	INTERVAL	AMOUNT
Portland Cement	1' 0" - 56 BC	100#
Bentonite Slurry		
Bentonite Pellets	56 BC - 58 BC	100#
Other:		

LOCKING CASING: NO YES KEY NO:

MONITORING WELL COMPLETION LOG

PROJECT NUMBER

899002

PROJECT NAME

ALSY

WELL NO.

MS-4

CLIENT

SUREN COMPANY

LOCATION

ALLEYWAY BETWEEN 70230 DEER AVENUE

DATE DRILLED:

6-9 SEPTEMBER 76

DATE DEVELOPED:

10 SEPTEMBER 76

WELL CONSTRUCTION COMPLETED:

9 SEPTEMBER 76

DEVELOPING METHOD:

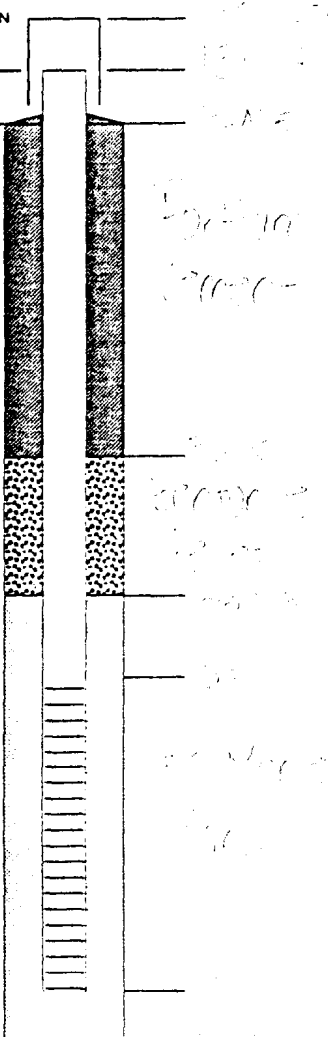
RAILER

PROTECTIVE CASING ELEVATION

CASING ELEVATION

GRADE ELEVATION

18.27'



NOT TO SCALE

INSPECTOR:

J. MORSE

DRILLING CONTRACTOR:

ADT

TYPE OF WELL:

FLASH MOUNT

STATIC WATER LEVEL:

63.37' BG

DATE:

11 SEPTEMBER 76

MEASURING POINT:

TCC

TOTAL DEPTH OF WELL:

75' BG

TOTAL DEPTH OF BORING:

70' BG

DRILLING METHOD

TYPE

HSA

DIAMETER:

4.25"

CASING:

SAMPLING METHOD

TYPE

SPUT SCREEN

DIAMETER:

3"

WEIGHT:

140 lbs

FALL:

30"

INTERVAL EVERY 5' ABOVE H2O, CONTINUOUS BELOW

RISER PIPE LEFT IN PLACE

MATERIAL:

PVC

DIAMETER:

3"

LENGTH:

60'

JOINT TYPE:

THREADED

SCREEN

MATERIAL:

PVC

INTERVAL:

75-60' BG

DIAMETER:

3"

STRATIGRAPHIC UNITS SCREENED:

UGA

SLOT SIZE:

0010

FILTER PACK

GRADE:

#2

SAND:

MURIE

GRAVEL:

NATURAL

AMOUNT:

3 BAGS (100 lbs)

INTERVAL:

3' - 4'

SEAL(s)

NOTES:

Handwritten notes in the notes section, including a sketch of a well section and some illegible text.

CHECK APPLICABLE

Portland Cement

INTERVAL

AMOUNT

Bentonite Slurry

INTERVAL

AMOUNT

Bentonite Pellets

INTERVAL

AMOUNT

Other:

INTERVAL

AMOUNT

LOCKING CASING: NO

YES

KEY NO:



LAWLER, MATUSKY & SKELLY ENGINEERS LLC

MONITORING WELL COMPLETION LOG

PROJECT NUMBER: 098000

PROJECT NAME: ALSV

WELL No.: LMS-5

CLIENT: SURREY COMPANY

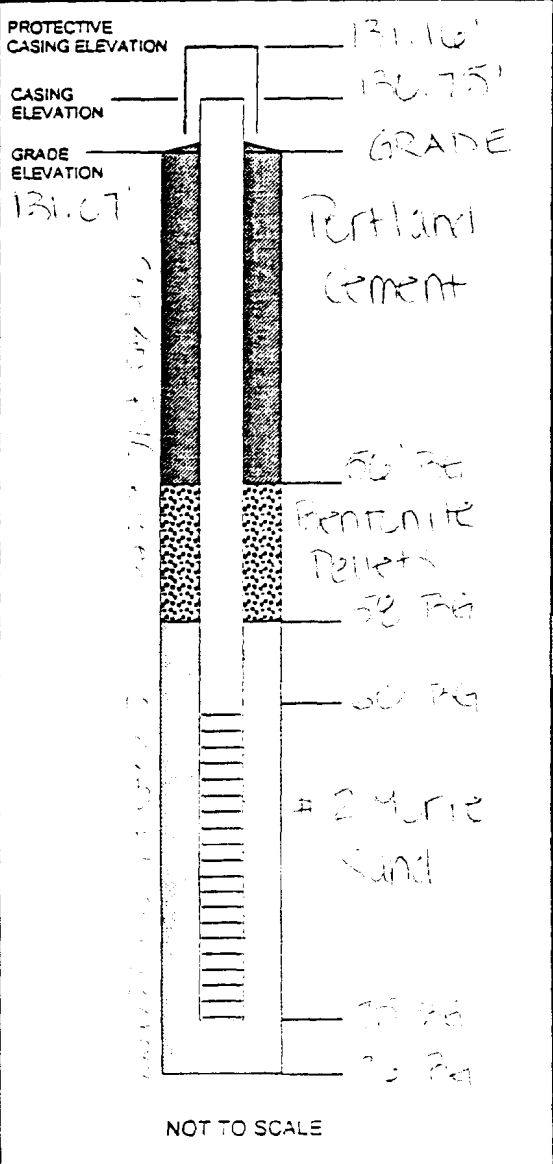
LOCATION: IN PARKING LOT BEHIND 270 DUFFIN AVENUE

DATE DRILLED: 9-10 SEPTEMBER 06

DATE DEVELOPED: 10 SEPTEMBER 06

WELL CONSTRUCTION COMPLETED: 10 SEPTEMBER 06

DEVELOPING METHOD:



INSPECTOR: F. NUJSE

DRILLING CONTRACTOR: ADT

TYPE OF WELL: FLOSH MOUNT

STATIC WATER LEVEL: 63.63' Bg

DATE: 11 SEPTEMBER 06

MEASURING POINT: TCC

TOTAL DEPTH OF WELL: 75' Bg

TOTAL DEPTH OF BORING: 76' Bg

DRILLING METHOD: HSA

TYPE: HSA

DIAMETER: 4.25"

CASING:

SAMPLING METHOD: SLUT SPOON

TYPE: SLUT SPOON

DIAMETER: 2"

WEIGHT: 46 LBS

FALL: 70'

INTERVAL: 2.0-15' ABOVE H2O; CONTIGUOUS BELOW

RISER PIPE LEFT IN PLACE

MATERIAL: PVC

DIAMETER: 2"

LENGTH: 50'

JOINT TYPE: THREADED

SCREEN

MATERIAL: PVC

INTERVAL: 50-75' Bg

DIAMETER: 2"

STRATIGRAPHIC UNITS SCREENED: 15A

SLOT SIZE: 0.075"

FILTER PACK

GRADE: #2

SAND: MOTT

GRAVEL:

NATURAL:

AMOUNT: 100 LBS

INTERVAL: 30-50' Bg

SEAL(s)

NOTES:

CHECK APPLICABLE: Portland Cement

INTERVAL: 50-75' Bg

AMOUNT: 2 BAGS

Bentonite Slurry

INTERVAL:

AMOUNT:

Bentonite Pellets

INTERVAL: 50-75' Bg

AMOUNT: 100 LBS

Other:

INTERVAL:

AMOUNT:

LOCKING CASING: NO YES KEY NO: 101

APPENDIX E
WELL SAMPLING LOGS



WELL SAMPLING LOG

METERS USED

Date: 9.12.96
 Crew: JE, JT
 Job No: 69802
 Project: ALSY
 Project Site: _____

Temp: TLC # 11
 pH: # 13
 Cond: TLC # 11
 Turb: NRT 15CE

Well ID No: LMS-1
 Well Condition: NEW
 Well Depth/Diameter: 75.20/2"
 Well Casing Type: PVC
 Screened Interval: 75-60
 Casing Ht/Lock No: Flush mount/2246
 Reference Pt: TOC
 Depth to Water (DTW): 62.69
 Water Column; Ht/Vol: 12.51 / 11.2
 Purge Est: 337 gal
 Purge Date/Time(s): 9.12.96
 Purge Method: Sub pump
 Depth(s): bottom-top screen
 Rates (gpm): 1.2 gpm
 Purged Volume: 35 gal
 DTW After Purging: 62.70

DTW Before Sampling: 62.70
 Sample Date/Time(s): 9.12.96
 Sampling Method: Bailer
 Sampling Depth(s): Top and screen
 DTW After Sampling: 62.70
 Sampling Observations: water clear
 Chain-of-Custody No(s): _____
 Analytical Lab(s): NYTEST

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	<u>14.9</u>	<u>7</u>	<u>412</u>	<u>141</u>
End	<u>15.4</u>	<u>-</u>	<u>430</u>	<u>>1000</u>

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
<u>TCL VOAS</u>		<u>-</u>	<u>N</u>
<u>1AL METALS</u>		<u>HNC3</u>	<u>N</u>
<u>2AL METALS</u>		<u>HNC3</u>	<u>Y</u>
<u>CN-</u>		<u>NACH</u>	<u>N</u>

Yield Rate: L-M-H
 Purge Observations: water silty, clearing quickly.

PURGE CHEMISTRIES

VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
<u>10</u>	<u>14.7</u>		<u>410</u>	<u>300</u>
<u>20</u>	<u>15.0</u>		<u>419</u>	<u>600</u>
<u>30</u>	<u>14.7</u>		<u>417</u>	<u>100</u>
<u>35</u>	<u>14.9</u>		<u>412</u>	<u>141</u>

Comments: LMS-1 - up gradient well.

Air Temp: _____
 Weather Conditions: _____

Crew Chief Signature: _____

Date: _____

WELL SAMPLING LOG

METERS USED

Date: 9.12.96
 Crew: JE, JT
 Job No: 609802
 Project: ALSY
 Project Site: _____

Temp: TLC # 11
 pH: #13
 Cond: TLC # 11
 Turb: DRT 15CE

Well ID No: LMS-2
 Well Condition: NEW
 Well Depth/Diameter: 72.57 / 2"
 Well Casing Type: PVC
 Screened Interval: 75-60
 Casing Ht/Lock No: Furnishment / 2246
 Reference Pt: TOC
 Depth to Water (DTW): 63.50
 Water Column; Ht/Vol: 9.07 / 7 l
 Purge Est: 60 gal 2.4 gal
 Purge Date/Time(s): 9.12.96 / 0805-0820
 Purge Method: sub pump
 Depth(s): bottom top screen
 Rates (gpm): 1-2 gpm
 Purged Volume: 25 gal
 DTW After Purging: 63.51

DTW Before Sampling: 63.51
 Sample Date/Time(s): 9.12.96
 Sampling Method: Boiler
 Sampling Depth(s): top mid screen
 DTW After Sampling: 63.52
 Sampling Observations: water silty
 Chain-of-Custody No(s): _____
 Analytical Lab(s): NYTEST

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	15.7		414	45
End	15.4		421	71000

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
TCL VOAS			N
TAL METALS		HNO ₃	N
TAL METALS		HNO ₃	Y
CN-		NaOH	N

Yield Rate: L-M-H
 Purge Observations: water orange & cloudy clearing w purging

PURGE CHEMISTRIES

VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
7	15.9		399	650
15	15.7		414	140
20	15.7		416	60
25	15.7		414	45

Comments: LMS-2 to bottom screen with boiler at 2.4 gal/min. 2 pumps @ 1.2 gpm each.

Air Temp: 63
 Weather Conditions: cloudy, cool

Crew Chief Signature: [Signature] Date: 9.12.96

WELL SAMPLING LOG

METERS USED

Date: 9-12-96
 Crew: JE, JT
 Job No: 698002
 Project: ALSY
 Project Site: _____

Temp: TLC #11
 pH: #13
 Cond: TLC #11
 Turb: DRT15CE

Well ID No: LMS-3
 Well Condition: NEW
 Well Depth/Diameter: 69.17 / 12"
 Well Casing Type: PVC
 Screened Interval: 75-60
 Casing Ht/Lock No: Flush mount/2246
 Reference Pt: TOC
 Depth to Water (DTW): 62.49
 Water Column; Ht/Vol: 6.61 / 5.9
 Purge Est: 17.8 gallons
 Purge Date/Time(s): 9-12-96 / 1208
 Purge Method: Bailer
 Depth(s): top-bottom screen
 Rates (gpm): _____
 Purged Volume: 17 gal
 DTW After Purging: 62.30

DTW Before Sampling: 62.30
 Sample Date/Time(s): 9-12-96 / 1310
 Sampling Method: Bailer
 Sampling Depth(s): top mid screen
 DTW After Sampling: 62.4
 Sampling Observations: Water silty
 Chain-of-Custody No(s): _____
 Analytical Lab(s): NYTEST

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	15.5		2280	185
End	15.7		1970	230

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
------------	----------	-------------	-------------

TCC VOL'S
 TAC METALS
 TAC METALS
 CYANIDE

Yield Rate: L/M/H
 Purge Observations: water silty, clearing slightly

PURGE CHEMISTRIES

VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
5	15.8		2960	250
10	15.4		2040	225
15	15.5		2230	185

Comments: _____

Air Temp: _____
 Weather Conditions: _____

Crew Chief Signature: _____ Date: 9-12-96

WELL SAMPLING LOG

Date: 9.11.96
 Crew: JE, JT
 Job No: 698 002
 Project: ALSY
 Project Site: _____

METERS USED

Temp: TLC # 11
 pH: # 13
 Cond: TLC # 11
 Turb: DRT 15 CE

Well ID No: LMS-4
 Well Condition: NEW
 Well Depth/Diameter: 75' / 2" 72.85
 Well Casing Type: PVC
 Screened Interval: 75 - 60
 Casing Ht/Lock No: Flush mount / 2746
 Reference Pt: TOC
 Depth to Water (DTW): 63.37
 Water Column; Ht/Vol: 9.48'
 Purge Est: 15.46 x 3 = 46.4 gal
 Purge Date/Time(s): 9.11.96 /
 Purge Method: Sub pump
 Depth(s): top - bottom column
 Rates (gpm): 2 gpm
 Purged Volume: 30 gal
 DTW After Purging: 63.38

DTW Before Sampling: 63.38
 Sample Date/Time(s): 9.11.96 /
 Sampling Method: Bailer
 Sampling Depth(s): top - mid screen
 DTW After Sampling: 63.38
 Sampling Observations: water cloudy
 Chain-of-Custody No(s): _____
 Analytical Lab(s): NYTEST

Yield Rate: L-MFH
 Purge Observations: water silty-orange. clearing slightly.

PURGE CHEMISTRIES

VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
10	16.7	8.2	376	125
20	16.7	8.2	376	125
30	16.7	8.2	376	125

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	16.7	8.2	376	125
End	16.7	8.1	363	>1000

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
TCL VOCs			N
TAL METALS		HNO ₃	N
TAL METALS		HNO ₃	Y
CN -		NACH	N

Comments: LMS-4 1st water in well brown 22' 2nd water clear.

Air Temp: ~70's
 Weather Conditions: cool, cloudy

Crew Chief Signature: _____ Date: 9.11.96

WELL SAMPLING LOG

METERS USED

Date: 9-11-96
 Crew: JE/JT
 Job No: 008002
 Project: ALSY
 Project Site: _____

Temp: TLC #11
 pH: #13
 Cond: TLC #11
 Turb: DRT 15 CE

Well ID No: LMS-5
 Well Condition: NEW
 Well Depth/Diameter: 2" / 75.00'
 Well Casing Type: PVC
 Screened Interval: 75-60'
 Casing Ht/Lock No: - / 2246
 Reference Pt: TOC
 Depth to Water (DTW): 62.63
 Water Column; Ht/Vol: 12.37 / 11.1
 Purge Est: 33.3 gal.

DTW Before Sampling: 62.64
 Sample Date/Time(s): 9-11-96/
 Sampling Method: Beuler
 Sampling Depth(s): top-middle section
 DTW After Sampling: 62.64
 Sampling Observations: water clear
 Chain-of-Custody No(s): _____
 Analytical Lab(s): _____

Purge Date/Time(s): 9-11-96/
 Purge Method: sub. pump
 Depth(s): top-bottom column
 Rates (gpm): 2.0 gpm
 Purged Volume: 35 gal
 DTW After Purging: 62.64

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	15.4	7.9	808	105
End	15.2	8.1	783	430

Yield Rate: L-M-H
 Purge Observations: water still clear

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
TCL WA6			N
TAL METALS		HNO ₃	N
TAL METALS		HNO ₃	Y
CN-		NaOH	N

PURGE CHEMISTRIES

VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
5	15.7	8.2	840	> 1000
15	15.4	7.9	800	> 1000
25	15.4	7.9	802	200
35	15.4	7.9	806	105

FIELD BLANK collected

Comments: LMS-5 water meter not working
Casey Sys

Air Temp: 70s
 Weather Conditions: cool, cloudy

Crew Chief Signature: _____

Date: 9-11-96

WELL SAMPLING LOG

METERS USED

Date: 9-11-96
 Crew: JE/JT
 Job No: 699002
 Project: ALSY
 Project Site: ALSY MANUFACTURING

Temp: TLC #11
 pH: #13
 Cond: TLC #11
 Turb: DRT15CE

Well ID No: MW-3
 Well Condition: Cap covered with mud. otherwise in good condition
 Well Depth/Diameter: 71.24 / 4"
 Well Casing Type: PVC
 Screened Interval: —
 Casing Ht/Lock No: —
 Reference Pt: TOC
 Depth to Water (DTW): 62.18
 Water Column; Ht/Vol: 9.08 /
 Purge Est: 60 gal

DTW Before Sampling: 62.19
 Sample Date/Time(s): 9-11-96/0900
 Sampling Method: Baller
 Sampling Depth(s): top of column - mid column
 DTW After Sampling: 62.19
 Sampling Observations: water clear cloudy 11:45
 Chain-of-Custody No(s):
 Analytical Lab(s): NYTEST

Purge Date/Time(s): 9-11-96/0805-0835
 Purge Method: Sub. pump
 Depth(s):
 Rates (gpm): 2 gpm
 Purged Volume: 60 gal
 DTW After Purging: 62.19

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	15.1	7.7	1095	3.40
End	15.2	7.0	1090	5.50

Yield Rate: L-M-H
 Purge Observations: WATER CLEAR 21

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
TCL VOCs		—	N
TAL METALS		HNO3	N
TAL METALS		HNO3	Y
CIV-		NACH	N

PURGE CHEMISTRIES

VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
10	15.1	6.5	1093	28.5
20	15.0	7.3	1093	9.8
30	15.1	7.7	1095	4.50
40	15.0	7.1	1096	3.75
50	15.1	7.7	1097	3.50
60	15.1	7.1	1095	3.40

Comments: Well is located under
damaged sewer cap in relation to
SI 210. Dirty by JT

Air Temp: 70's
 Weather Conditions: cloudy cool

Crew Chief Signature: [Signature]

Date: 9-11-96

WELL SAMPLING LOG

METERS USED

Date: 9-10-94
 Crew: ST/JM
 Job No: 698-002
 Project: Alsy
 Project Site: _____

Temp: TLC #11
 pH: #12
 Cond: TLC #11
 Turb: NRT15CE

Well ID No: AMS-2
 Well Condition: NO Cap on back
 Well Depth/Diameter: 71.2 / 4"
 Well Casing Type: 4" PVC
 Screened Interval: —
 Casing Ht/Lock No: —
 Reference Pt: TOC
 Depth to Water (DTW): 61.82
 Water Column; Ht/Vol: 9.28 / 15.75
 Purge Est: 47.3
 Purge Date/Time(s): 9/10/94 / 1430
 Purge Method: grinder pump
 Depth(s): — 2' off bottom
 Rates (gpm): 2.5 gpm
 Purged Volume: 60 gal
 DTW After Purging: 61.82

DTW Before Sampling: 61.82
 Sample Date/Time(s): 9-10-94 / 1515
 Sampling Method: Bailer
 Sampling Depth(s): Top of column
 DTW After Sampling: 61.32
 Sampling Observations: water cloudy with bailer
 Chain-of-Custody No(s): _____
 Analytical Lab(s): _____

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	9.3	7.3	—	27
End	9.6	7.3	—	83

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
TCL VOCs		None	N
TAL Metals		HNO ₃	N
TAL Metals		HNO ₃	Y
CU ⁻		NaOH	N

PURGE CHEMISTRIES

VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
10	10.3	7.3	↓	8
20	7.0	7.2		5
30	7.2	7.3		4
40	7.3	7.2		3.5
50	7.3	7.3		3
60	7.9	7.3		3

Comments: Cond. meter not working. Sent for backup.

Air Temp: 86°
 Weather Conditions: Sunny

Crew Chief Signature: _____

Date: 9-10-94

WELL SAMPLING LOG

METERS USED

Date: 9-10-96
 Crew: JEM/JET
 Job No: 698007
 Project: ALSY
 Project Site: _____

Temp: 6.7
 pH: 6.8
 Cond: 049
 Turb: 252

Well ID No: AMS-1
 Well Condition: Good, cover broken
 Well Depth/Diameter: 71.52 / 4"
 Well Casing Type: PVC
 Screened Interval: ?
 Casing Ht/Lock No: ?
 Reference Pt: TOC
 Depth to Water (DTW): 61.10
 Water Column; Ht/Vol: 10.42 / 17.5
 Purge Est: 52.5 gallons
 Purge Date/Time(s): 9-10-96 / 1130
 Purge Method: Grubbs pump
 Depth(s): bottom
 Rates (gpm): 2 gpm
 Purged Volume: 60 gallons
 DTW After Purging: 61.25

DTW Before Sampling: 61.10
 Sample Date/Time(s): 9-10-96 / 1240
 Sampling Method: Teflon Dri-ler
 Sampling Depth(s): Top of column
 DTW After Sampling: 61.10
 Sampling Observations: water clear, strong
 Chain-of-Custody No(s): 5111
 Analytical Lab(s): NYTEST

SAMPLE CHEMISTRIES

	Temp. (°C)	pH	Sp. Cond.	Turb.
Start	<u>6.7</u>	<u>6.8</u>	<u>049</u>	<u>252</u>
End	<u>6.4</u>	<u>6.9</u>	<u>056</u>	<u>128</u>

SAMPLE ANALYSES

Parameters	Inv. No.	Pres. Meth.	Filt. (Y/N)
<u>TOC</u>		<u>T</u>	<u>N</u>
<u>NO3</u>		<u>N</u>	<u>N</u>
<u>NO2</u>		<u>N</u>	<u>N</u>
<u>Ammonia</u>		<u>N</u>	<u>N</u>

Yield Rate: L-M(H)
 Purge Observations: AMS-1 located on western border of site adjacent to AMS sheds with steady flow during

PURGE CHEMISTRIES

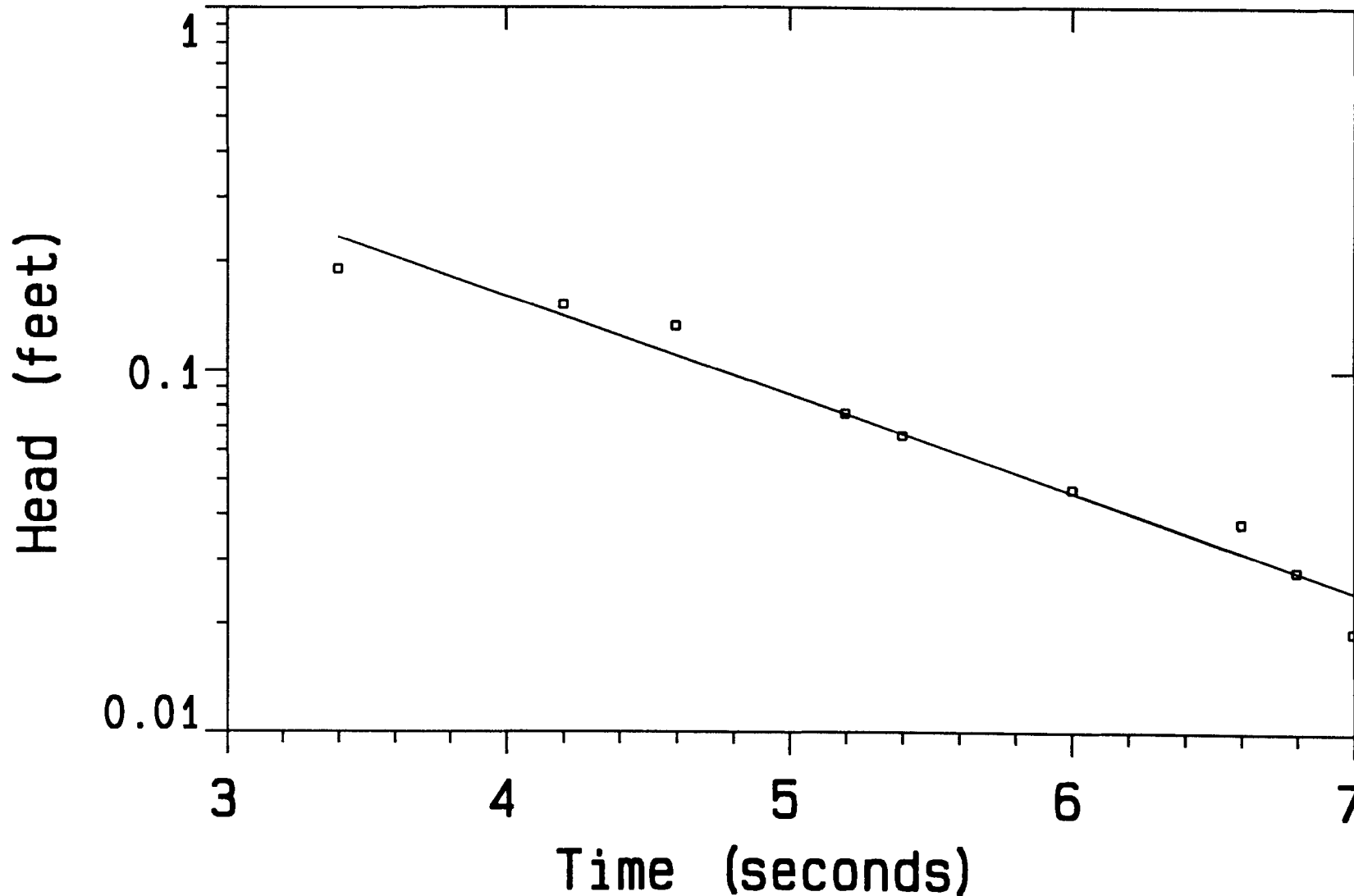
VOL.	TEMP. (°C)	pH	SP. COND.	TURB.
<u>10</u>	<u>9.0</u>	<u>6.5</u>	<u>077</u>	<u>52</u>
<u>20</u>	<u>12.6</u>	<u>6.7</u>	<u>081</u>	<u>18</u>
<u>30</u>	<u>3.5</u>	<u>6.7</u>	<u>081</u>	<u>14</u>
<u>40</u>	<u>8.9</u>	<u>7.1</u>	<u>059</u>	<u>22</u>
<u>50</u>	<u>6.9</u>	<u>6.9</u>	<u>060</u>	<u>17</u>
<u>60</u>	<u>7.8</u>	<u>7.6</u>	<u>073</u>	

Air Temp: ?
 Weather Conditions: clear, 20-25

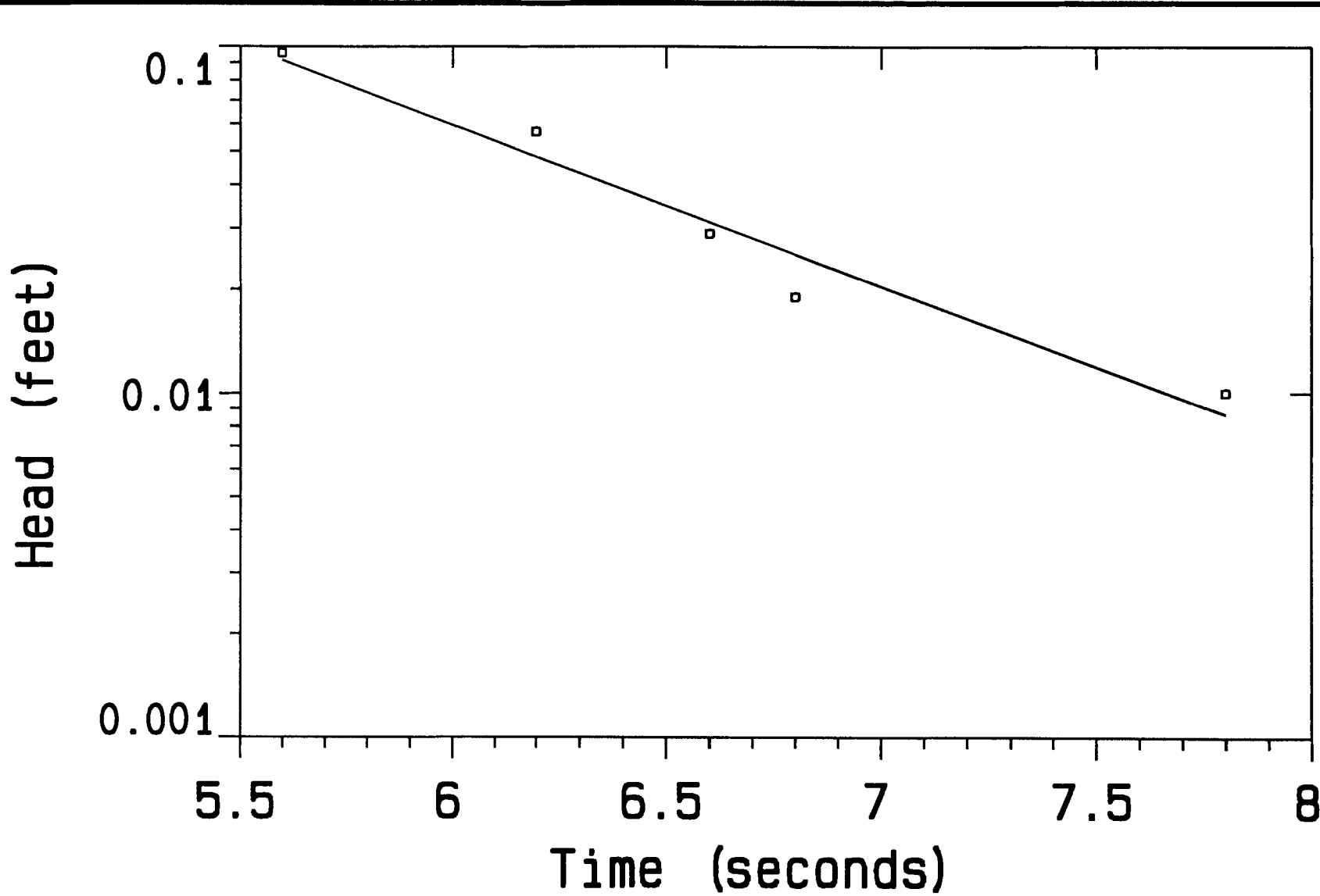
Crew Chief Signature: _____ Date: _____

APPENDIX F
SLUG TEST DATA

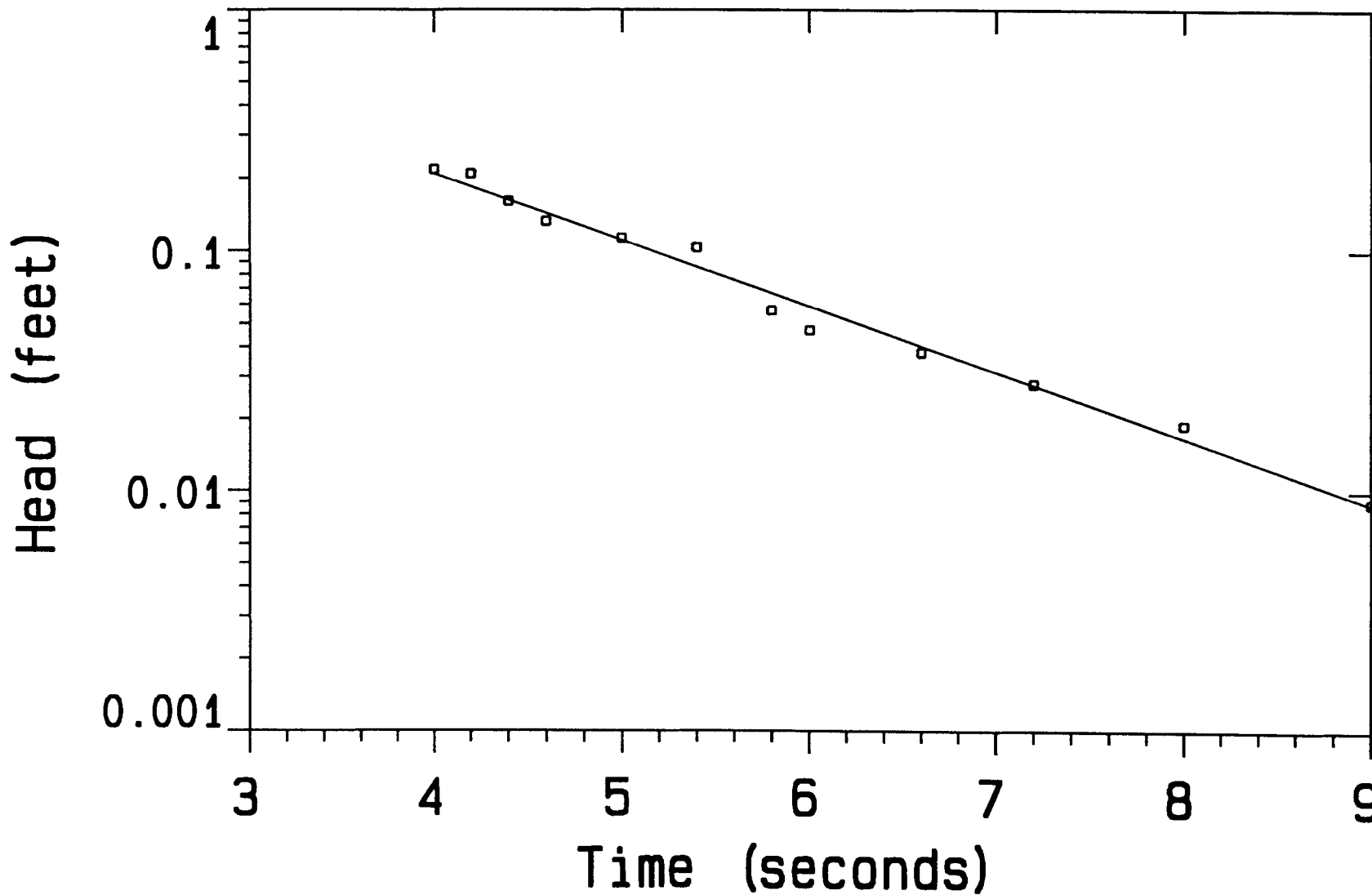




MODEL TYPE: BOUWER and RICE		for: Surrey Company	Well Slug Test Data
CONDUCTIVITY: 64.14 ft/day		by: LMS Engineers	
TRANSMISSIVITY: 6414. sq. ft/day		WELL DATA: Units: ft	Well: AMS-1 Aly Manufacturing Site Hicksville, New York
INITIAL HEAD: .190 ft		AQUIFER: Upper Glacial Aquifer	
Data Set: AMS-10UT		THICKNESS: 100.0	
Date: 13-SEPT-96		SCREEN: top: 61.52 base: 71.52	
		DIAMETER: casing: .3355 intake: 1.000	
		DEPTH: Water Table: 61.17 TD: 71.52	



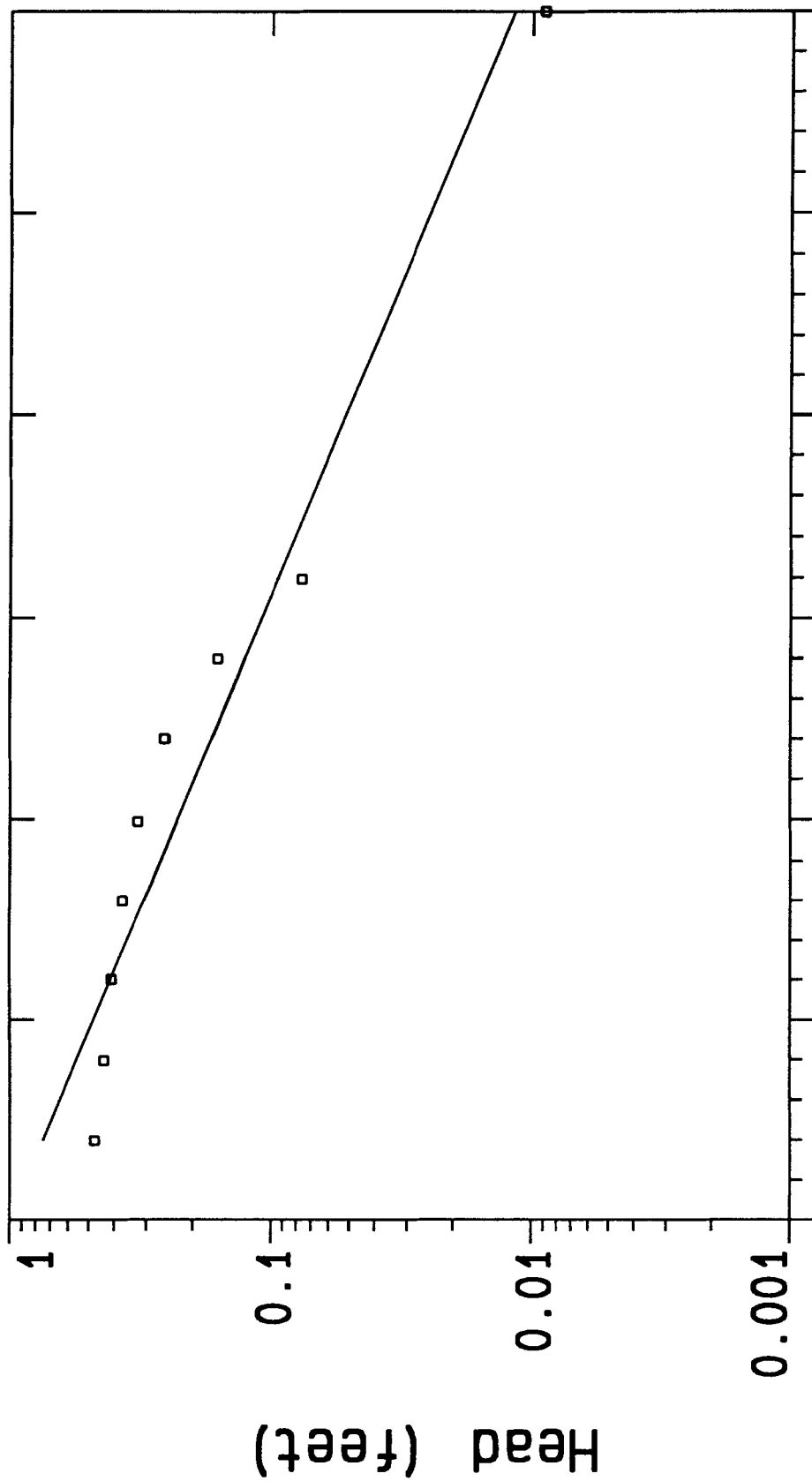
MODEL TYPE: BOUWER and RICE CONDUCTIVITY: 71.45 ft/day TRANSMISSIVITY: 7145. sq. ft/day INITIAL HEAD: .115 ft		for: Surrey Company by: LMS Engineers	Well Slug Test Data Well: AMS-2 Alsy Manufacturing Site Hicksville, New York
Data Set: AMS-20UT Date: 13-SEPT-96	WELL DATA: Units: ft AQUIFER: Upper Glacial Aquifer THICKNESS: 100.0 SCREEN: top: 61.20 base: 71.20 DIAMETER: casing: .3355 intake: 1.000 DEPTH: Water Table: 61.71 ID: 71.20		



MODEL TYPE: BOUWER and RICE
 CONDUCTIVITY: 75.77 ft/day
 TRANSMISSIVITY: 7577. sq. ft/day
 INITIAL HEAD: .218 ft
 Data Set: MW-30UT Date: 13-SEPT-96

for: **Surrey Company**
 by: **LMS Engineers**
 WELL DATA: Units: ft
 AQUIFER: Upper Glacial Aquifer
 THICKNESS: 100.0
 SCREEN: top: 61.24 base: 71.24
 DIAMETER: casing: .3355 intake: 1.000
 DEPTH: Water Table: 62.24 TD: 71.24

Well Slug Test Data
Well: MW-3
 Also Manufacturing Site
 Hicksville, New York



Time (seconds)

MODEL TYPE: BOWER and RICE

CONDUCTIVITY: 30.86 ft/day
 TRANSMISSIVITY: 3086. sq. ft/day
 INITIAL HEAD: .475 ft

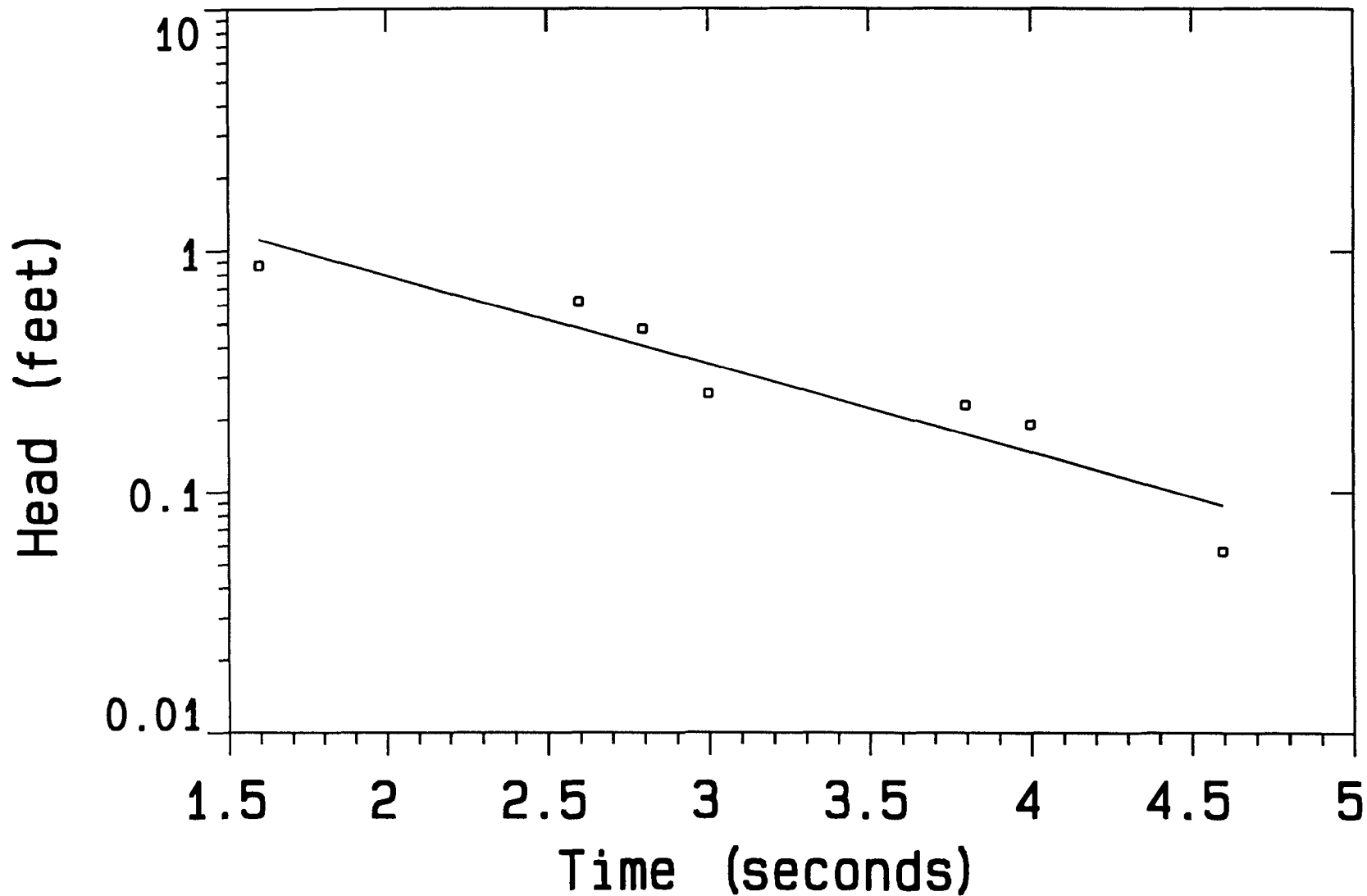
Data Set: LMS-10UT Date: 13-SEPT-96

for: Surrey Company
 by: LMS Engineers

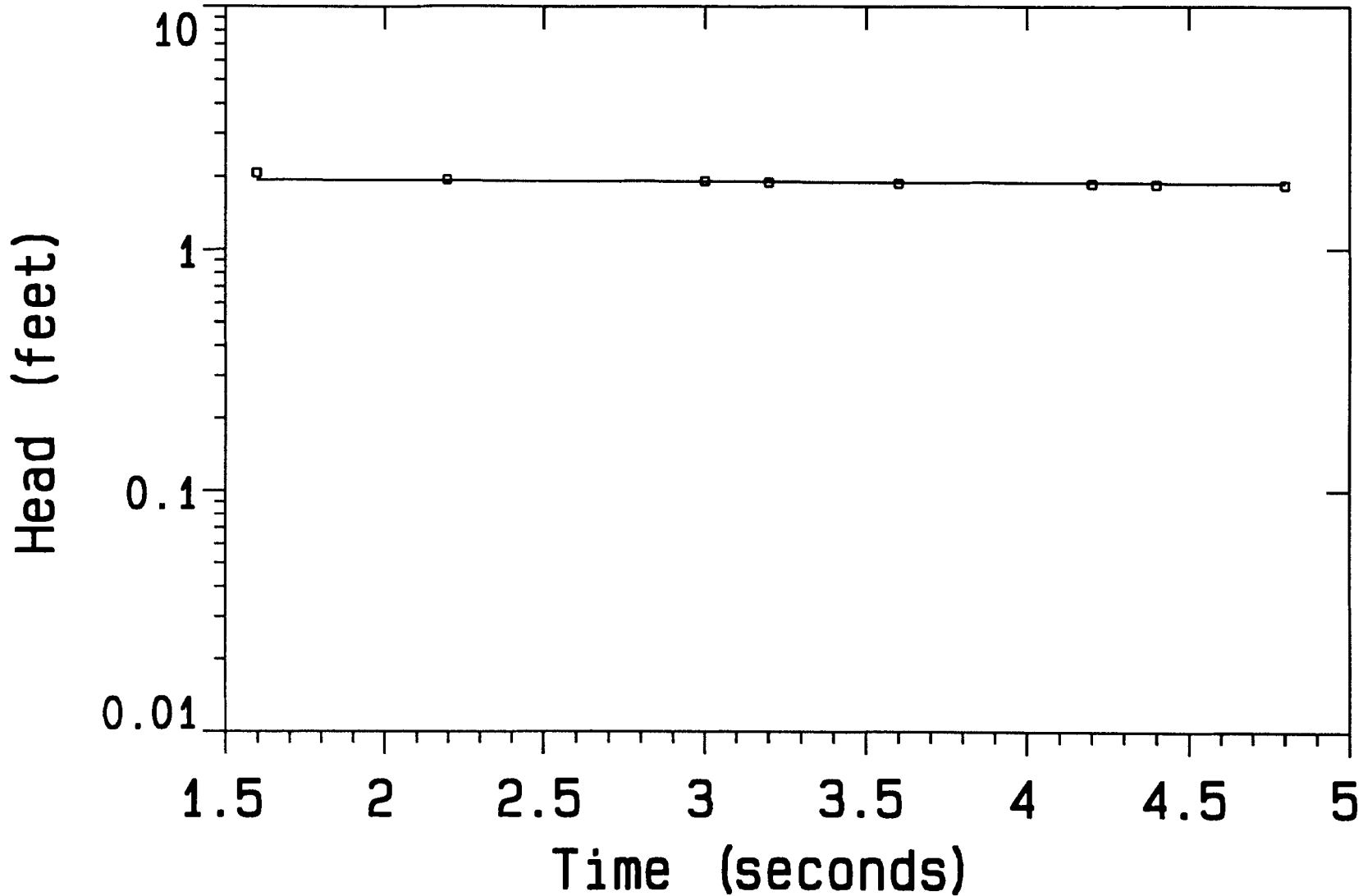
WELL DATA: Units: ft
 AQUIFER: Upper Glacial Aquifer
 THICKNESS: 100.0
 SCREEN: top: 60.00 base: 75.00
 DIAMETER: casing: .1720 intake: .6660
 MFPTH: water Table: 62 70 IQ: 75.00

Well Slug Test Data

Well: LMS-1
 Also Manufacturing Site
 Hicksville, New York



MODEL TYPE: BOUWER and RICE CONDUCTIVITY: 24.71 ft/day TRANSMISSIVITY: 2471. sq. ft/day INITIAL HEAD: .874 ft		for: Surrey Company by: LMS Engineers	Well Slug Test Data Well: LMS-2 Also Manufacturing Site Hicksville, New York
Data Set: LMS-20UT	Date: 13-SEPT-96	WELL DATA: Units: ft AQUIFER: Upper Glacial Aquifer THICKNESS: 100.0 SCREEN: top: 60.00 base: 75.00 DIAMETER: casing: .1720 intake: .6660 DEPTH: Water Table: 63.40 TD: 75.00	



MODEL TYPE: BOUWER and RICE

CONDUCTIVITY: .4504 ft/day

TRANSMISSIVITY: 45.04 sq. ft/day

INITIAL HEAD: 2.07 ft

for: **Surrey Company**

by: **LMS Engineers**

WELL DATA: Units: ft

AQUIFER: Upper Glacial Aquifer

THICKNESS: 100.0

SCREEN: top: 60.00 base: 75.00

DIAMETER: casing: .1720 intake: .6660

DEPTH: Water Table: 66.07 TD: 75.00

Well Slug Test Data

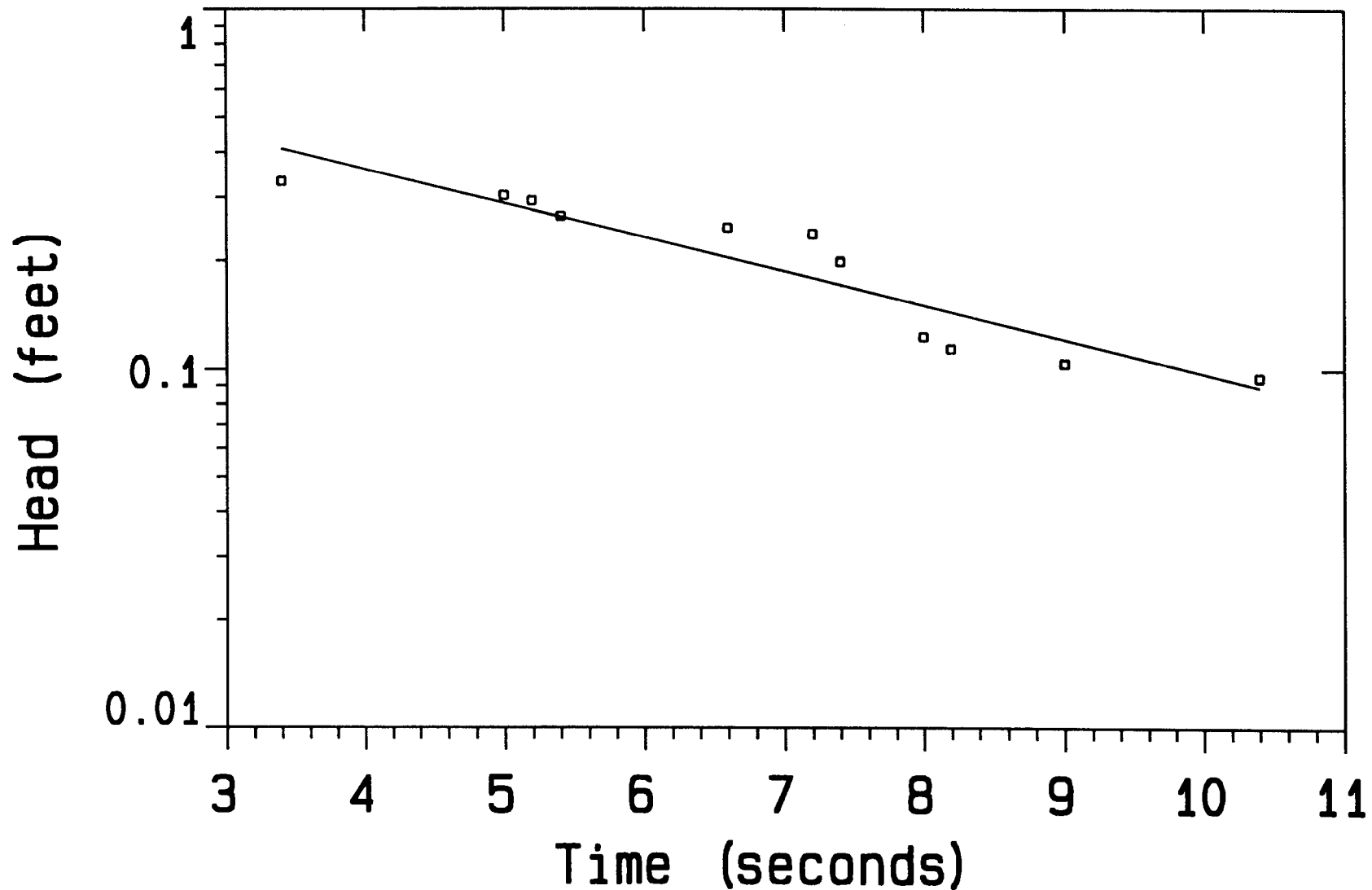
Well: LMS-3

Alsly Manufacturing Site

Hicksville, New York

Data Set: LMS-30UT

Date: 13-SEPT-96



MODEL TYPE: BOUWER and RICE

CONDUCTIVITY: 6.242 ft/day

TRANSMISSIVITY: 624.2 sq. ft/day

INITIAL HEAD: .332 ft

Data Set: LMS-40UT

Date: 13-SEPT-96

for: **Surrey Company**

by: **LMS Engineers**

WELL DATA: Units: ft

AQUIFER: Upper Glacial Aquifer

THICKNESS: 100.0

SCREEN: top: 60.00 base: 75.00

DIAMETER: casing: .1720 intake: .6660

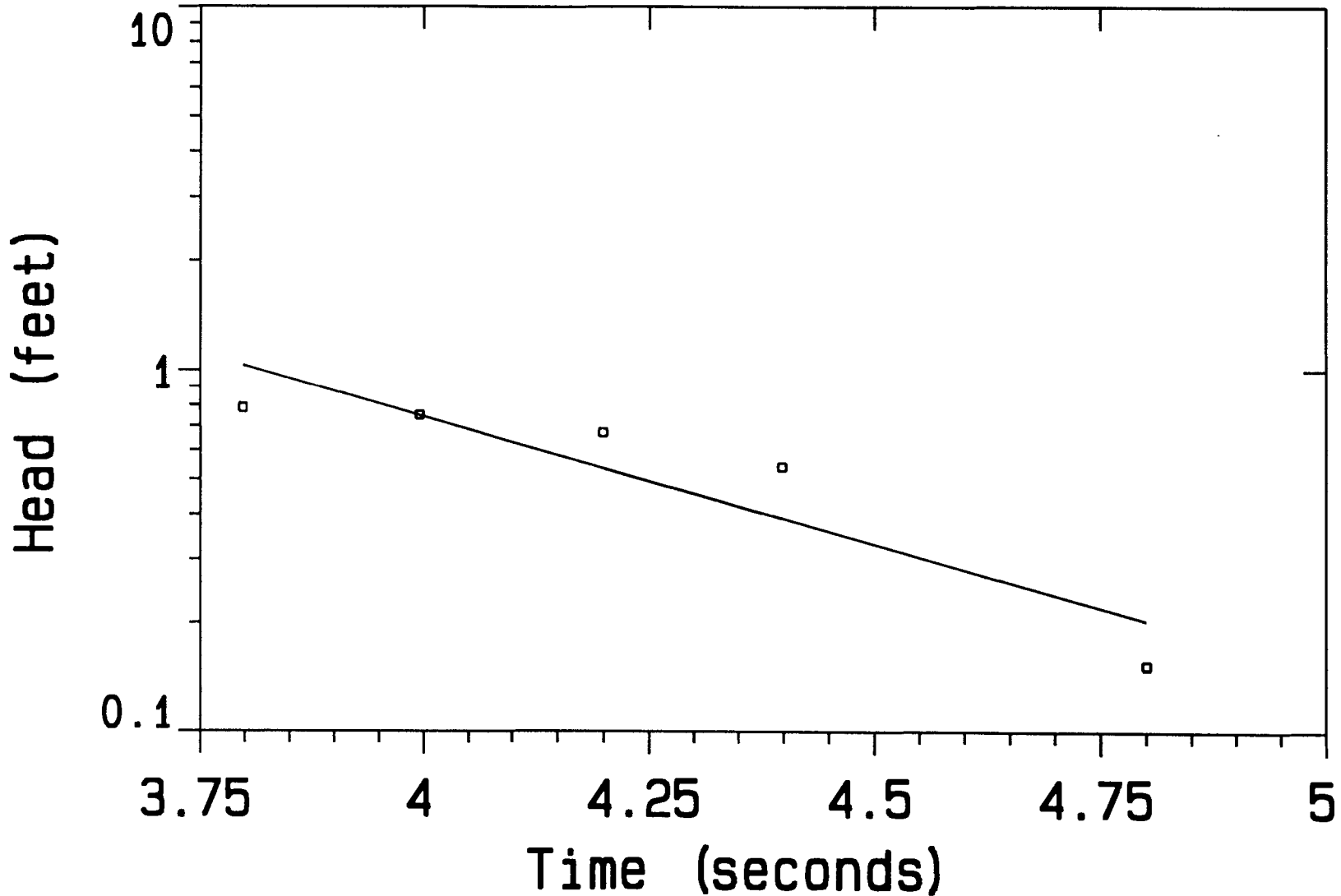
DEPTH: Water Table: 63.40 TD: 75.00

Well Slug Test Data

Well: LMS-4

Alsly Manufacturing Site

Hicksville, New York



MODEL TYPE: BOUWER and RICE CONDUCTIVITY: 19.55 ft/day TRANSMISSIVITY: 1955. sq. ft/day INITIAL HEAD: 1.32 ft		for: Surrey Company by: LMS Engineers	Well Slug Test Data Well: LMS-5 Alsy Manufacturing Site Hicksville, New York
Data Set: LMS-50UT Date: 13-SEPT-96	WELL DATA: Units: ft AQUIFER: Upper Glacial Aquifer THICKNESS: 100.0 SCREEN: top: 60.00 base: 75.00 DIAMETER: casing: .1720 intake: .6660 DEPTH: Water Table: 62.64 TO: 75.00		

APPENDIX G

DATA USABILITY AND DATA VALIDATION REPORTS



DATA USEABILITY REPORT

This useability report covers the analytical results, submitted by Nytest Environmental, Inc. (Nytest), for the field sampling investigation, conducted by Lawler, Matusky & Skelly Engineers LLP (LMS) between 26 June 1996 and 24 July 1996 at the Alsy Manufacturing site. The analytical reports submitted by Nytest, sample designation groups (SDG) ALSY5, ALSY6, ALSY7, ALSY8, ALSY9, ALSY10 and ALSY11 were validated by Data Validation Services (DVS). LMS reviewed the data validator's final report and assessed the analytical data against the project data quality objectives (DQOs) in preparation of this report. The laboratory performed all of the necessary actions in order to provide the most representative data and where resulting quality control (QC) data did not fall within protocol requirements the reported data were appropriately qualified. Overall, the majority of the data submitted by Nytest met the project DQOs and are useable to characterize the levels of environmental contaminants in samples collected from the Alsy Manufacturing site.

A total of nineteen (19) probe soil samples were collected and processed for contract laboratory program (CLP) target compound list (TCL) volatile organic compounds (VOCs) and target analyte list (TAL) metals and cyanide. A total of seven (7) probe water samples were collected and processed for CLP TCL VOCs and TAL metals and cyanide. In addition, twenty (20) probe soil samples were submitted to Nytest and processed for toxicity characteristic leaching procedure (TCLP) and the resulting extracts analyzed for Resource Conservation and Recovery Act (RCRA) metals. All of the analyses were conducted in accordance with the most recent version of New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP).

In general the analytical data submitted by Nytest were compliant with the established protocols, however in several instances the reported data were noncompliant, each of those instances are described in the data validator's report. LMS has prepared this useability report to discuss any impacts that noncompliant data and other quality control (QC) issues raised by the data validator have on the useability of the reported results.

Probe Water Samples

Volatile Analyses

Probe water samples submitted to Nystest were analyzed for TCL VOCs in accordance with NYSDEC ASP Method 91-1. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. Establishment of calibration curves from initial calibration standards was not performed as required by the protocol and as a result instrument linearity was questionable. Accordingly, the related analytical results were found noncompliant by the data validator. No qualifier was recommended by the data validator for the affected samples. LMS finds the data useable as reported by the laboratory.

2. Methylene chloride and acetone were detected in certain of the associated method blanks and trip blank at concentrations similar to those reported in the samples. The presence of these compounds are considered the result of laboratory cross contamination. Therefore, the values reported by the laboratory are not considered representative of the samples analyzed and are not included in the data summary tables.

3. Due to depressed recoveries of calibration standards, the concentration of certain compounds should be considered estimated, possibly biased low in the associated samples as follows:

Tetrachloroethene in TB-03 and GP2GW;

Chloromethane in FB-01, GP-8GW, GP13GW, OCB7GW and DGP66.

The affected results are usable to show the relative magnitude of these compounds in the samples analyzed.

4. Matrix spike and matrix spike duplicate recoveries were acceptable. Slightly elevated recoveries of 1,1-dichloroethane do not influence the usability of the related data.

Metals and Cyanide Analyses

Probe water samples submitted to Nystest were analyzed for TAL metals and cyanide in accordance with methodologies of NYSDEC ASP CLP Inorganics and 335.2, respectively. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. Holding time for mercury analysis was exceeded for both the unfiltered and filtered sample GP-2GW(66-70). Both samples were analyzed at 36 days after verified time of sample receipt (VTSR) and accordingly mercury results in these samples should be considered estimated, possibly biased low. Results reported as undetected are not usable to indicate that mercury is not present in these samples. However, the results can be used to demonstrate that elevated levels do not exist.
2. Certain target analytes were detected in the related field blanks as well as in several probe water samples. Since detection in the samples was less than five times the blank level, the data validator rejected these data as follows:

Iron, sodium and zinc in filtered sample GP-13GW(66-70),

Copper, sodium, magnesium, potassium and zinc in samples GP-8GW(66-70), GP-13GW(66-70) and OCB-7GW(66-70) - [GP7GW is an erroneous listing];

Mercury, zinc and iron in filtered samples GP-2GW(66-70) and DGP-2GW(68-70),

Sodium and zinc in filtered samples GP-8GW(66-70) and OCB-7GW(66-70) [see comment above],

Mercury and zinc in sample GP-2GW(66-70),

Mercury in DGP-2GW(68-70).

They are useable to show that levels did not exceed five times the values detected in the blank. Five times the blank concentrations should be the new detection limits for these analytes.

3. The analytical results were reviewed by the data validator and reassessed based on the associated project specific QC information (spike, duplicate and serial dilution). Qualification was based on associated total aqueous fraction versus the dissolved fraction where it was possible. As a result of this reevaluation, the data validator recommended application of "J", estimated, and "R", rejected, qualifiers to the affected samples instead of using the batch QC related qualifiers "N", "*" (or "R"), and "E", reported by the laboratory. (See the attached data validation report for the affected samples. Table C, Correlation of Probe Sample Identifications, is also attached to provide cross-reference of laboratory and LMS sample identifications for this report.)

Estimated results are useable to show the relative magnitude of contamination in the associated samples. Nondetects can not be used to indicate that contamination is not present in the affected samples. Samples where the data validator has recommended the results be rejected are usable to show that elevated levels were not present in the samples analyzed by Nytest. They are not useable to establish that these analytes do not exceed applicable criteria.

4. Due to low recovery of CRI standard (2xCRDL concentration) the reported lead results for both filtered and unfiltered samples OCB-7GW(66-70) should be considered estimated, possibly biased slightly low, however can be used to demonstrate the relative magnitude of contamination detected.

5. The data validator denoted several instances of noncompliance with protocol in the mercury analytical sequences. No qualifier was recommended and the associated results are usable as reported.

Probe Soil Sample

Volatile Analyses

Probe soil samples submitted to Nytest were analyzed for TCL VOCs in accordance with NYSDEC ASP Method 91-1. Where reported values are affected by QC issues raised by the data validator the data useability is discussed below.

1. Establishment of calibration curves from initial calibration standards was not performed as required by the protocol and as a result instrument linearity was questionable. Accordingly, the related analytical results were found noncompliant by the data validator. No qualifier was recommended by the data validator for the affected data. LMS finds the data useable as reported by the laboratory.
2. VOC results should be considered estimated, biased low for sample OCB-6(4-8) which was analyzed six (6) days beyond the protocol required holding time. The results are useable to demonstrate the relative magnitude of contamination present in the sample. Sample DGP-1(22-24) was analyzed one day beyond the allowed holding time but within the technical holding time (nine [9] days from sample collection). LMS finds the results are useable without qualification.
3. Methylene chloride and acetone were detected in certain of the associated method blanks and trip blank at concentrations similar to those reported in the samples. The presence of these compounds are considered the result of laboratory cross contamination. Therefore, the values reported by the laboratory are not considered representative of the samples analyzed and are not included in the data summary table.
4. Due to depressed recoveries of calibration standards, the concentration of chloromethane should be considered estimated, possibly biased low in the associated samples as follows:

Samples GP-1(10-12), GP-2(10-12), OCB-1(4-8) and OCB-3(22-24).

The affected results are usable to show the relative magnitude of these compounds in the samples analyzed.

5. Matrix spike and matrix spike duplicate recoveries were acceptable.

Metals and Cyanide Analyses

Probe soil samples submitted to Nytest were analyzed for TAL metals and cyanide in accordance with methodologies of NYSDEC ASP CLP Inorganics and 335.2, respectively. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. Holding time for mercury analysis was exceeded for sample GP-5(0-4). The sample was analyzed at 35 days after VTSR and accordingly mercury result in this sample should be considered estimated, possibly biased low. Nondetection reported in sample GP-5(0-4) is not usable to indicate that mercury is not present in this sample. The result is useable to demonstrate the relative magnitude of mercury present.

2. Holding time for cyanide analyses of samples OCB-6(4-8), GP-6(0-4) and GP-7(0-4) was slightly exceeded and did not necessitate any qualification for the reported data. Therefore, the results are useable as reported by the laboratory.

3. The analytical results associated with soil samples received by the laboratory between 28 June 1996 and 23 July 1996 were reviewed by the data validator and reassessed based on the associated project specific QC information (spike, duplicate and serial dilution). As a result of this reevaluation, the data validator recommended application of "J", estimated, and "R", rejected, qualifiers to the affected samples instead of using the batch QC related qualifiers "N", "*" (or "R"), and "E", reported by the laboratory. (See the attached data validation report for the affected samples. Table C, Correlation of Probe Sample Identifications, is also attached to provide cross-reference of laboratory and LMS sample identifications for this report.)

Estimated results are useable to show the relative magnitude of contamination in the associated samples. Nondetects can not be used to indicate that contamination is not present in the affected samples. Samples where the data validator has recommended the results be rejected are useable to show that elevated levels were not present in the samples affected. They are not useable to establish that these analytes do not exceed applicable criteria.

4. Analytical sequences for cyanide QC samples were noncompliant with protocol and accordingly the result for cyanide in sample DGP-3(0-4) is considered estimated, but useable to demonstrate the relative magnitude of contamination present.

5. Due to elevated recovery of CRI standard (2xCRDL) the reported lead results for samples GP-2(10-12), GP-3(10-12), OCB-1(4-8), OCB-3(22-24) and OCB-6(4-8) should be considered estimated, possibly biased high. They are useable to demonstrate the relative magnitude of lead in each of the samples.

6. The data validator denoted several instances of noncompliance with protocol in the mercury analytical sequences. No qualifier was recommended and the associated results are usable as reported by the laboratory.

TCLP - RCRA Metals Analysis

Twenty (20) probe soil sample submitted to Nytest were processed in accordance with the TCLP Method 1311 and the resulting leachates analyzed for RCRA metals. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. No mercury results were reported for six (6) of the samples in SDG ALSY5.

2. Analyses of leachates for mercury in samples associated with SDGs ALSY7 and ALSY9 were performed slightly beyond the protocol holding time of 28 days from VTSR (1995 ASP update) and the reported mercury results are considered estimated, possibly biased low. They are useable to show the relative magnitude of mercury in the samples.

3. Due to low recoveries of CRI standard the reported selenium results in leachates CB-3(0-4), GP-1(4-8), OCB-1(10-12), OCB-3(10-12), OCB-6(10-12) and OCB-7(4-8) are considered estimated, possible biased low. They are useable to show the relative magnitude of selenium present in the samples. Undetected values when estimated are not suitable to demonstrate that selenium is not present in the affected samples.

4. Due to the presence of cadmium in the preparation blank associated with sample OCB-4(10-12) and OCB-5(0-4), rejection of reported results is recommended by the data validator. Therefore, the cadmium results have been edited to reflect a detection limit of five times that detected in the preparation blank (0.00844 mg/l). Accordingly, the reported cadmium results were changed to undetected. The affected results are useable to show that cadmium was not detected in samples OCB-4(10-12) and OCB-5(0-4) at a concentration that exceeds the regulatory level of 1.0 mg/l and to indicate the relative magnitude of cadmium in the TCLP leachates.

5. Due to the presence of lead in the preparation blank associated with samples GP-10(0-4), GP-11(4-8), GP-12(0-4) and GP-13(8-10) rejection of reported result for sample GP-13(8-10) is recommended by the data validator. Therefore, the lead results have been edited to reflect a detection limit of five times that detected in the preparation blank (0.0197 mg/l). Accordingly, the reported cadmium result in sample GP-13(8-10) was changed to undetected and should be considered estimated in the samples GP-10, GP-11 and GP-12, respectively. The affected results are useable to demonstrate that lead was not detected at concentrations that exceed the regulatory level of 5.0 mg/l and to indicate the relative magnitude of lead in each of the leachates.

6. Matrix spike recoveries, duplicate correlations and serial dilution correlations were acceptable. Duplicate recovery of selenium was slightly elevated but related sample results are not affected.

Table C

CORRELATION OF PROBE SAMPLE IDENTIFICATIONS

Alsy Manufacturing Site

DATE SAMPLE RECEIVED	NEI SDG No.	NEI SAMPLE ID	LMS SAMPLE ID	MATRIX
6/28/96	ALSY 5	GP110	GP-1(10-12)	SOIL
6/28/96	ALSY 5	OCB148	OCB-1(4-8)	SOIL
6/29/96	ALSY 5	OCB322	OCB-3 (22-24)	SOIL
7/1/96	ALSY 5	GP2-10	GP-2(10-12)	SOIL
7/1/96	ALSY 5	TB-03	TB-03	AQUEOUS
7/2/96	ALSY 5	GP3-10	GP-3 (10-12)	SOIL
7/2/96	ALSY 5	GP4-4	GP-4 (4-8)	SOIL
6/27/96	ALSY 5	OCB648	OCB-6 (4-8)	SOIL
6/26/96	ALSY 5	OCB410	OCB-4(10-12)	SOIL-TCLP
6/26/96	ALSY 5	OCB504	OCB-5(0-4)	SOIL-TCLP
6/27/96	ALSY 5	OCB610	OCB-6(10-12)	SOIL-TCLP
6/28/96	ALSY 5	CB304	CB-3(0-4)	SOIL-TCLP
6/28/96	ALSY 5	OCB1-10	OCB-1(10-12)	SOIL-TCLP
6/28/96	ALSY 5	OCB3-10	OCB-3(10-12)	SOIL-TCLP
6/28/96	ALSY 5	OCB748	OCB-7(4-8)	SOIL-TCLP
6/28/96	ALSY 5	GP148	GP-1(4-8)	SOIL-TCLP
7/3/96	ALSY 6	GP2GW	GP-2GW(66-70)	AQUEOUS
7/9/96	ALSY 7	GP5-04	GP5-(04)	SOIL
7/9/96	ALSY 7	GP6-04	GP6-(04)	SOIL
7/9/96	ALSY 7	GP7-04	GP7-(04)	SOIL
7/2/96	ALSY 7	GP3-22	GP-3(22-24)	SOIL-TCLP
7/2/96	ALSY 7	GP4-10	GP-4(10-12)	SOIL-TCLP
7/1/96	ALSY 7	GP2-48	GP-2(4-8)	SOIL-TCLP
7/10/96	ALSY 7	GP-848	GP-8(4-8)	SOIL
7/10/96	ALSY 7	GP-904	GP-9(0-4)	SOIL
7/11/96	ALSY 7	GP10-4	GP-10(4-8)	SOIL
7/11/96	ALSY 7	GP11-0	GP-11(0-4)	SOIL
7/12/96	ALSY 7	GP1210	GP-12(10-12)	SOIL
7/12/96	ALSY 7	GP1348	GP-13(4-8)	SOIL

Table C

CORRELATION OF PROBE SAMPLE IDENTIFICATIONS

Alsy Manufacturing Site

DATE SAMPLE RECEIVED	NEI SDG No.	NEI SAMPLE ID	LMS SAMPLE ID	MATRIX
7/9/96	ALSY 7	GP5-34	GP-5(34-36)	SOIL-TCLP
7/9/96	ALSY 7	GP6-10	GP-6(10-12)	SOIL-TCLP
7/9/96	ALSY 7	GP7-34	GP-7(34-36)	SOIL-TCLP
7/10/96	ALSY 7	GP8-10	GP-8(10-12)	SOIL-TCLP
7/10/96	ALSY 7	GP9-12	GP-9(12-14)	SOIL-TCLP
7/10/96	ALSY 8	GP-8GW	GP-8GW(66-70)	AQUEOUS
7/12/96	ALSY 8	GP-13GW	GP-13GW(66-70)	AQUEOUS
7/12/96	ALSY 8	FB01	FB-01	AQUEOUS
7/16/96	ALSY 8	OCB7GW	OCB-7GW(66-70)	AQUEOUS
7/16/96	ALSY 9	GP1448	GP-14(4-8)	SOIL
7/11/96	ALSY 9	GP1004	GP-10(0-4)	SOIL-TCLP
7/11/96	ALSY 9	GP1148	GP-11(4-8)	SOIL-TCLP
7/12/96	ALSY 9	GP1204	GP-12(0-4)	SOIL-TCLP
7/12/96	ALSY 9	GP1381	GP-13(8-10)	SOIL-TCLP
7/18/96	ALSY 9	DGP122	DGP-1 (22-24)	SOIL
7/19/96	ALSY 10	DGP66	DGP-1GW (66-70)	AQUEOUS
7/23/96	ALSY 10	2GW687	DGP-2GW (68-70)	AQUEOUS
7/23/96	ALSY 10	FB02	FB-02	AQUEOUS
7/23/96	ALSY 10	2GW667	GP-2GW (66-70)	AQUEOUS
7/23/96	ALSY 11	DGP304	DGP-3 (0-4)	SOIL

DATA USEABILITY REPORT

This useability report covers the analytical results, submitted by Nytest Environmental, Inc. (Nytest), for the field sampling investigation, conducted by Lawler, Matusky & Skelly Engineers LLP (LMS) between 10 September 1996 and 13 September 1996 at the Alsy Manufacturing site. The analytical reports submitted by Nytest, sample designation groups (SDG) ALSY12 and ALSY13 were validated by Data Validation Services (DVS). LMS reviewed the data validator's final report and assessed the analytical data against the project data quality objectives (DQOs) in preparation of this report. The laboratory performed all of the necessary actions in order to provide the most representative data and where resulting quality control (QC) data did not fall within protocol requirements the reported data were appropriately qualified. Overall, the majority of the data submitted by Nytest met the project DQOs and are useable to characterize the levels of environmental contaminants in samples collected from the Alsy Manufacturing site.

A total of nine (9) groundwater samples were collected and processed for contract laboratory program (CLP) target compound list (TCL) volatile organic compounds (VOCs) and target analyte list (TAL) metals and cyanide. In addition, five (5) soil samples were submitted to Nytest and analyzed for TCL VOCs and TAL metals. Two (2) of these soil samples were also processed for toxicity characteristic leaching procedure (TCLP) metals. All of the analyses were conducted in accordance with the most recent version of New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP).

In general, the analytical data submitted by Nytest were compliant with the established protocols. Those instances where the reported data were noncompliant are described in the data validator's report. This useability report presents a discussion of any impacts that noncompliant data and other quality control (QC) issues raised by the data validator have on the useability of the reported results.

Volatile Analyses

Groundwater and soil samples submitted to Nytest were analyzed for TCL VOCs in accordance with NYSDEC ASP Method 91-1. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. Establishment of calibration curves from initial calibration standards was not performed as required by the protocol and as a result instrument linearity is questionable. Accordingly, the related analytical results were found noncompliant by the data validator. No qualifier was recommended by the data validator for the affected data. LMS finds the data are useable as reported by the laboratory.
2. Methylene chloride and acetone were detected in certain associated blanks and trip blanks at concentrations similar to those reported in the samples. Methylene chloride and acetone are common laboratory solvents and their presence in the samples is considered the result of cross-contamination. Therefore, the values reported by the laboratory for these compounds are not considered representative of the samples analyzed and are not included in the data summary tables.
3. Aqueous matrix spike and matrix spike duplicate analyses performed on the designated project-specific sample resulted in poor correlation whereas surrogate recoveries of this spiking mixture were acceptable indicating possible spiking error. Results are not affected and useable as reported. Results of nonproject batch QC samples associated with the soil samples were acceptable and the results are useful as reported.

Metals and Cyanide Analyses

Groundwater samples submitted to Nytest were analyzed for TAL metals and cyanide, and soil samples for TAL metals in accordance with methodologies of NYSDEC ASP CLP Inorganics and 335.2, respectively. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. The nine (9) groundwater samples were collected and submitted to the laboratory in the period of three successive days together with field and trip blanks and project-specific spike and duplicate samples. The laboratory defined them as three groups by date of receipt and handled them as separate SDGs. Accordingly, batch related samples and one additional project sample (sample MW-3) were analyzed as spike and duplicate prior to the analysis of SDG QC samples. The data validator reviewed the outcome of these QC measures and reassessed the inorganic results of SDG ALSY12 on the basis of project-specific QC results (sample LMS-2) as required by protocol. As a result of this process qualification of certain reported results in the aqueous samples should be changed as described below.

Results for silver in all the aqueous samples should be considered estimated possibly biased very low due to poor spike recoveries.

The detected results for aluminum and manganese in the filtered samples should be considered estimated biased high due to elevated spike recoveries.

Cyanide results should be regarded estimated possible biased slightly low due to low spike recovery.

Iron results in all the aqueous samples should be considered estimated possible biased high due to poor duplicate correlations.

Aluminum and calcium results in the unfiltered samples should be considered estimated possible biased high due to disparities of the serial dilution values.

Estimated numerical values are usable to show detection and the magnitude of the target analytes in the relevant samples. Undetected values when estimated are not suitable to demonstrate that contamination is not present in the affected samples.

2. Analysis of aqueous samples AMS-1, and AMS-2, respectively produced significantly higher zinc concentrations in the filtered samples than in the unfiltered fractions. These results are questionable and indicate that either samples are nonhomogeneous or possible cross contamination. The data validator recommended rejection of reported zinc data for both filtered and unfiltered samples AMS-1 and AMS-2. The affected results are useful to indicate relative magnitude of zinc in the associated samples. However, they are not useful to determine the effect of suspended solids on the zinc concentration.

3. No project soil matrix spikes, duplicates or serial dilutions were performed with the soil samples. Overall, the results of nonproject batch QC samples for soil samples were adequate and acceptable, and the data are useable as reported by the laboratory.

4. Reported detection limits for thallium in soil samples B-2, B-4 and B-5 should be considered estimated due to large negative responses reported by the instrument.

The thallium results, reported undetected, are not useable to indicate that thallium is not present in the soil samples B-2, B-4 and B-5. However, the results are useable to determine the relative magnitudes of thallium in each of the samples affected.

TCLP - RCRA Metals Analysis

Two (2) soil sample submitted to Nytest were processed in accordance with the TCLP Method 1311 and the resulting leachates analyzed for RCRA metals. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. Chromium concentration in leachate B-3 should be changed to undetected and in leachate B-4 to estimated due to the elevated detected level reported for chromium in the TCLP preparation blank. The affected results are useable to show that chromium was not detected in sample B-3 at a concentration that exceeds the regulatory level of 5.0 mg/l and to indicate the relative magnitude of chromium in the TCLP leachate.

Data Validation Services

Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

LAWLER, MATUSKY &
SKELLY ENGINEERS LLP

SEP 09 1996

September 6, 1996

For Hazardous Waste Section

Maria Heincz
LMS Engineers
One Blue Hill Plaza
Pearl River, NY 10965

RE: Validation of ALSY Site Data Packages
NEI SDG Nos. ALSY1, ALSY2, ALSY3, and login 27986

Dear Ms. Heincz:

Review has been completed for the data packages generated by Nytest Environmental Laboratories, pertaining to samples collected at the ALSY Site. Six aqueous samples were analysed for TCL Volatiles, and total/dissolved TAL metals. One soil sample was analysed for TCLP metals. Trip blanks were processed, batch QC were reported for volatiles; project matrix spikes/duplicates were analysed for metals. Methodologies utilized are those of the 1991 NYSDEC ASP.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA SOPs HW-2 and HW-6. The following items were reviewed:

- * Data Completeness
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrumental Tunes
- * Calibration Standards
- * Instrument IDLs
- * Method Compliance
- * Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria. Certain edits to, and qualification of, reported results are indicated. These issues are discussed in the following analytical sections.

Copies of laboratory case narratives are attached to this narrative, and should be reviewed in conjunction with this narrative. A compliancy chart and laboratory NYSDEC Sample Preparation and Analysis Summary Forms are also included with this report.

Data Completeness

Initially omitted custody documentation was provided upon request (see attached resubmission communications).

Volatile Analyses

Methylene chloride was detected in certain of the method blanks and trip blanks at concentrations similar to those of the samples. The sample reported methylene chloride results should therefore be edited to reflect nondetection at either the CRDL or at the originally reported value, whichever is greater.

The following calibration standard analytes exhibited either depressed recoveries exceeding 25%D, or elevated recoveries exceeding 25%D with associated sample detections, and these parameter values should be considered estimated in associated samples (no corrective action was required):

<u>Standard</u>	<u>Analyte</u>	<u>%D</u>	<u>Affected Samples</u>
6/14/96 on P	methylene chloride	45	PGW796

Matrix spikes were reported for each delivery group, performed on nonproject samples; all recovery and duplicate precision values were acceptable. Aqueous matrix spikes were performed on project samples GP13GW and OCB7GW (reported in a later SDG); all values were acceptable, with the exception of recoveries of 1,1-dichloroethene in OCB7GW (which were slightly elevated, not affecting sample reported results).

Initial calibration standards from instruments P and M were not analysed in a consecutive fashion which is required by protocol. Multiple injections were made for each concentration, and the five standards for the calibration curve were selected from them.

Metals/CN Analyses

For SDG ALSY3, the reported Client Sample IDs on the Forms 1 should have distinguished between the filtered and unfiltered sample fractions.

Although batch QC were reported for each login group herein (total of four), the sample qualifications for accuracy, precision, and serial dilution for the ICP elements are recommended based upon the results of the spike and duplicate of project sample PGW-10 (run on the dissolved fraction). All accuracy, precision, and serial dilution values were acceptable. However, it should be noted that the matrix effect of the unfiltered samples is not evaluated.

The cyanide matrix spike of PGW-1 produced only 13% recovery; therefore project cyanide results should be considered grossly estimated with borderline usability.

In some instances, the filtered samples produced results significantly higher concentrations of analytes than the unfiltered versions. Therefore sample nonhomogeneity is suspected. The following elements in the filtered and unfiltered fractions of the samples should therefore be considered estimated:

PGW-1* --Calcium, magnesium, manganese, potassium, and sodium

PGW-2 --Calcium, magnesium, manganese, and sodium

PGW-3**- Calcium, manganese, and sodium

PGW796 - Sodium

PGW866 - Sodium

* the variances in the above-listed elements in PGW-1 were extreme (dissolved two to three times the total fraction), and values should be used with extreme caution.

**the variances in the above-listed elements in PGW-3 were extreme (dissolved three to four times the total fraction), and values should be used with extreme caution.

Due to elevated recoveries of the CRI standards (132% to 149%), the reported values for lead in PGW796 and thallium in PGW796 and DPGW796 should be considered estimated, possibly biased low.

Due to low recovery of the CRI standard (68%), the reported value for thallium in PGW-10 and DPGW-10 should be considered estimated, possibly biased low.

The ICS potassium standard in the sequence 6/21/96 (SDG ALSY2) produced an outlying low response of 86.8% (below lower limit of 90%). Therefore the reported value for this element in PGW866 should be considered estimated.

TCLP Metals Analyses

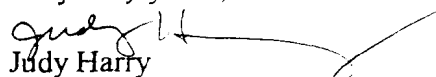
Due to low recoveries of the CRI standards cadmium and silver (55% to 68%), the reported values for those elements in OCB422 leachate should be considered estimated, possibly biased low.

The batch QC sample for matrix spike and duplicate contained very high concentrations of analytes, and is therefore not comparable for accuracy and precision determinations for this project sample. The end-user of the data should be aware that matrix effect from this sample is not evaluated.

The initial and/or continuing calibration blanks associated with the OCB422 leachate produced very low negative absorbance readings for arsenic (-52 ug/L; reported detection limit is 40 ug/L) and selenium (-50, -61, and -41; reported detection limit is 35 ug/L). The selenium method blank was -4 ug/L. Therefore the reported results for these elements in the sample should be considered estimated.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,


Judy Harry

COMPLIANCY CHART

Project: LMS Engineering -ALSY Manufacturing
SDG Nos. NEI SDG Nos. ALSY1, ALSY2, ALSY3, and login 27986
Protocol: 1991 NYSDEC ASP/SW846

<u>Rec. Date</u>	<u>Sample ID</u>	<u>Matrix</u>	<u>VOA</u>	<u>Metals</u>	<u>Other</u>	<u>Noncompliance</u>
06-01-96	PGW-1	Aqueous	NO	OK	OK	1
06-01-96	PGW-2	Aqueous	NO	OK	OK	1
06-01-96	PGW-3	Aqueous	NO	OK	OK	1
06-01-96	TB531	Aqueous	NO	NR	NR	1
06-07-96	PGW796	Aqueous	NO	OK	OK	1
06-07-96	TB-1	Aqueous	NO	NR	NR	1
06-11-96	PGW866	Aqueous	NO	NO	OK	1, 2
06-11-96	TB	Aqueous	NO	NR	NR	1
06-07-96	OCB422	TCLPLeach	NR	OK	NR	
06-25-96	PGW10	Aqueous	NO	OK	OK	1

1. Volatile initial calibration standards not in consecutive fashion (1991 NYSDEC ASP pg. D-II-31).
2. Potassium ICV outside required limits (pg. E-132).

Data Validation Services

Cobble Creek Road P. O. Box 208

North Creek, NY 12853

Phone and Fax (518) 251-4429

Facsimile Transmission

TO:

Rence Cohen

COMPANY:

WEI

FAX NUMBER:

FROM:

Judy Harry

DATE:

7-25-96

No. of pages (including cover): 1

COMMENTS:

Re: LMS engineers
ALSy site

No chain-of-custody documentation is present
for logon 27940 of SD4 ALSy1. Pertains
to samples PGW 796 + TB-1.

Please forward w/ copy to Marta Heinecz.

Thanks,

Judy

Data Validation Services

Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone and Fax (518) 251-4429

Facsimile Transmission

TO: Renee Cohen / Lori Bayer

COMPANY: NEI

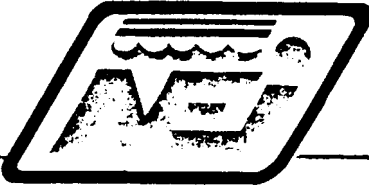
FAX NUMBER: 518 625 3128

FROM: Judy Harry

DATE: 8-28-96

No. of pages (including cover): 1

COMMENTS: Re: LMS Engineers ALSJ project
No. above of contract is found in the
data package for Log# 27986. Please
forward a copy ASAP. Thanks,
Judy



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

August 1, 1996

Judy Harry
Data Validation Services
Cobble Creek Road
North Creek, NY 12853

Dear Ms. Harry,

Enclosed please find the Chain of Custody associated with Project Number 9622571 for NEI login 27960, on samples received 06/07/96.

I apologize if issue have caused any inconvenience. If there are any further questions associated with this report, please do not hesitate to contact me at (516)625-5500x234.

Sincerely,

Larry D. Singh
Project Manager

cc: Renee Cohen -Nyttest Environmental, Inc.



nylest environmental.

(916) 425-8500 FAX: (516) 626-1274

TOTAL ANALYTICAL SERVICES FOR A LARGE CORPORATION

Client Name
Address
Project Manager
Phone
Project Name
Project Number
PO #

LMS Engineers
12118 Hill Plaza
Pearl River NY 10965
Kevin McCarthy / Maria Hincz
(914) 735-8800 FAX (914) 735-7466
ALS
698001

Analytical Protocol
Sampled By
Deliverables

Jennifer Morse

Sample ID (Inclusion of 4 Characters)	Date	Time	Sample Location
P 6 W - 7	6/6/96	0915	PGW-7 (96-100)
P 6 W - 7		0950	PGW-7 (96-90)
P 6 W - 7		1025	PGW-7 (76-90)
P 6 W - 7		1040	PGW-7 (66-70)
T B - 1		1700	TRIPBLANK

No. of Containers	Filtered TNOs	Unfiltered TNOs	Total TNOs	MOA TRESERVATIVE	VOCS
6	1	1	2		
2	1	1	2		
4	1	1	2		
4	1	1	2		
2					

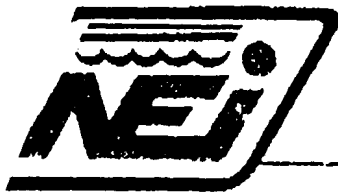
Comments
ARRIVED
↑

Requested by: Jennifer Morse
Date / Time: 6/11/96 1420
Received by: Jennifer Morse
Date / Time: 6/11/96 1420
Requested by: Michael Led
Date / Time: 6/11/96 1420

Logis #: 27918
Ship to: Mytel Environmental Inc.
40 Services Blvd
Port Washington N.Y. 11050
Attn: Sample Control
Date Shipped:
Carrier:
Air Bill #:
Contract #:
C of C #:
SDO #:
NEI QT #:

Change of analysis requested:
Special Instructions: Sample #01, PGW-7 (96-100) is a confirmatory sample to be analyzed for TAs Metals, filtered; TAs Metals, unfiltered, GERMIC and TCS VOCs. SAMPLE #05, TB-1 is the related TAs BLANK to be analyzed for TCS VOCs. A.M.M. 6/11/96 10:12 AM

Chain of Custody Record



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

FAX COVER PAGE

TO: Judy Masera

518-251-4429

FAX NO.:

DATE: 8-30-96

NO. OF PAGES: 2

(Including cover page)

FROM: Larry Singh Ext. 234

MESSAGE: COC requested.

NEI LOGIN NUMBER(S):

NOTE: IF YOU DO NOT RECEIVE THE ENTIRE TRANSMISSION, OR NEED PAGES RE-SENT TO DUE TO ILLEGIBILITY, PLEASE CALL US BACK IMMEDIATELY.

Client Services Fax # 625 - 3128



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

NYTEST ANALYTICAL SERVICES FOR A SAFER ENVIRONMENT

Chain of Custody Record

Client Name: WLS Engineers
 Address: 1 Blue Hill Plaza
Peart River NY 10965

Project Manager: Kevin McCauly
 Phone: (914) 735 8300 FAX: (914) 735 7466
 Project Name: ALSY
 Project Number: 698001

Analytical Protocol: Deliverables

Sampled By: Jennifer Morse, Perry Young, V. Carben

Lab ID (Lab Use Only)	Sample ID (Maximum of 6 Characters)	Qty Sample	Date / Time	Received by	Print Name	Date / Time	Received by Laboratory	Print Name	Date / Time
01	OCB-4	6	6/9/16	OCB-4 (4-5)					
03	OCB-2	1	08/15	OCB-2 (22-24)					
04	OCB-4	1	14/45	OCB-4 (21)					
05	OCB-2	1	10/00	OCB-2 (6-8)					
06	OCB-4	3	09/30	OCB-2 (6-8)					
07	OCB-4	3	6/7/16	OCB-4 (10-12)					
02	OCB-4	1	10/40	OCB-4 (22-24)					
08	OCB-4	1	11/40	OCB-4 (34-36)					
		2	12/25	OCB-4 (41-43)					

No. of Containers

TCLP, TOTAL METALS *
 VOCs

Analysis Requested

But #s in Ode (For Lab Use Only)

Login #: 27917
 Ship to: Nytest Environmental Inc
60 Seaview Blvd
Port Washington N.Y. 11050
 Attn: Sample Control

Date Shipped: _____

Carrier: _____

Air Bill #: _____

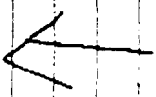
Cooler #: _____

C of C #: _____

SDS #: _____

NET WT #: _____

Comments: SOIL



Relinquished by: [Signature]
 Print Name: Jennifer Morse
 Date / Time: 6/9/16 10:20

Relinquished by: _____
 Print Name: _____
 Date / Time: _____

Relinquished by: _____
 Print Name: _____
 Date / Time: _____

Relinquished by: _____
 Print Name: Michael Lott
 Date / Time: 6/17/16 2:00

Special Instructions: * - HOLD FOR POSSIBLE TCLP ANALYSIS

Lab Use Only

Control State: OK Absent
 Sample Storage Cool Control: OK Absent
 Sample Environment: OK Absent
 Date / Time: _____

Comments: CLIST US 6/13/16
AS PR
METALS

**NARRATIVE DISCUSSION
VOLATILES - 27827, 27960**

SDG NO. ALSY1

INTRODUCTION

This narrative covers the analysis of six (6) aqueous samples in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Matrix Spikes were not designated to be performed on any of the samples covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this SDG. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No analytical problems were encountered.

000009

CASE NARRATIVE
METALS

Login No: 27827

SDG No: ALSY1

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample PGW-1 was utilized as the matrix spike sample for cyanide analysis.

Batch QCs are being supplied for other analyses.

Note that any matrix effects demonstrated by the batch QC samples may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Ag and Cn. A post-digestion spike was performed for cyanide and is reported on Form 5B.

Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample PGW-1 was utilized as the duplicate sample for cyanide analysis.

Batch QCs are being supplied for other analyses.

Note that any matrix effects demonstrated by the batch QC samples may not be indicative of any potential matrix effects associated with the samples from this login.

000010

All Relative Percent Differences (RPDs) met QC criteria.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that an aqueous LCS is not required for Mercury and Cyanide analyses.

SERIAL DILUTION

A serial dilution was performed on a batch sample. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Co, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in CLP SOW ILM03.0.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 27960

SDG No: ALSY1

HOLDING TIMES

All samples associated with this LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Batch QCs are being supplied. Note that any matrix effects demonstrated by the batch QC samples may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria.

DUPLICATES

Batch QCs are being supplied. Note that any matrix effects demonstrated by the batch QC samples may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Sb. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that an aqueous LCS is not required for Mercury and Cyanide analyses.

000012

SERIAL DILUTION

A serial dilution was performed on a batch sample. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Cr, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in CLP SOW ILM03.0.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.



Michael Shmookler, Ph.D.
Laboratory Operations Manager

NARRATIVE DISCUSSION
VOLATILES - 27962

INTRODUCTION

This narrative covers the analysis of two (2) aqueous samples in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blank associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Matrix Spikes were not designated to be performed on any of the samples covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix effects than samples contained in this login. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No analytical problems were encountered.

000003

CASE NARRATIVE
METALS

Login No: 27962

SDG No: ALSY2

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample 2774104(ICP), 2795804(CN), 2800103(HG) were utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria.

DUPLICATES

Sample 2774104(ICP), 27958(CN), 2800103(HG) were utilized as the matrix duplicate sample for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Sb, Hg. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

000004

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample 2774104. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Cr, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES .

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Michael Shmookler", written over a solid horizontal line.

Michael Shmookler, Ph.D.
Laboratory Operations Manager

000006

NARRATIVE DISCUSSION
VOLATILES - 28143
SDG NUMBER - ALSY3

INTRODUCTION

This narrative covers the analysis of one (1) aqueous sample in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

The analytical holding times for this analysis were met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blank associated with this sample met all method requirements.

SURROGATES

All samples met surrogate QC criteria.

MATRIX SPIKES

Matrix spikes were not designated to be performed on the sample covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix effects than samples contained in this SDG. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No analytical problems were encountered.

000007

CASE NARRATIVE
METALS

Login No: 28143

SDG No: ALSY3

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample 28148-01 diss (ICP) and 28108-05 (Hg), 28089-03 (CN) were utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of HG,CN. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample 28143-01 diss (ICP) and 28108-05 (Hg), 28089-03 (CN) were utilized as the duplicate sample for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria.

000008

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria. Note that an aqueous LCS is not required for mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample 28143-01 diss. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Renee Cohen for

Michael Shmookler, Ph.D.
Laboratory Operations Manager

000010

CASE NARRATIVE
METALS

Login No: 27986

SDG No: _____

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Samples 27977-06 (ICP) and 27986-01 (Hg) were utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of barium. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Samples 27977-06 (ICP) and 27986-01 (Hg) were utilized as the duplicate samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria.

000003

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria. Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample 27977-06. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

000004

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Renee Cohen

Michael Shmookler, Ph.D.
Laboratory Operations Manager

000005

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
PGW-1	2782701	✓				✓	✓
PGW-2	↓ 02	✓				✓	✓
PGW-3	↓ 03	✓				✓	✓
TB531	↓ 04	✓					
PGW796	2796001	✓				✓	✓
TB-1	↓ 02	✓					

nytest environmental_{nc}

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2782701	WATER	05-31	6-1-96	NA	6-5-96
02	↓	↓	↓	↓	11
03	↓	↓	↓	↓	11
04	↓	↓	↓	↓	11
2790001	WATER	05-06-96	6-7-96	↓	6-14-96
02	↓	"	"	↓	"

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
27827-01	Water	TCL + CN	6/1/96	6/4 6/8 6/15	6/22 6/28 6/29
02					
03					
D 01		TCL			
02					
03					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
2796001	Water	TCL + CN	6/7/96	6/14/96	6/21/96
D2796001	L	TCL	L	L	

000000

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
PGW866	2796201	✓				✓	✓
TB	↓ 02	✓					

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

VOLATILE (VOA)

ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2796201	water	06-11-96	06-11-96	NA	06-18-96
↓ 02	↓	↓	↓ ✓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
2796201	WATER	TCL metals	6-11-96	6-14-96	6-21-96
				6-27-96 6-29-96	6-27-96 6-27-96

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
PGW-10	2814301	✓				✓	✓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2814301	WATER	06/24/96	06/25/96	NA	07/02/96

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
PGW-10	Water	Ag, Ag diss, Al, Al diss, As, As diss, Ba, Ba diss, Be, Be diss, Ca, Ca diss, Cd, Cd diss, Co, Co diss, Cr, Cr diss, Cu, Cu diss, Fe, Fe diss, Hg, Hg diss, K, K diss, Mg, Mg diss, Mn, Mn diss, Na, Na diss, Ni, Ni diss, Pb, Pb diss, Sb, Sb diss, Se, Se diss, Tl, Tl diss, V, V diss, Zn, and Zn diss.	06/25/96	07/03/96	07/03/96 07/08/96 07/16/96 07/23/96

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
OCB422	2798601					✓	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
OCB422 (27986-01)	Soil	TCLP Ag, TCLP As, TCLP Ba, TCLP Cd, TCLP Cr, TCLP Hg, TCLP Pb, and TCLP Se	06/07/96	06/24/96 06/28/96	06/24/96 07/08/96

000008

Data Validation Services

Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

LAWLER, MATUSKY &
SKELLY ENGINEERS LLP

OCT 16 1996

October 12, 1996

For Hazardous Waste Section

Maria Heincz
LMS Engineers
One Blue Hill Plaza
Pearl River, NY 10965

RE: Validation of ALSY Site Data Packages
NEI SDG Nos. ALSY5 through ALSY 11

Dear Ms. Heincz:

Review has been completed for the data packages generated by Nytest Environmental Laboratories, pertaining to samples collected at the ALSY Site. Thirty five soil samples and eleven aqueous samples were analysed for TCL Volatiles, TCLP metals and/or TAL metals (total and dissolved for aqueous samples). Trip and field blanks were processed, project and batch QC were reported for volatiles. Methodologies utilized are those of the 1991 NYSDEC ASP.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA SOPs HW-2 and HW-6. The following items were reviewed:

- * Data Completeness
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrumental Tunes
- * Calibration Standards
- * Instrument IDLs
- * Method Compliance
- * Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria. The exception is the mercury processing, which involved holding time violations, and standard processing. Certain edits to, and qualification of, reported results are indicated. These issues are discussed in the following analytical sections.

Copies of laboratory case narratives are attached to this narrative, and should be reviewed in conjunction with this narrative. A compliancy chart and laboratory NYSDEC Sample Preparation and Analysis Summary Forms are also included with this report.

Data Completeness

Initially omitted custody documentation and raw data items were provided upon request (see attached resubmission communications).

Uninitialed strikeovers were observed on some of the chain-of-custody documentation. Edits to these forms should be initialed and dated.

Volatile Analyses

Sample OCB648 was analysed 13 days from VTSR, 6 days beyond the allowable holding time. The reported results should be considered estimated.

Sample DGP122 was analysed one day beyond the protocol required holding time (of 7 days from VTSR), but within the technical holding time (9 days from collection). No qualification is recommended.

Methylene chloride and acetone were detected in certain of the method blanks and trip blanks at concentrations similar to those of the samples. The sample reported methylene chloride and acetone results should therefore be edited to reflect nondetection at either the CRDL or at the originally reported value, whichever is greater. Due to elevated response of acetone in the associated daily calibration, the edited results in GP4-4 should be considered estimated.

Tentatively Identified Compounds (TICs) identified as siloxanes should not be considered as sample constituents.

Matrix spikes were reported for each delivery group. Project matrix spikes were performed on aqueous samples GP13GW and OCB7GW, and soil samples GP7-04, GP1448, and DGP304, with acceptable recovery and duplicate precision values. The only outliers were recoveries of 1,1-dichloroethene in the spikes of OCB7GW, which were slightly elevated. Batch QC values were also acceptable.

Initial calibration standards from instruments P and M were not analysed in a consecutive fashion which is required by protocol. Multiple injections were made for each concentration, and the five standards for the calibration curve were selected from them. This implies a lack of certainty in the acceptability of the instrument linearity.

The raw data and formwork for sample GP1210 show laboratory ID prefix as 29337. The analysis run log does show the correct prefix of 28337.

The following calibration standard analytes exhibited depressed recoveries exceeding 25%D, and these parameter values should be considered estimated in associated samples (no corrective action was required):

<u>Standard</u>	<u>Analyte</u>	<u>%D</u>	<u>Affected Samples</u>
M0769.D	07-04-96 0902 chloromethane	29.8	GP110,OCB148,OCB322
	methylene chloride	54.2	
M0825.D	07-06-96 1053 chloromethane	37.2	GP2-10
	methylene chloride	53.0	
M0875.D	07-09-96 1537 methylene chloride	48.9	GP3-10,GP4-4
M0895.D	07-10-96 1026 methylene chloride	41.1	OCB648
P1506.D	07-06-96 0926 methylene chloride	47.9	TB03,GP-2GW
	tetrachloroethene	32.0	
M0977.D	07-15-96 1255 chloromethane	41.1	GP-8GW
M1001.D	07-16-96 0911 chloromethane	62.4	FB01,GP13GW
N9139.D	07-18-96 0944 acetone	49.3	GP11-0,GP1210,GP1348
M1052.D	07-18-96 0952 chloromethane	49.1	OCB7GW
M1179.D	07-24-96 0942 chloromethane	46.5	DGP66
M1126.D	07-22-96 1930 methylene chloride	48.9	GP1448
M1193.D	07-24-96 1650 methylene chloride	51.3	DGP122

Metals/CN Analyses

The holding time for mercury analysis was exceeded for several samples. The reported results for the following should therefore be considered estimated:

GP2GW and DGP2GW (analysed at 36 days)

GP5-04 (analysed at 35 days)

The protocol holding time for cyanide analyses of OCB648, GP6-04, and GP7-04 was exceeded by one day. The analyses were within the technical holding time, and qualification is not necessary.

The reported result for mercury in OCB648 should be "0.01 U", not "0.00 U."

Certain of the field blanks contained levels of target compounds similar to those found in the samples. Therefore the following sample detections (less than five times the blank level) should be rejected. It is appropriate to consider an elevated detection limit corresponding to the originally reported value: Iron, sodium, and zinc in DGP13GW

Copper, sodium, magnesium, potassium, and zinc in GP13GW, GP8GW, and GP7GW

Mercury, zinc, and iron in D2GW667 and D2GW687

Sodium and zinc in DGP8GW and DGP7GW

Mercury and zinc in 2GW667

Mercury in 2GW687

Matrix spike, duplicate, and serial dilution evaluations were provided for each digestion batch; certain of these were performed on project samples, others were nonproject batch QC. Laboratory qualifiers of "N", "*", and "E" were applied based on the batch QC. In order to best provide the best evaluation, the samples have herein been qualified based upon associated *project* accuracy, precision, and serial dilution values. In some instances more than the required 7 day interval may exist between sample receipts. Where possible, qualifications for aqueous samples are also based upon association with total versus dissolved fractions.

The following aqueous qualifications are recommended:

Sample ID	Element	MS Recovery	Qualifier	Affected Samples
DGP8GW	All acceptable			DGP8GW
DGP13GW	Mercury	55	J	DGP13GW and DGP2GW
GP13GW	Antimony	70	J	GP13GW, GP8GW, GP2GW
	Barium	55	J	
	Copper	59	J	
	Vanadium	74	J	
	Chromium	9	R for nondetections; J for detections	
DOCB7GW	Mercury	172	J for detection	DOCB7GW and dissolved samples in SDG ALSY10
OCB7GW	Mercury	139	J for detection	OCB7GW and unfiltered samples in SDG ALSY10
	Cyanide	0	R --for nondetection and detection	

Sample ID	Element	Dupl. %RPD	Qualifier	Affected Samples
DGP8GW	All acceptable			DGP8GW
DGP13GW	Iron	63	J	DGP13GW and DGP2GW
	Manganese	79	J	
GP13GW	Aluminum	127	J	GP13GW, GP8GW, and GP2GW
	Antimony	>+-CRDL	J	
	Arsenic	>+-CRDL	J	
	Barium	>+-CRDL	J	
	Chromium	76	J	
	Copper	>+-CRDL	J	
	Iron	119	J	
	Lead	108	J	
	Manganese	97	J	
	Nickel	>+-CRDL	J	
	Potassium	>+-CRDL	J	
	Vanadium	>+-CRDL	J	
	Zinc	>+-CRDL	J	

Note: this sample GP13GW showed unusual variance between sample and duplicate

Sample ID	Element	Dupl. %RPD	Qualifier	Affected Samples
DOCB7GW		All acceptable		DOCB7GW and dissolved samples in SDG ALSY10
OCB7GW	Aluminum		J	OCB7GW and unfiltered samples in SDG ALSY10
	Chromium		J	
	Copper		J	

Soil samples were received between 6-28-96 and 7-23-96. Project matrix spikes/duplicates were performed only on samples received 7-16 and 7-23. All soil samples which were received between 6-28 and 7-18 (which are greater than 20 in number) will be qualified based upon the 7-16 receipt (GP1448) accuracy and precision determinations:

Sample ID	Element	Recovery	Qualifier	Affected Samples
GP1448	Cyanide	70%	J	All soils in SDGs ALSY5, ALSY9 & ALSY7
	Silver	67	J	
	Manganese	8	R for nondetections, J for detections	
DGP304	Copper	55	J	DGP304
	Manganese	145	J for detections; no qual for nondetections	

Sample ID	Element	Dupl. %RPD	Qualifier	Affected Samples
GP1448	Arsenic	58%RPD	J	All soils in SDGs ALSY5, ALSY9 & ALSY7
	Iron	58	J	
	Manganese	73	J (nondetections already R due to spike recovery)	
	Silver	>+-2XCRDL	J	
	Zinc	66	J	
DGP304	Selenium	>+-2XCRDL	J	DGP304

Serial dilutions of DGP8GW, DOCB7GW, and GP1448 were acceptable. Serial dilution outliers include the following recommended qualifications:

Sample ID	Element	%D	Qualifier	Affected Samples
GP13GW	Calcium	19	J	GP13GW, GP8GW, and GP2GW
	Manganese	>1000	J	
OCB7GW	Calcium	12	J	OCB7GW and unfiltered samples in SDG ALSY10
	Iron	11	J	
	Manganese	13	J	
	Vanadium	14	J	
DGP304	Calcium	38	J	
	Manganese	13	J	

The cyanide matrix spike and duplicate of DGP304 produced inconsistent results on initial analysis (26 ug/L for sample, and 7 ug/L for duplicate). They were reanalysed with values of 26 ug/L for both. Reanalyses should not have been performed as a result of observed variances in duplicate correlation. The result for cyanide in DGP304 should be considered estimated (155%RPD).

Due to low recovery of the lead standard at two times CRDL (CRI), the reported lead results for DOCB7GW and OCB7GW should be considered estimated.

Due to elevated recovery of the lead standard at two times CRDL (CRI), the reported lead results for GP2-10, GP3-10, OCB148, OCB322, and OCB648 should be considered estimated.

Mercury analyses were often noncompliant in processing. In several instances standard or blanks were reanalysed due to outlying values (8/5, 8/6, and 8/7 sequences). This practice is not permitted by the protocol.

TCLP Metals Analyses

The laboratory should have distinguished in the client IDs, on the metals Forms 1-IN, between the soil samples and their TCLP leachates. Those with the matrix stated as "water" are the leachate results. In addition, in some instances the lab used a prefix for their laboratory number of "T" to indicate TCLP, and sometimes to indicate "Total". A consistent policy should be adapted.

No mercury was reported for six of the samples in ALSY5 due to holding time exceedence.

The 1991 ASP protocol mercury holding time for the leaching of the soil was exceeded for the samples analysed in SDG ALSY7 (leaching occurred 9 to 16 days after receipt; 1991 protocol requires a 5 day holding time). The 1995 update of the protocol corrects the mercury holding time requirement for leaching to 28 days, and qualification for this exceedence is not recommended. However, the leachates of these samples, and the ones in SDG ALSY 9, were analysed beyond the allowable analysis holding time of 28 days (at 29 days for those in ALSY7 and 30 for those in ALSY9). Therefore the reported mercury results for the samples in these two SDGs should be considered estimated, possibly biased low.

Due to low recoveries of the CRI standard for selenium (65%), the reported values for that element in leachates CB304, GP148, OCB1-10, OCB3-10, OCB610, and OCB748 should be considered estimated, possibly biased low.

Due to the presence of cadmium in the leachate blank associated with samples OCB410 and OCB504, the detection of this element in the samples should be rejected. An elevated detection limit corresponding to the originally reported value is appropriate.

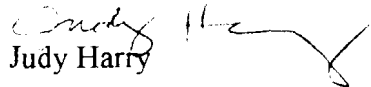
Due to presence of lead in the leachate blank associated with GP1004, the reported detection of this element in the sample should be rejected. An elevated detection limit corresponding to the originally reported value is appropriate.

Matrix spike recoveries and duplicate correlation for leachates OCB504, GP7-34, GP2-48 (mercury only), and batch QC were acceptable, with the exception of the recovery of selenium in GP7-34, which was elevated at 126% (sample results unaffected).

Serial dilution correlations for OCB504, GP7-34, and batch QC were acceptable.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,


Judy Harry

COMPLIANCY CHART

Project: LMS Engineers -ALSY Site
 SDG Nos. NEI SDG Nos. ALSY5 through ALSY11
 Protocol: 1991 NYSDEC ASP

Rec. Date	Sample ID	Matrix	VOA	Metals	Other Noncom
06-28-96	GP110	Soil	OK	OK	OK
06-28-96	OCB148	Soil	OK	OK	OK
06-28-96	OCB322	Soil	OK	OK	OK
07-01-96	GP2-10	Soil	OK	OK	OK
07-01-96	TB-03	Aqueous	OK	NR	NR
07-02-96	GP3-10	Soil	OK	OK	OK
07-02-96	GP4-4	Soil	OK	OK	OK
06-27-96	OCB648	Soil	NO	OK	NO 1,2
06-26-96	OCB410	Soil	NR	OK	NR
06-26-96	OCB504	Soil	NR	OK	NR
06-27-96	OCB610	Soil	NR	NO	NR 6
06-28-96	CB304	Soil	NR	NO	NR 6
06-28-96	OCB1-10	Soil	NR	NO	NR 6
06-28-96	OCB3-10	Soil	NR	NO	NR 6
06-28-96	OCB748	Soil	NR	NO	NR 6
06-28-96	GP148	Soil	NR	NO	NR 6
07-03-96	GP-2GW	Aqueous	OK	OK	OK
07-09-96	GP5-04	Soil	OK	OK	OK
07-09-96	GP6-04	Soil	OK	OK	OK
07-09-96	GP7-04	Soil	OK	OK	OK
07-02-96	GP3-22	Soil	NR	NO	NR 5
07-02-96	GP4-10	Soil	NR	NO	NR 5
07-01-96	GP2-48	Soil	NR	NO	NR 5
07-10-96	GP-848	Soil	OK	OK	OK
07-10-96	GP-904	Soil	OK	OK	OK
07-11-96	GP10-4	Soil	OK	OK	OK
07-11-96	GP11-0	Soil	OK	OK	OK
07-12-96	GP1210	Soil	OK	NO	OK 4,5
07-12-96	GP1348	Soil	OK	NO	OK 4,5
07-09-96	GP5-34	Soil	NR	NO	NR 5
07-09-96	GP6-10	Soil	NR	NO	NR 5
07-09-96	GP7-34	Soil	NR	NO	NR 5
07-09-96	GP8-10	Soil	NR	NO	NR 5
07-09-96	GP9-12	Soil	NR	NO	NR 5
07-10-96	GP-8GW	Aqueous	OK	OK	OK
07-12-96	GP13GW	Aqueous	OK	OK	OK
07-12-96	FB01	Aqueous	OK	OK	OK
07-16-96	OCB7GW	Aqueous	OK	OK	OK
07-16-96	GP1448	Soil	OK	OK	OK
07-18-96	GP1004	Aqueous	NR	NO	NR 5

Rec. Date	Sample ID	Matrix	VOA	Metals	Other	Noncom
07-18-96	GP1148	Aqueous	NR	NO	NR	5
07-18-96	GP1204	Aqueous	NR	NO	NR	5
07-18-96	GP1381	Aqueous	NR	NO	NR	5
07-18-96	DGP122	Soil	NO	OK	OK	1
07-19-96	DGP66	Aqueous	OK	OK	OK	
07-23-96	2GW687	Aqueous	OK	OK	OK	
07-23-96	FB02	Aqueous	OK	OK	OK	
07-23-96	2GW667	Aqueous	OK	OK	OK	
07-23-96	DGP304	Soil	OK	NO	OK	3

1. Volatile holding time exceeded (1991 NYSDEC ASP pg. D-II-8).
2. Cyanide holding time exceeded (pg. D-V-11).
3. Reanalysis of cyanide matrix spike/duplicate (pg.E-129).
4. Mercury standards reanalysed to correct values (pg. E-129).
5. Mercury holding time for leachate analysis exceeded (pg I-38).
6. No mercury analysis performed.

Data Validation Services

Cobble Creek Road P. O. Box 208
North Creek, NY 12853
Phone and Fax (518) 251-4429

Facsimile Transmission

TO: Lori Beyer
COMPANY: NEI
FAX NUMBER: 516 625 3128
FROM: Judy Harry *JH*
DATE: 9-23-96

No. of pages (including cover): 1

COMMENTS: RE: LMS Engineers ALSY Project NEI SDG Nos. ALSY 5, 7, & 9

The following items are needed to complete review of the data packages:

ALSY5-Several logins--Chain of custody documentation for GP110, OCB410, OCB504, OCB610, OCB1-10, OCB3-10, OCB748, GP148, and CB304 was omitted; please provide.

ALSY5-Login 28237 --Please resubmit the mercury raw data for sample GP4-4, which was not legible in the data package because it "ran off the bottom of the page" (pg 158).

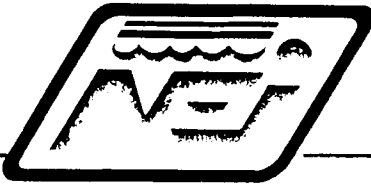
ALSY7-Login 28371--Chain of custody documentation for GP8-10 and GP9-12 was omitted; please provide.

ALSY9-Login 28402 --Chain of custody documentation for GP1004, GP1148, GP1204, and GP1381 (TCLP received possibly 7/11 and 7/12, but on TCLP metals Forms 1 as 7/18) was omitted; please provide.

ALSY9-Login 28402 --Please resubmit the mercury raw data from pages 86 through 91 (inclusive). The copy received was too faint to read.

Please also copy Maria Heincz with all communications.

Thank you. Judy



TOTAL ANALYTICAL SERVICES FOR A SAFE ENVIRONMENT

nytest environmental inc.

OCTOBER 2, 1996

Data Validation Services
Cobble Creek Road
P.O. Box 208
North Creek, N.Y. 12853

Attention: Ms. Judy Harry
Reference: LMS Engineers, ALYS Project NEI SDG Nos. ALSY 5,7, &9

Dear Judy,

Enclosed please find the Chain of custody documentation for OCB410, OCB504, OCB610, OCB1-10, OCB3-10, OCB748, GP148, CB304, GP8-10, GP9-12, GP1004, GP1148, GP1204, and gp1381. Please note, sample GP110 was run for TAL metals and not for TCLP metals.

Raw mercury data sheets have been included, please replace in your data packages.

I apologize for any inconvenience this may have caused. If you have any questions associated with this login, please do not hesitate to contact me at (516) 625-5500x234.

Sincerely,

Larry D. Singh
Project Manager

cc: Maria Heincz, LMS Engineers

NARRATIVE DISCUSSION
VOLATILES - 28199, 28225,
28229, 28237, 28272

SDG NO. LBY5

INTRODUCTION

This narrative covers the analysis of one (1) aqueous sample and seven (7) soil samples in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

Batched QC is being supplied. The applicable Form 3 is included.

MATRIX SPIKES

Matrix Spikes were not designated to be performed on any of the samples covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this SDG. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency. No analytical problems were encountered.

000015

CASE NARRATIVE
METALS

Login No: 28199,28225,28229,28237 and 28272 SDG No: ALSY5

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample GP110 was utilized as the matrix spike sample for cyanide analysis.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb and Tl. A post-digestion spike was performed for the affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample GP110 was utilized as the duplicate sample for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Cd, Ca, Fe and Mg. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analysis.

Note that an aqueous LCS is not required for Mercury and Cyanide analyses.

SERIAL DILUTION

A serial dilution was performed on a batch sample. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Ca, Fe, Mg, Mn and V, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 28238(TCLP) SDG No: ALSY5

HOLDING TIMES

All samples associated with this Login were prepared and analyzed for mercury outside the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample OCB504 was utilized as the matrix spike sample for these analyses.

Batch QC is being supplied for the HG analysis.

All matrix spike recoveries met the 75-125% recovery criteria.

A post-digestion spike was performed and is reported on Form 5B.

DUPLICATES

Sample OCB504 was utilized as the duplicate sample for these analyses.

Batch QC is being supplied for the HG analysis.

All Relative Percent Differences (RPDs) met QC criteria.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample OCB504. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

000018

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 28263 and 28264 (TCLP)

SDG No: ALSY5

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$. Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Se. A post-digestion spike was performed is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

000020

SERIAL DILUTION

A serial dilution was performed on batch sample. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

Due to a laboratory oversight samples were not analysed for mercury.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Renee Cohen *RC*

Michael Shmookler, Ph.D.
Laboratory Operations Manager

NARRATIVE DISCUSSION
VOLATILES - 28259

SDG NO. ALSY6

INTRODUCTION

This narrative covers the analysis of one (1) aqueous sample in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blank associated with this sample met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Matrix Spikes were not designated to be performed on the sample covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than the sample contained in this login. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No analytical problems were encountered.

000007

NON-CONFORMANCE SUMMARY
(Case Narrative)

Login No. 28259

Metals Data

- **Initial and Continuing Calibration Verification**

All ICV and CCV standards meet QC criteria

Blanks

All preparation blanks and continuing calibration blanks were within the required limits

MS/MSD

Matrix spike recoveries met QC criteria with the exception of Silver and Cyanide. A post digestion spike was performed for the analyte and reported on Form 5B. Duplicate precision met criteria.

Serial Dilution

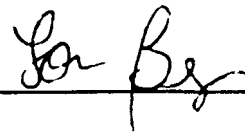
A batched serial dilution was provided.

Samples

Samples were analyzed in accordance with CLP Method ILMO3.0. No analytical problems were encountered.

000003

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.



Michael Shmookler, Ph.D.
Laboratory Operations Manager

**NARRATIVE DISCUSSION
VOLATILES - 28295, 28312,
28324, 28337**

SDG NO. ALSY7

INTRODUCTION

This narrative covers the analysis of nine (9) soil samples in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Sample GP7-04 was utilized in the MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency.

No analytical problems were encountered.

000015

DATA USEABILITY REPORT

This useability report covers the analytical results, submitted by Nytest Environmental, Inc. (Nytest), for the field sampling investigation, conducted by Lawler, Matusky & Skelly Engineers LLP (LMS) between 31 May 1996 and 24 June 1996 at the Alsy Manufacturing site. The analytical reports submitted by Nytest, sample designation groups (SDG) ALSY1, ALSY2, ALSY3 and sample Login No. 27986 were validated by Data Validation Services (DVS). LMS reviewed the data validator's final report and assessed the analytical data against the project data quality objectives (DQOs) in preparation of this report. The laboratory performed all of the necessary actions in order to provide the most representative data and where resulting quality control (QC) data did not fall within protocol requirements the reported data were appropriately qualified. Overall, the majority of the data submitted by Nytest met the project DQOs and are useable to characterize the levels of environmental contaminants in samples collected from the Alsy Manufacturing site.

A total of six (6) probe water samples were collected and processed for contract laboratory program (CLP) target compound list (TCL) volatile organic compounds (VOCs) and target analyte list (TAL) metals and cyanide. In addition, one (1) probe soil sample was submitted to Nytest and processed for toxicity characteristic leaching procedure (TCLP) and the resulting extract analyzed for Resource Conservation and Recovery Act (RCRA) metals. All of the analyses were conducted in accordance with the most recent version of New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP).

For the most part the analytical data submitted by Nytest were compliant with the established protocols, however in some instances the reported data were noncompliant, each of those instances are described in the data validator's report. This useability report presents a discussion of any impacts that noncompliant data and other quality control (QC) issues raised by the data validator have on the useability of the reported results.

Probe Water Samples

Volatile Analyses

Probe water samples submitted to Nytest were analyzed for TCL VOCs in accordance with NYSDEC ASP Method 91-1. The results reported by Nytest were noncompliant with ASP. Where reported values are affected by QC issues raised by the data validator the data useability is discussed below.

1. Establishment of calibration curves from initial calibration standards was not performed as required by the protocol. Accordingly, the related analytical results were found noncompliant by the data validator's report. Although the results were found noncompliant, no qualifier was recommended and the data are useful as reported.
2. Methylene chloride was detected in certain associated blanks and trip blanks at concentrations similar to those reported in the samples. Methylene chloride is a common laboratory contaminant and is considered the result of cross-contamination. Therefore, this compound was considered as undetected and removed from the data summary table.

Metals and Cyanide Analyses

Probe water samples submitted to Nytest were analyzed for TAL metals and cyanide in accordance with methodologies of NYSDEC ASP CLP Inorganics and 335.2, respectively. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. For a total of four login groups, batch QC results were reported together with the results of spike and duplicate on the filtered probe water sample PGW-10. However, matrix effect of the unfiltered samples was not evaluated. Analysis of several filtered samples showed significantly higher results for certain analytes than that of the unfiltered fractions indicating nonhomogeneity in the sample fractions. Without additional matrix information, these

reported dissolved and total analyte concentrations are questionable and should both be used with the following qualifications:

Sample PGW-1, estimated concentrations and extreme caution with calcium, magnesium, manganese, potassium & sodium;

Sample PGW-2, estimated concentrations for calcium, magnesium, manganese & sodium;

Sample PGW-3, estimated concentration and extreme caution with calcium, manganese & sodium;

Samples PGW796 and PGW866, considered estimated: sodium.

The results are useable to demonstrate the relative magnitude of contamination by these analytes in each of the samples affected.

2. Recoveries of certain standards in the analytical sequences were outside the appropriate range and resulted in the following data qualifications of the reported values:

Lead: estimated, possible biased slightly high in sample PGW796;

Thallium: estimated, possible biased slightly high in both filtered and unfiltered sample PGW796;

Thallium: estimated, possible biased low in both filtered and unfiltered sample PGW-10;

Potassium: estimated, in sample PGW866.

These results are useable to show the relative magnitude of these analytes in the samples affected.

3. All reported values of cyanide are questionable due to the very low recovery of the cyanide matrix spike (13% vs 30%). All the results should be considered estimated and biased possibly very low. All the results reported as undetected are not useable to indicate that cyanide is not present in the probe water samples collected. However, very high levels of

cyanide would have been detected. Therefore, it can be concluded that very high levels of cyanide were not present in the samples affected.

Probe Soil Sample

TCLP - RCRA Metals Analysis

One probe soil sample submitted to Nytest was processed in accordance with TCLP Method 1311 and analyzed for RCRA metals. The affect of QC issues addressed by the data validator and the data useability are discussed below.

1. Cadmium and silver results should be considered estimated, possibly biased slightly low due to standard recoveries in the analytical sequence. The results are useable to demonstrate the relative magnitude of cadmium and silver in the sample.
2. The batch QC sample for matrix spike and duplicate analyses contained very high concentrations of analytes. Therefore, the batch QC sample was not comparable with the project sample for accuracy and precision determination. Accordingly, the batch QC results were unsuitable to evaluate matrix effect from this sample.
3. The reported results for arsenic and selenium should be considered estimated possibly biased low due to very low negative instrument response to blanks associated with the analytical sequence. However, the results are useable to show the relative levels of these analytes in the sample.
4. The sample was processed for TCLP outside of the stipulated NYSDEC ASP holding time for mercury by two days, however it was leached within the holding time established by EPA. This holding time exceedance does not affect the usability of the result reported for mercury.

CASE NARRATIVE
METALS

Login No: 28295,28312,28324 and 28337

SDG No: ALSY7

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed within the specified holding time except for sample GP5-04 which was redigested and reanalysed for mercury for confirmation of value obtained in analysis run 08/05/96.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb, Mn and Ag.

A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form1 results as required.

DUPLICATES

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Al, Ca and Cr. The appropriate reporting qualifiers

000016

have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

SERIAL DILUTION

A serial dilution was performed on batch sample. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 28299,28300,28340 and 28371 (TCLP) SDG No: ALSY7

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed for mercury outside the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$, with the exception of Se and Pb. Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample GP7-34 and GP2-48 were utilized as the matrix spike samples for these analyses.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Se.
A post-digestion spike was performed and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample GP7-34 and GP2-48 were utilized as the duplicate samples for these analyses.

All Relative Percent Differences (RPDs) met QC criteria. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

000018

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

CASE NARRATIVE
METALS

Login No: 28299,28300,28340 and 28371 (TCLP) SDG No: ALSY7

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed for mercury outside the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$, with the exception of Se and Pb. Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample GP7-34 and GP2-48 were utilized as the matrix spike samples for these analyses.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Se.

A post-digestion spike was performed and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample GP7-34 and GP2-48 were utilized as the duplicate samples for these analyses.

All Relative Percent Differences (RPDs) met QC criteria. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria, with the exception of Aq.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample GP7-34. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Michael Shmookler", written over a horizontal line.

Michael Shmookler, Ph.D.
Laboratory Operations Manager

NARRATIVE DISCUSSION
VOLATILES - 28313, 28343, 28376

SDG NO. ALSY8

INTRODUCTION

This narrative covers the analysis of four (4) aqueous samples in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blanks were within QC limits.

MATRIX SPIKES

Sample GP13GW and OCB7GW were utilized in the MS/MSD series'. Eighteen (18) of twenty (20) spike recoveries and all RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No analytical problems were encountered.

000011

CASE NARRATIVE
METALS

Login No: 28313

SDG No: ALSY8

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample GP-8GW(ICP,HG),28314-02(CN) were utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Cn. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample GP-8GW(ICP),HG),28314-02(CN) were utilized as the matrix duplicate samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample GP-8GW. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP, etc.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 28343

SDG No: ALSY8

HOLDING TIMES

All samples associated with this LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample GP13GW was utilized as the matrix spike sample for these analyses.

Sample DGP13W(dissolved) was also utilized as the matrix spike sample for mercury analysis.

Note that sample DGP13W was not utilized as the matrix spike sample for other analyses due to the matrix effects demonstrated by the sample.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb, Ba, Cr, Cu, V and Hg. A post-digestion spike was performed for affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample GP13GW(total and dissolved) were utilized as the duplicate samples for these analyses.

All Relative Percent Differences (RPDs) met QC criteria with the exception of Al, Sb, As, Ba, Cr, Cu, Fe, Pb, Mn, Ni, K, V and Zn(total) and Fe and Mn (dissolved).

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the

000014

IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that an aqueous LCS is not required for Mercury and Cyanide analyses.

SERIAL DILUTION

A serial dilution was performed on a sample GP13GW. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Ca and Mn, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

000015

CASE NARRATIVE
METALS

Login No: 28376

SDG No: ALSY8

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample OCB7GW was utilized as the matrix spike sample for these analyses.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb, Hg, Cn. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample OCB7GW was utilized as the matrix duplicate sample for these analyses.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Al, Cr, Cu. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

000016

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample OCB7GW. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Ca, Fe, Mg, V, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Lori Beyer", is written over a solid horizontal line.

Lori Beyer
Laboratory Director

**NARRATIVE DISCUSSION
VOLATILES - 28375, 28403**

SDG NO. ALSY9

INTRODUCTION

This narrative covers the analysis of two (2) aqueous samples in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Sample GP1448 was utilized in the MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

Area responses and retention times fell within an acceptable range, with the exception of sample GP1448MS. No action required.

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency.

No analytical problems were encountered.

000009

CASE NARRATIVE
METALS

Login No: 28375 and 28403

SDG No: ALSY9

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample GP1448 was utilized as the matrix spike sample for these analyses.

Sample DGP122 was utilized as the matrix spike sample for cyanide analysis for Login 28403.

A batch sample was utilized as the matrix spike sample for the mercury analysis of Login 28403.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb, Mn, Hg, Ag and Cn. A post-digestion spike was performed for affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample GP1448 and DGP122 was utilized as the duplicate samples for these analyses.

Note that sample GP1448 was not used as a duplicate sample for mercury.

Batch samples were utilized as the duplicate samples for mercury analysis.

All Relative Percent Differences (RPDs) met QC criteria with the exception of Al, As, Cr, Fe, Mn, Ag, Hg and Zn.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

SERIAL DILUTION

A serial dilution was performed on a sample GP1448. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 28402

SDG No: ALSY9

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Samples 28473-11 (ICP) and 28690-10 (Hg) was utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria.

DUPLICATES

Samples 28473-11 (ICP) and 28690-09 (Hg) were utilized as the duplicate samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

000012

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria. Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample 28473-11. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

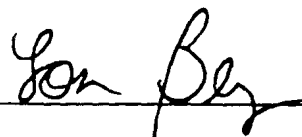
All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Lori Beyer", is written over a horizontal line.

Lori Beyer
Laboratory Director

All Relative Percent Differences (RPDs) met QC criteria.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample 28376-01. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 28449

SDG No: ALSY10

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Samples 28443-04 (ICP and Cn), 2GW687 (ICP), and 2GW667 (Hg) were utilized as the matrix spikes sample for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of aluminum and cyanide. A post-digestion spike was performed for the affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Samples 28443-03 (ICP and Cn), 2GW687 (ICP), and 2GW667 (Hg) were utilized as the duplicate samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of aluminum. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

000012

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on samples 28443-02, and 2GW687. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

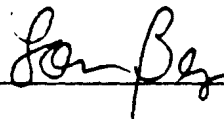
All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Lori Beyer", is written over a horizontal line.

Lori Beyer
Laboratory Director

**NARRATIVE DISCUSSION
VOLATILES - 28447**

SDG NO. ALSY11

INTRODUCTION

This narrative covers the analysis of one (1) soil sample in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blank associated with this sample met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Sample DGP304 was utilized in the MS/MSD series. All spike recoveries and RPD values fell within the advisory QC limits.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and not sample constituency.

No analytical problems were encountered.

000007

CASE NARRATIVE
METALS

Login No: 28447

SDG No: ALSY11

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample DGP304 was utilized as the matrix spike sample for these analyses.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Cu,Mn. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample DGP304 was utilized as the matrix duplicate sample for these analyses.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Ca,Pb,Se. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

000008

Please note that the lower limit of LCS ERA228 is below the IDL for Sodium . Therefore, an LCS reported as a non-detect for Sodium is considered as acceptable.

SERIAL DILUTION

A serial dilution was performed on sample DGP304. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Ca,Mn, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

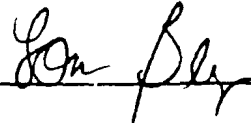
All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.

A handwritten signature in cursive script, appearing to read "Lori Beyer", is written over a horizontal line.

Lori Beyer
Laboratory Director

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTH
GP110	2819901	✓				✓	✓
OCB148	2822501	✓				✓	✓
OCB322	2822502	✓				✓	✓
GP2-10	2822901	✓				✓	✓
TB-03	2822902	✓					✓
GP3-10	2823701	✓				✓	✓
GP4-4	2823702	✓				✓	✓
OCB648	2827201	✓				✓	✓
OCB410	2823801					✓	✓
OCB504	2823802					✓	✓
OCB610	2826301					✓	✓
CB304	2826401					✓	✓
OCB1-10	2826402					✓	✓
OCB3-10	2826403					✓	✓
OCB748	2826404					✓	✓
GP148	2826405					✓	✓

nytest environmental nc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2819901	SOIL	6-28	6-28	NA	7-4
2822801	"	"	"		"
02	"	"	"		"
2822901	SOIL	7-1	7-1		7-6
02	WATER	"	"		"
2827201	SOIL	6-26	6-27		7-10
2823701	"	7-2	7-2		7-9
02	"	"	"	↓	"

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALY
28237-01	Soil	TLC + TCN	7/2/96	7/10/96 ^{18 ON} 7/24 7/18	7/29 7/24
02					
2819901			6/28/96		
2822501			6/28/96	7/23 ¹⁸	
02					
2822901			7/1/96		
2827201			6/27/96	7/24	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
28238 01	TCLP	ASPTCLP	6/26/96	7/8 7/21/96	8/21
02					
28264 01			6/28/96	7/16/96	7/27/96
02					
03					
04					
05					
28263 01			6/27/96		

* NO Hg analyzed for 28264 + 28263

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OT
GP-26W	8825901	✓				✓	

nytest environmental_{nc}

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2825901	WATER	7-7-76	7-7-76	NA	7-6-76

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
25759-01	AQ	Full TAL + Cu	7-3-96	7-23-96 8-8-96 7-8-96	7-26-96 7-30-96 8-

nytest environmental_{inc}

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					METALS	OTHER
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method			
GP5-04	2829501	✓				✓		
GP6-04	↓ 02	✓				✓	✓	
GP7-04	↓ 03	✓				✓	✓	
GP3-22	2829901					✓		
GP4-10	↓ 02					✓		
GP2-48	2830001					✓		
GP-848	2831201	✓				✓	✓	
GP-904	↓ 02	✓				✓	✓	
GP10-4	2832401	✓				✓	✓	
GP11-0	↓ 02	✓				✓	✓	
GP1210	2833701	✓				✓	✓	
GP1348	↓ 02	✓				✓	✓	
GP5-34	2834001					✓		
GP6-10	↓ 02					✓		
GP7-34	↓ 03					✓		
GP8-10	2837101					✓		
GP9-12	↓ 02					✓		

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

**SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES**

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2829501	Soil	07-08-96	07-09-96	NA	07-15-96
2829502		↓	↓		
2829503		↓	↓		
2831201		07-09-96	07-10-96		
2831202		↓	↓		↓
2832401		07-10-96	07-11-96		↓
2832402		↓	↓		07-18-96
2833701	✓	07-11-96	07-12-96	✓	07-18-96
2833702	✓	07-12-96	↓	✓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
28295 01	Soil	TCL + TCN	7/9/96	7/19 ^{by CN} 8/13. 7/15	8/5 8/13
02			↓	8/2	8/5
03			↓	8/2	
28312 01			7/10/96		
02			↓	↓	↓
28324 01			7/11/96	7/18	7/2
02			↓	↓	↓
28337 01			7/12/96	8/3 7/17	8/7 7/1
02			↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALY
28299 01	TCLP	TCLP Metals	7/2	7/21 ⁴⁹ 8/15	7/23 8
02			↓	↓	↓
28300 01			7/1		
28340 01			7/9		
02			↓	↓	↓
03			↓	↓	↓
28371 01			7/10		
02			↓	↓	↓

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHE
GP-8GW	2831301	✓				✓	✓
GP136W	2834301	✓				✓	✓
GP136WMS	↓ 02	✓				✓	✓
GP136WMSD	03	✓				✓	✓
FB01	↓ 04	✓				✓	✓
OCB76W	2837601	✓				✓	✓
OCB76WMS	02	✓				✓	✓
OCB76WMSD	03	✓				✓	✓

nytest environmental nc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed	
2831301	WATER	7-9	7-10	NA	7-15	
2837601	"	7-15	7-16	↓	7-18	
02	"	"	"		"	
03	"	"	"		"	
2834301	"	7-12	7-12		7-16	
02	"	"	"		"	
03	"	"	"		"	
04	"	"	"		"	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
2831301	WATR	TCL METALS	7-10-96	7-16-96 7-17-96	7-16-96 8-5-96
				8-5-96	8-6-96

00000

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
2 28343	01 020	(TDT+PLS) TCT	7/12/96	7/18/96 ⁴⁹ 7/16	8/14/96 7/7/96
	035				
	04			7/25	8/1

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
2837601	WATER	TCL metals	7-16-96	7-18-96 7-24-96	7-24-96 8-21-96
02	↓	↓	↓	8-5-96	↓
03	↓	↓	↓	↓	↓

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
GP1448	2837501	✓				✓	✓
GP1448MS	↓ 02	✓				✓	✓
GP1448MSD	↓ 03	✓				✓	✓
GP1004	2840201					✓	
GP1148	↓ 02					✓	
GP1204	↓ 03					✓	
GP1381	↓ 04					✓	
D6P122	2840301	✓				✓	✓

nytest environmental nc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
28375 01	SOIL	7-15-96	7-16-96	NA	7-23-96
02	↓	↓	↓	↓	↓
03	↓	↓	↓	↓	↓
28403 01	↓	7-11-96	7-11-96	↓	7-26-96

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
GP1004 (28402-01) GP1148 (28402-02) GP1204 (28402-03) GP1381 (28402-04)	Water	TCLP Metals.	07/18/96	07/29/96 08/28/96	08/16/96 08/28/96
GP1448 2837501	Soil	TCL Metals	07/16/96	7/25/96 ^{11/19/96} 8/1/96	8/7, 8/8, 7/26
GP1448 MS 02	↓	↓	↓	7/28/96	7/22, 8/1
GP1448 MSD 03	↓	↓	↓	↓	↓
DGP122 2840301	Soil	TCL Metals	07/18/96	↓, 8/8/96	↓

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHE
DGP66	2842301	✓				✓	✓
2GW687	2844901	✓				✓	✓
FB-02	↓ 02	✓				✓	✓
2GW667	↓ 03	✓				✓	✓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
2842301	WATER	TCL Metals	7-19-96	8-12-96 7-24-96 7-26-96	7-26-96 8-15-96 8-12-96 8-13-96 8-23-96

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
2GW687 (28449-01) FB-02 (28449-02) 2GW667 (28449-03)	Water	Total and dissolved TAL, and TCN	07/23/96	07/29/96 08/18/96 07/26/96	08/21/96 08/22/96 08/19/96 07/26/96

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
D6P304	2844701	✓				✓	✓
D6P304MS	↓ 02	✓				✓	✓
D6P304MSD	↓ 03	✓				✓	✓

nytest environmental, inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2844701	So. l	07-22-96	07-23-96	NA	07-29-96
2844702	↓	↓	↓	↓	↓
2844703	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
28447 01	SOIL	PEL Metal	7-23-96	7-30-96	8-2-96
027	↓	↓	↓	8-1-96	9-6-96
035	↓	↓	↓	8-8-96	↓

Data Validation Services

Cobble Creek Road P. O. Box 208

North Creek, N. Y. 12853

Phone 518-251-4429

LAWLER, MATUSKY &
SKELLY ENGINEERS LLP

OCT 28 1996

For Hazardous Waste Section

October 24, 1996

Maria Heincz
LMS Engineers
One Blue Hill Plaza
Pearl River, NY 10965

RE: Validation of ALSY Site Data Packages
NEI SDG Nos. ALSY12 and ALSY13

Dear Ms. Heincz:

Review has been completed for the data packages generated by Nytest Environmental Laboratories, pertaining to samples collected at the ALSY Site. Nine aqueous samples were analysed for TCL Volatiles, and total/dissolved TAL metals/cyanide. Five soil samples were analysed for volatile and metals; two of these were also analysed for TCLP metals. Field and trip blanks were processed, batch QC were reported for volatiles; project and batch QC matrix spikes/duplicates were analysed for metals. Methodologies utilized are those of the 1991 NYSDEC ASP.

Data validation was performed with guidance from the most current editions of the USEPA CLP National Functional Guidelines for Organic and Inorganic Data Review and the USEPA SOPs HW-2 and HW-6. The following items were reviewed:

- * Data Completeness
- * Custody Documentation
- * Holding Times
- * Surrogate and Internal Standard Recoveries
- * Matrix Spike Recoveries/Duplicate Correlations
- * Preparation/Calibration Blanks
- * Control Spike/Laboratory Control Samples
- * Instrumental Tunes
- * Calibration Standards
- * Instrument IDLs
- * Method Compliance
- * Sample Result Verification

Those items showing deficiencies are discussed in the following sections of this report. All others were found to be acceptable as outlined in the above-mentioned validation procedures, and as applicable for the methodology. Unless noted specifically in the following text, reported results are substantiated by the raw data, and generated in compliance with protocol requirements.

In summary, sample processing was primarily conducted with compliance to protocol requirements and with adherence to quality criteria. Certain edits to, and qualification of, reported results are indicated. These issues are discussed in the following analytical sections.

Copies of laboratory case narratives are attached to this narrative, and should be reviewed in conjunction with this narrative. A compliancy chart and laboratory NYSDEC Sample Preparation and Analysis Summary Forms are also included with this report.

Data Completeness

The laboratory NYSDEC Sample Identification Summary Form for ALSY12 was incomplete in the sample listing.

Volatile Analyses

Methylene chloride and acetone were detected in certain of the method blanks and trip blanks at concentrations similar to those of the samples. The sample reported methylene chloride and acetone results should therefore be edited to reflect nondetection at either the CRDL or at the originally reported value, whichever is greater.

Aqueous matrix spikes were performed on project sample LMS-2. The matrix spike consistently had outlying recoveries, significantly lower than the matrix spike duplicate. Therefore the duplicate correlation values were also high. The surrogate recoveries of these matrix spikes do not show similar variance, and therefore a spike error is suspected. Sample reported results are unaffected.

No soil matrix spikes were performed on these project samples. Batch QC was acceptable. The end user of the data should consider the fact that the effect of soil sample matrix is not evaluated for these samples.

Initial calibration standards from instrument P were not analysed in a consecutive fashion which is required by protocol. Multiple injections were made for each concentration, and the five standards for the calibration curve were selected from them. No qualification of sample results is herein recommended for this noncompliance.

Metals/CN Analyses

For SDG ALSY12, the reported Client Sample IDs on the Forms I-IN should have distinguished between the filtered and unfiltered sample fractions. The laboratory ID numbers do show letter prefixes.

Aqueous sample matrix spike/duplicate evaluations were performed on sample MW-2-T (total), LMS-2-T (total) and LMS-2-D (dissolved). Although accuracy and precision values for MW-2 were acceptable, all samples in SDG ALSY12 will be qualified per outliers of LMS-2 (per protocol):

The results for silver in all aqueous samples should be considered estimated, with borderline usability due to low recoveries in LMS-2-T (16%) and LMS-2-D (18%). The **detected** results for aluminum (560%) and manganese (139%) in the unfiltered samples should be considered estimated due to elevated recoveries. Cyanide should be considered estimated due to low recovery (73%, just below recommended limit of 75%).

Iron showed poor duplicate correlation for total and dissolved, and iron results should be considered estimated.

Serial dilution results on the dissolved sample were acceptable. Aluminum and calcium produced outlying serial dilution values in the unfiltered sample (13%D and 12%D), and results for those two analytes in the unfiltered samples should be considered estimated.

No project soil matrix spikes, duplicate, or serial dilution evaluations were performed, with the exception of mercury (which was acceptable for sample B-4). The end user of the data should consider the fact that the effect of soil sample matrix is not evaluated for these samples. Batch QC showed low recoveries for antimony and silver, and outlying serial dilution values for aluminum, calcium, iron, magnesium, and manganese. The nature of the matrix effect of the batch QC sample as compared to that of the project samples is unknown.

Zinc was found at significantly higher levels in the dissolved than in the unfiltered fractions of samples AMS-1 and AMS-2. Therefore the reported zinc values in AMS-1-T, AMS-1-D, AMS-2-T, and AMS-2-D should be rejected. Sample nonhomogeneity or contamination is suspected.

Thallium produced large negative responses, possibly matrix related, in samples B-2, B-4, and B-5. Values ranged from -11 to -23 ug/L (CRDL is 10 ug/L). Therefore the reported detection limit for thallium in these samples should be considered estimated.

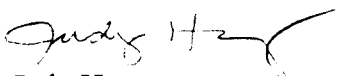
TCLP Metals Analyses

The TCLP preparation blank produced an elevated level of chromium (57 ug/L). Therefore the reported detection of chromium in B-3 should be rejected, and that in B-4 should be considered estimated. It is appropriate to consider nondetection at an elevated detection limit for B-3, corresponding to the originally reported value.

The TCLP matrix spike/duplicate evaluation of mercury was performed on B-4, with acceptable results. Batch QC was reported for the other TCLP analytes, for accuracy, precision, and serial dilution, and was acceptable. The end-user of the data should be aware that matrix effect from these samples is not evaluated.

Please do not hesitate to contact me if questions or comments arise during your review of this report.

Very truly yours,


Judy Harry

COMPLIANCY CHART

Project: LMS Engineers --ALSY Site

SDG Nos. NEI SDG Nos. ALSY 12 and 13

Protocol: 1991 NYSDEC ASP

Rec. Date	Sample ID	Matrix	VOA	Metals/CN	Other Noncompliance
09-10-96	AMS-1	Aqueous	OK	OK	OK
09-10-96	AMS-2	Aqueous	OK	OK	OK
09-10-96	TB-1	Aqueous	OK	NR	NR
09-11-96	MW-3	Aqueous	OK	OK	OK
09-11-96	LM505	Aqueous	OK	OK	OK
09-11-96	LM504	Aqueous	OK	OK	OK
09-11-96	FB01	Aqueous	OK	OK	OK
09-11-96	TB-2	Aqueous	OK	NR	NR
09-12-96	LMS-6	Aqueous	OK	OK	OK
09-12-96	LMS-2	Aqueous	OK	OK	OK
09-13-96	LMS-1	Aqueous	OK	OK	OK
09-13-96	LMS-3	Aqueous	OK	OK	OK
09-13-96	TB-3	Aqueous	OK	NR	NR

Rec. Date	Sample ID	Matrix	VOA	Metals	TCLP Metals
09-13-96	B-1	Soil	OK	OK	NR
09-13-96	B-2	Soil	OK	OK	NR
09-13-96	B-3	Soil	OK	OK	OK
09-13-96	B-4	Soil	OK	OK	OK
09-13-96	B-5	Soil	OK	OK	NR

NARRATIVE DISCUSSION
VOLATILES - 29010, 29024, 29037
SDG Number - ALSY12

INTRODUCTION

This narrative covers the analysis of thirteen (13) aqueous samples in accordance with protocols based on NYSDEC ASP (12/91).

HOLDING TIMES

The analytical holding times for this analysis were met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method. All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blanks associated with these samples met all method requirements.

SURROGATES

All samples met surrogate QC criteria.

MATRIX SPIKES

Sample LMS-2 was utilized in the MS/MSD series. Five (5) spike recoveries fell outside advisory QC limits. All RPD values fell within advisory QC limits.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

The TICs identified as "Unknown Siloxane" are most probably due to column degradation and/or background interferences, not sample constituency. No other analytical problems were encountered.

CASE NARRATIVE
METALS

Login No: 29010

SDG No: ALSY12

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

Note that CLP SOW ILM03.0 does not specify control limits for the CRDL standard.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample 28946-03(ICP), 29012-05(HG), 2901401(CN) were utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Fe, Pb, Cn. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample 28946-03(ICP), 29012-05(HG), 29014-01(CN) were utilized as the matrix duplicate samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

000012

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Ca,Cr,Fe,Pb,Mg,K,Se,Na. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample 28946-03. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in CLP SOW ILM03.0.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 29024

SDG No: ALSY12

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample 29024-01(ICP), 29037-02(Hg,Cn) were utilized as the matrix spike samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Cn. A post-digestion spike was performed for the affected analytes and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample 29024-01(ICP), 29037-02(Hg,Cn) were utilized as the matrix duplicate samples for these analyses.

Site specific QC was not requested for this login, therefore, batch QC is being supplied. Note that any matrix effects demonstrated by the batch QC sample may not be indicative of any potential matrix effects associated with the samples from this login.

All Relative Percent Differences (RPDs) met QC criteria.

000014

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample 29024-01. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in CLP SOW ILM03.0.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 29037

SDG No: ALSY12

HOLDING TIMES

All samples associated with this SDG/LOGIN were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample LMS-2MSD was utilized as the matrix spike sample for these analyses.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of manganese, silver, and cyanide for the total analysis. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver. No post-digestion spike was performed for aluminum because the sample concentration was greater than three times the spike value.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample LMS-2MS was utilized as the duplicate sample for these analyses.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of iron for the total analysis. The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

000016

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

Note that the distilled ICV is used as the LCS for Cyanide analyses.

Note that an aqueous LCS is not required for Mercury analysis.

SERIAL DILUTION

A serial dilution was performed on sample LMS-2. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of aluminum and calcium for the total analysis, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

000017

**NARRATIVE DISCUSSION
VOLATILES - 29065**

SDG NO. ALSY13

INTRODUCTION

This narrative covers the analysis of five (5) soil samples in accordance with protocols based on NYSDEC ASP(12/91).

HOLDING TIMES

The analytical holding time for this analysis was met.

CALIBRATIONS

All required minimum RRFs and maximum %RSD initial calibration requirements have been met in accordance with the method.

All required minimum RRFs and maximum %D continuing calibration requirements have been met in accordance with the method.

METHOD BLANKS

The method blank associated with these samples met method requirements.

SURROGATES

All surrogate recoveries met QC criteria.

MATRIX SPIKE BLANKS

The recoveries for the matrix spike blank were within QC limits.

MATRIX SPIKES

Matrix Spikes were not designated to be performed on any of the samples covered by this report. Batched QC is being supplied. Note that non site specific QC may demonstrate differing matrix affects than samples contained in this login. The applicable Form 3 is, therefore, being supplied. Applicable raw data is available upon request.

INTERNAL STANDARDS

All area responses and retention times fell within an acceptable range.

SAMPLE COMMENTS

No analytical problems were encountered.

000003

CASE NARRATIVE
METALS

Login No: 29065

SDG No: ALSY13

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample B-4 was utilized as the matrix spike sample for the mercury analysis.

Site specific QC was not requested for this login, therefore, batch QC is being supplied for other analyses.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Sb and Ag. A post-digestion spike was performed for the affected analytes and is reported on Form 5B. Note that a post-digestion spike is not required for silver.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample B-4 was utilized as the duplicate sample for the mercury analysis.

Site specific QC was not requested for this login, therefore, batch QC is being supplied.

All Relative Percent Differences (RPDs) met QC criteria.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

000004

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

SERIAL DILUTION

A serial dilution was performed on a batch sample. All percent differences (%D) were within the $\pm 10\%$ acceptance limits, with the exception of Al, Ca, Fe, Mg and Mn, indicating a potential interference on sample quantitation from the sample matrix.

SAMPLES

All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

CASE NARRATIVE
METALS

Login No: 29065(TCLP)

SDG No: ALSY13

HOLDING TIMES

All samples associated with this SDG were prepared and analyzed within the specified holding time.

CALIBRATIONS

All ICV and CCV standards meet QC criteria.

The percent recovery of all components in the CRDL standard recovered within NEI control limits of $\pm 50\%$.

BLANKS

All preparation blanks and calibration blanks associated with these analyses meet QC criteria.

MATRIX SPIKES

Sample B-4 was utilized as the matrix spike sample for the mercury analysis.

Site specific QC was not requested for this login, therefore, batch QC is being supplied for other analyses.

All matrix spike recoveries met the 75-125% recovery criteria, with the exception of Cr.

A post-digestion spike was performed and is reported on Form 5B.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

DUPLICATES

Sample B-4 was utilized as the duplicate sample for the mercury analysis.

Site specific QC was not requested for this login, therefore, batch QC is being supplied.

All Relative Percent Differences (RPDs) met QC criteria, with the exception of Cr.

The appropriate reporting qualifiers have been applied to the Form 1 results as required.

Note that all RPDs of 200% are due to one analyte being reported above the Instrument Detection Limit (IDL) and one result below the IDL.

000006

LABORATORY CONTROL SAMPLE (LCS)

The percent recovery of all components in the LCS met QC criteria.

SERIAL DILUTION

A serial dilution was performed on batch sample. All percent differences (%D) were within the $\pm 10\%$ acceptance limits.

SAMPLES

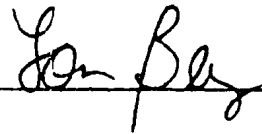
All samples were analyzed in accordance with the requirements of the methods described in NYSDEC ASP.

No further analytical problems were encountered.

SPECIAL PROJECT NOTES

None.

I certify this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Laboratory Director or her designee, as verified by the following signature.



Lori Beyer
Laboratory Director

000018

WATERS TEST ENVIRONMENTALS

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements				
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS OTHER
LMS-6	2903701	X				X X
LMS-2	02	↓				↓
LMS-2MS	03					
LMS-2MSD	04					
LMS-1	05					
LMS-3	06					
TB-3	07					

nytest environmental_{nc}

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analy
2901001	WATER	09/10/96	09/10/96	NA	09/16/97
2901002		↓	↓		
2901003		↓	↓		
2902401		09/11/96	09/11/96		
2902402		↓	↓		
2902403		↓	↓		
2902404		↓	↓		
2902405		↓	↓		
29037-01		09/12/96	09/12/96		
2903702		↓	↓		
2903703		↓	↓		
2903704		↓	↓		
2903705		↓	↓		
2903706		↓	↓		
2903707	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
B-1	2906501	✓				✓	
B-2	02	✓				✓	
B-5	03	✓				✓	
B-3	04	✓				✓	
B-4	05	✓				✓	

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE (VOA)
ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed
2906501	Soil	04-13-96	09-13-96	NA	09-19-96
2906502	↓	↓	↓	↓	↓
2906503	↓	↓	↓	↓	↓
2906504	↓	↓	↓	↓	↓
2906505	↓	↓	↓	↓	↓

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY

INORGANIC ANALYSES

SAMPLE ID	MATRIX	METALS REQUESTED	DATE RECEIVED	DATE DIGESTED	DATE ANALYZED
29065-01	Sol	TCL	9/13/96	9/25 ^H 9/27	9/26 ^K 10/1 ^H 9/2
02					
03					
04					
05					
29065 04	TCLP	TCLP METALS	9/13/96	10/1 ^H 10/2	10/1 ^K 10/2
05					

000012

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100

APPENDIX H
ANALYTICAL DATA SUMMARY SHEETS



NYTEST ENVIRONMENTAL Inc.

SDG: ALSY1

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2782701	PGW-1	Water
2782702	PGW-2	Water
2782703	PGW-3	Water
2782704	TB531	Water

000001

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY1

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2796001	PGW796	Water
2796002	TB-1	Water

000002

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
PGW-1	2782701	✓				✓	✓
PGW-2	02	✓				✓	✓
PGW-3	03	✓				✓	✓
TB531	04	✓					
PGW796	2796001	✓				✓	✓
TB-1	02	✓					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PGW-1

Lab Name: NYTEST ENV INC Contract: 9622571

Lab Code: NYTEST Case No.: 27827 SAS No.: SDG No.: ALSY1

Matrix: (soil/water) WATER Lab Sample ID: 2782701

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0161.D

Level: (low/med) LOW Date Received: 06/01/96

% Moisture: not dec. _____ Date Analyzed: 06/05/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

PGW-1

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2782701

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0161.D

Level: (low/med) LOW

Date Received: 06/01/96

% Moisture: not dec. _____

Data Analyzed: 06/05/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PGW-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2782702

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0162.D

Level: (low/med) LOW

Date Received: 06/01/96

% Moisture: not dec. _____

Date Analyzed: 06/05/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

Q

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

PGW-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2782702

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0162.D

Level: (low/med) LOW

Date Received: 06/01/96

% Moisture: not dec. _____

Data Analyzed: 06/05/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PGW-3

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2782703

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0163.D

Level: (low/med) LOW

Date Received: 06/01/96

% Moisture: not dec. _____

Date Analyzed: 06/05/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

PGW-3

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2782703

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0163.D

Level: (low/med) LOW

Date Received: 06/01/96

% Moisture: not dec. _____

Data Analyzed: 06/05/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PGW796

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2796001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1090.D

Level: (low/med) LOW

Date Received: 06/07/96

% Moisture: not dec. _____

Date Analyzed: 06/14/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

PGW796

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2796001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1090.D

Level: (low/med) LOW

Date Received: 06/07/96

% Moisture: not dec. _____

Data Analyzed: 06/14/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB-1

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2796002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1097.D

Level: (low/med) LOW

Date Received: 06/07/96

% Moisture: not dec. _____

Date Analyzed: 06/14/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	4	JB
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB-1

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2796002

Sample wt/vol: 5.0

(g/mL) ML

Lab File ID: P1097.D

Level: (low/med) LOW

Date Received: 06/07/96

% Moisture: not dec. _____

Data Analyzed: 06/14/96

GC Column: CAP

ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
=====	=====	=====	=====	=====
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB531

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2782704

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0160.D

Level: (low/med) LOW

Date Received: 06/01/96

% Moisture: not dec. _____

Date Analyzed: 06/05/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	6	JB
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB531

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27827

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2782704

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0160.D

Level: (low/med) LOW

Date Received: 06/01/96

% Moisture: not dec. _____

Data Analyzed: 06/05/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DPGW-1

Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Code: NYTEST Case No.: 27827_ SAS No.: _____ SDG No.: ALSY1_

Matrix (soil/water): WATER Lab Sample ID: D782701

Level (low/med): LOW_ Date Received: 06/01/96

Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.9	U		P
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	3.2	B		P
7440-39-3	Barium	217			P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	81100			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	12.7	B	E	P
7440-50-8	Copper	6.7	B		P
7439-89-6	Iron	39800			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	13900			P
7439-96-5	Manganese	2470			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	13.5	B		P
7440-09-7	Potassium	10900			P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	42100			P
7440-28-0	Thallium	3.8	B		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	9.0	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
DISSOLVED _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DPGW-2

Name: NYTEST_ENV_INC Contract: 9622571

Code: NYTEST Case No.: 27827 SAS No.: SDG No.: ALSY1

Matrix (soil/water): WATER

Lab Sample ID: D782702

Level (low/med): LOW

Date Received: 06/01/96

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.9	U		P
7440-36-0	Antimony	5.1	B		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	153	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	76400			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	10.1	B	E	P
7440-50-8	Copper	1.3	U		P
7439-89-6	Iron	2100			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	8950			P
7439-96-5	Manganese	4030			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	9.1	B		P
7440-09-7	Potassium	10600			P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	19600			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	11.9	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Remarks:
 UNDISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DPGW-3

Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Code: NYTEST Case No.: 27827_ SAS No.: _____ SDG No.: ALSY1_

Matrix (soil/water): WATER

Lab Sample ID: D782703

Level (low/med): LOW__

Date Received: 06/01/96

Solids: _____0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.9	U		P
7440-36-0	Antimony	7.1	B		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	48.4	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	16800			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	14.6	B	E	P
7440-50-8	Copper	1.3	U		P
7439-89-6	Iron	6340			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	4280	B		P
7439-96-5	Manganese	665			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	19.6	B		P
7440-09-7	Potassium	2820	B		P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	25500			P
7440-28-0	Thallium	2.1	U		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	4.4	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments: DISSOLVED _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

PGW-1

Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Code: NYTEST Case No.: 27827_ SAS No.: _____ SDG No.: ALSY1_

Matrix (soil/water): WATER Lab Sample ID: 782701

Level (low/med): LOW_ Date Received: 06/01/96

Solids: _____0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1810	—	—	P
7440-36-0	Antimony	4.0	B	—	P
7440-38-2	Arsenic	3.5	B	—	P
7440-39-3	Barium	226	—	—	P
7440-41-7	Beryllium	0.73	B	—	P
7440-43-9	Cadmium	0.40	U	—	P
7440-70-2	Calcium	32300	—	—	P
7440-47-3	Chromium	84.8	—	—	P
7440-48-4	Cobalt	12.7	B	E	P
7440-50-8	Copper	64.8	—	—	P
7439-89-6	Iron	41300	—	—	P
7439-92-1	Lead	3.5	—	—	P
7439-95-4	Magnesium	5430	—	—	P
7439-96-5	Manganese	1090	—	—	P
7439-97-6	Mercury	0.36	—	—	CV
7440-02-0	Nickel	27.3	B	—	P
7440-09-7	Potassium	4910	B	—	P
7782-49-2	Selenium	3.8	B	—	P
7440-22-4	Silver	0.70	B	N	P
7440-23-5	Sodium	16300	—	—	P
7440-28-0	Thallium	2.4	B	—	P
7440-62-2	Vanadium	12.0	B	—	P
7440-66-6	Zinc	12.2	B	—	P
	Cyanide	10.0	U	N	AS

Color Before: BROWN_ Clarity Before: TURBID Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

PGW-2

Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Code: NYTEST Case No.: 27827_ SAS No.: _____ SDG No.: ALSY1_

Matrix (soil/water): WATER Lab Sample ID: 782702

Level (low/med): LOW_ Date Received: 06/01/96

Solids: _____0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	15600	—	—	P
7440-36-0	Antimony	4.0	B	—	P
7440-38-2	Arsenic	19.3	—	—	P
7440-39-3	Barium	263	—	—	P
7440-41-7	Beryllium	0.66	B	—	P
7440-43-9	Cadmium	0.40	U	—	P
7440-70-2	Calcium	56600	—	—	P
7440-47-3	Chromium	66.5	—	—	P
7440-48-4	Cobalt	16.6	B	E	P
7440-50-8	Copper	32.2	—	—	P
7439-89-6	Iron	36500	—	—	P
7439-92-1	Lead	12.9	—	—	P
7439-95-4	Magnesium	8020	—	—	P
7439-96-5	Manganese	3390	—	—	P
7439-97-6	Mercury	0.33	—	—	CV
7440-02-0	Nickel	24.9	B	—	P
7440-09-7	Potassium	8170	—	—	P
7782-49-2	Selenium	4.7	B	—	P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	14400	—	—	P
7440-28-0	Thallium	3.4	B	—	P
7440-62-2	Vanadium	37.0	B	—	P
7440-66-6	Zinc	32.1	—	—	P
	Cyanide	10.0	U	N	AS

Color Before: BROWN _____ Clarity Before: TURBID Texture: _____

Color After: YELLOW _____ Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1

EPA SAMPLE NO.

INORGANIC ANALYSES DATA SHEET

PGW-3

Name: NYTEST_ENV_INC Contract: 9622571

Code: NYTEST Case No.: 27827 SAS No.: SDG No.: ALSY1

Matrix (soil/water): WATER Lab Sample ID: 782703

Level (low/med): LOW Date Received: 06/01/96

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2580			P
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	14.5			P
7440-39-3	Barium	74.7	B		P
7440-41-7	Beryllium	0.94	B		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	5490			P
7440-47-3	Chromium	35.0			P
7440-48-4	Cobalt	17.0	B	E	P
7440-50-8	Copper	26.9			P
7439-89-6	Iron	32200			P
7439-92-1	Lead	15.0			P
7439-95-4	Magnesium	1310	B		P
7439-96-5	Manganese	299			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	10.9	B		P
7440-09-7	Potassium	715	B		P
7782-49-2	Selenium	3.5	B		P
7440-22-4	Silver	0.70	U	N	P
7440-23-5	Sodium	6470			P
7440-28-0	Thallium	2.8	B		P
7440-62-2	Vanadium	28.0	B		P
7440-66-6	Zinc	24.5			P
	Cyanide	10.0	U	N	AS

Color Before: BROWN Clarity Before: TURBID Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DPGW796

Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Code: NYTEST Case No.: 27960_ SAS No.: _____ SDG No.: ALSY1_

Matrix (soil/water): WATER Lab Sample ID: D796001

Level (low/med): LOW_ Date Received: 06/07/96

Solids: _____0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	68.1	B		P
7440-36-0	Antimony	3.9	U	*	P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	41.7	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.64	B		P
7440-70-2	Calcium	13300			P
7440-47-3	Chromium	0.65	B	E	P
7440-48-4	Cobalt	7.2	B		P
7440-50-8	Copper	1.3	U		P
7439-89-6	Iron	4270			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	1800	B		P
7439-96-5	Manganese	478			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.3	B		P
7440-09-7	Potassium	3710	B		P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	50000			P
7440-28-0	Thallium	6.1	B		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	2.1	U		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments: DISSOLVED _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

PGW796

Name: NYTEST_ENV_INC Contract: 9622571

Code: NYTEST Case No.: 27960 SAS No.: SDG No.: ALSY1

Matrix (soil/water): WATER

Lab Sample ID: 796001

Level (low/med): LOW

Date Received: 06/07/96

Concentration Units (ug/L or mg/kg dry weight): UG/L

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	20600			P
7440-36-0	Antimony	21.0	B	*	P
7440-38-2	Arsenic	108			P
7440-39-3	Barium	168	B		P
7440-41-7	Beryllium	3.6	B		P
7440-43-9	Cadmium	1.2	B		P
7440-70-2	Calcium	12700			P
7440-47-3	Chromium	118		E	P
7440-48-4	Cobalt	14.0	B		P
7440-50-8	Copper	83.4			P
7439-89-6	Iron	136000			P
7439-92-1	Lead	30.2			P
7439-95-4	Magnesium	1830	B		P
7439-96-5	Manganese	655			P
7439-97-6	Mercury	0.36			CV
7440-02-0	Nickel	25.4	B		P
7440-09-7	Potassium	3670	B		P
7782-49-2	Selenium	7.7			P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	36300			P
7440-28-0	Thallium	21.5			P
7440-62-2	Vanadium	160			P
7440-66-6	Zinc	50.3			P
	Cyanide	10.0	U		AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY2

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2796201
2796202

PGW866
TB

Water
Water

000001

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
PGW866	2796201	✓				✓	✓
TB	↓ 02	✓					

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PGW866

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27962

SAS No.:

SDG No.: ALSY2

Matrix: (soil/water) WATER

Lab Sample ID: 2796201

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1150.D

Level: (low/med) LOW

Date Received: 06/11/96

% Moisture: not dec. _____

Date Analyzed: 06/18/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000012

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

PGW866

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27962

SAS No.:

SDG No.: ALSY2

Matrix: (soil/water) WATER

Lab Sample ID: 2796201

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1150.D

Level: (low/med) LOW

Date Received: 06/11/96

% Moisture: not dec. _____

Data Analyzed: 06/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000013

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDC SAMPLE NO.

TB

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27962

SAS No.:

SDG No.: ALSY2

Matrix: (soil/water) WATER

Lab Sample ID: 2796202

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1149.D

Level: (low/med) LOW

Date Received: 06/11/96

% Moisture: not dec. _____

Date Analyzed: 06/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

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

000014

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 27962

SAS No.:

SDG No.: ALSY2

Matrix: (soil/water) WATER

Lab Sample ID: 2796202

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1149.D

Level: (low/med) LOW

Date Received: 06/11/96

% Moisture: not dec. _____

Data Analyzed: 06/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000015

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DPGW866

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 27962_ SAS No.: _____ SDG No.: ALSY2_

Matrix (soil/water): WATER Lab Sample ID: D796201

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

% Solids: _0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	81.7	B		P
7440-36-0	Antimony	3.9	U	*	P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	93.1	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.89	B		P
7440-70-2	Calcium	31400			P
7440-47-3	Chromium	1.9	B	E	P
7440-48-4	Cobalt	43.8	B		P
7440-50-8	Copper	1.3	U		P
7439-89-6	Iron	17500			P
7439-92-1	Lead	1.5	U		P
7439-95-4	Magnesium	4330	B		P
7439-96-5	Manganese	3750			P
7439-97-6	Mercury	0.20	U	*	CV
7440-02-0	Nickel	36.9	B		P
7440-09-7	Potassium	5970			P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	35100			P
7440-28-0	Thallium	13.5			P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	15.9	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:
PGW866 DISSOLVED _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

PGW866

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 27962 SAS No.: SDG No.: ALSY2

Matrix (soil/water): WATER Lab Sample ID: 796201

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

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	53500			P
7440-36-0	Antimony	63.5		*	P
7440-38-2	Arsenic	81.5			P
7440-39-3	Barium	564			P
7440-41-7	Beryllium	3.4	B		P
7440-43-9	Cadmium	4.1	B		P
7440-70-2	Calcium	28400			P
7440-47-3	Chromium	999		E	P
7440-48-4	Cobalt	100			P
7440-50-8	Copper	285			P
7439-89-6	Iron	219000			P
7439-92-1	Lead	60.0			P
7439-95-4	Magnesium	7100			P
7439-96-5	Manganese	6040			P
7439-97-6	Mercury	0.62		*	CV
7440-02-0	Nickel	163			P
7440-09-7	Potassium	5890			P
7782-49-2	Selenium	14.9			P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	29500			P
7440-28-0	Thallium	33.0			P
7440-62-2	Vanadium	169			P
7440-66-6	Zinc	229			P
	Cyanide	10.0	U		AS

Color Before: BROWN Clarity Before: TURBID Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments: PGW866

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY3

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2814301

PGW-10

Water

000001

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
PGW-10	2814301	✓				✓	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

PGW-10

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 28143 SAS No.: SDG No.: ALSY3
 Matrix: (soil/water) WATER Lab Sample ID: 2814301
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M0703.D
 Level: (low/med) LOW Date Received: 06/25/96
 % Moisture: not dec. _____ Date Analyzed: 07/02/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	3	J
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	0.80	J
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	0.70	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

PGW-10

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28143

SAS No.:

SDG No.: ALSY3

Matrix: (soil/water) WATER

Lab Sample ID: 2814301

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0703.D

Level: (low/med) LOW

Date Received: 06/25/96

% Moisture: not dec. _____

Data Analyzed: 07/02/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

PGW-10

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28143_ SAS No.: _____ SDG No.: ALSY3_

Matrix (soil/water): WATER Lab Sample ID: T814301

Level (low/med): LOW_ Date Received: 06/25/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	134000			P
7440-36-0	Antimony	13.3	B		P
7440-38-2	Arsenic	139			P
7440-39-3	Barium	524			P
7440-41-7	Beryllium	5.9			P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	36400			P
7440-47-3	Chromium	576			P
7440-48-4	Cobalt	82.4			P
7440-50-8	Copper	440			P
7439-89-6	Iron	291000			P
7439-92-1	Lead	117			P
7439-95-4	Magnesium	5890			P
7439-96-5	Manganese	2650			P
7439-97-6	Mercury	0.61		N	CV
7440-02-0	Nickel	207			P
7440-09-7	Potassium	9290			P
7782-49-2	Selenium	39.9			P
7440-22-4	Silver	2.2	B		P
7440-23-5	Sodium	16900			P
7440-28-0	Thallium	44.0			P
7440-62-2	Vanadium	305			P
7440-66-6	Zinc	364			P
	Cyanide	10.0	U	N	AS

Color Before: BROWN_ Clarity Before: CLEAR_ Texture: _____

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:

FE_AT_A_2X_DILUTION _____

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

PGW-10

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28143 SAS No.: SDG No.: ALSY3

Matrix (soil/water): WATER Lab Sample ID: D814301

Level (low/med): LOW Date Received: 06/25/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	22.9	U		P
7440-36-0	Antimony	3.9	U		P
7440-38-2	Arsenic	1.6	U		P
7440-39-3	Barium	69.2	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.40	U		P
7440-70-2	Calcium	31800			P
7440-47-3	Chromium	0.60	U		P
7440-48-4	Cobalt	20.7	B		P
7440-50-8	Copper	2.5	B		P
7439-89-6	Iron	26100			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	4480	B		P
7439-96-5	Manganese	2010			P
7439-97-6	Mercury	0.28		N	CV
7440-02-0	Nickel	27.7	B		P
7440-09-7	Potassium	4900	B		P
7782-49-2	Selenium	3.2	U		P
7440-22-4	Silver	0.70	U		P
7440-23-5	Sodium	16300			P
7440-28-0	Thallium	6.6	B		P
7440-62-2	Vanadium	1.0	U		P
7440-66-6	Zinc	31.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

NYTEST ENVIRONMENTAL Inc.

SDG:

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2798601

OCB422

Soil

000001

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB422

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 27986_ SAS No.: _____ SDG No.: 27986_

Matrix (soil/water): WATER Lab Sample ID: 798601

Level (low/med): LOW_ Date Received: 06/07/96

Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.036	U		P
7440-39-3	Barium	0.53		N	P
7440-43-9	Cadmium	0.0024	U		P
7440-47-3	Chromium	0.023			P
7439-92-1	Lead	0.027	U		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.035			P
7440-22-4	Silver	0.0040	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2819901

GP110

Soil

000001

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2822501	OCB148	Soil
2822502	OCB322	Soil

000002

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2822901	GP2-10	Soil
2822902	TB-03	Water

000003

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2823701	GP3-10	Soil
2823702	GP4-4	Soil

000004

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2827201

OCB648

Soil

000005

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2823801	OCB410	Soil
2823802	OCB504	Soil

000006

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2826301

OCB610

Soil

·000007

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY5

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2826401	CB304	Soil
2826402	OCB1-10	Soil
2826403	OCB3-10	Soil
2826404	OCB748	Soil
2826405	GP148	Soil

000008

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHE
GP110	2819901	✓				✓	✓
OCB148	2822501	✓				✓	✓
OCB322	2822502	✓				✓	✓
GP2-10	2822901	✓				✓	✓
TB-03	2822902	✓					
GP3-10	2823701	✓				✓	✓
GP4-4	2823702	✓				✓	✓
OCB648	2827201	✓				✓	✓
OCB410	2823801					✓	
OCB504	2823802					✓	
OCB610	2826301					✓	
CB304	2826401					✓	
OCB1-10	2826402					✓	
OCB3-10	2826403					✓	
OCB748	2826404					✓	
GP148	2826405					✓	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP110

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2819901

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0786.D

Level: (low/med) LOW

Date Received: 06/28/96

% Moisture: not dec. 19

Date Analyzed: 07/04/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3-----	--Chloromethane	12	U
74-83-9-----	Bromomethane	12	U
75-01-4-----	Vinyl Chloride	12	U
75-00-3-----	Chloroethane	12	U
75-09-2-----	Methylene Chloride	8	JB
67-64-1-----	Acetone	12	U
75-15-0-----	Carbon Disulfide	12	U
75-35-4-----	1,1-Dichloroethene	12	U
75-34-3-----	1,1-Dichloroethane	12	U
540-59-0-----	1,2-Dichloroethene (total)	12	U
67-66-3-----	Chloroform	12	U
107-06-2-----	1,2-Dichloroethane	12	U
78-93-3-----	2-Butanone	12	U
71-55-6-----	1,1,1-Trichloroethane	12	U
56-23-5-----	Carbon Tetrachloride	12	U
75-27-4-----	Bromodichloromethane	12	U
78-87-5-----	1,2-Dichloropropane	12	U
10061-01-5-----	cis-1,3-Dichloropropene	12	U
79-01-6-----	Trichloroethene	12	U
124-48-1-----	Dibromochloromethane	12	U
79-00-5-----	1,1,2-Trichloroethane	12	U
71-43-2-----	Benzene	12	U
10061-02-6-----	trans-1,3-Dichloropropene	12	U
75-25-2-----	Bromoform	12	U
108-10-1-----	4-Methyl-2-Pentanone	12	U
591-78-6-----	2-Hexanone	12	U
127-18-4-----	Tetrachloroethene	12	U
79-34-5-----	1,1,2,2-Tetrachloroethane	12	U
108-88-3-----	Toluene	12	U
108-90-7-----	Chlorobenzene	12	U
100-41-4-----	Ethylbenzene	12	U
100-42-5-----	Styrene	12	U
1330-20-7-----	Xylene (total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP110

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2819901

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0786.D

Level: (low/med) LOW

Date Received: 06/28/96

% Moisture: not dec. 19

Data Analyzed: 07/04/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	21.430	36	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP2-10

Lab Name: NYTEST ENV INC Contract: 9622571

Lab Code: NYTEST Case No.: 28229 SAS No.: SDG No.: ALSY5

Matrix: (soil/water) SOIL Lab Sample ID: 2822901

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0828.D

Level: (low/med) LOW Date Received: 07/01/96

% Moisture: not dec. 6 Date Analyzed: 07/06/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	5	J
67-64-1	-----Acetone	4	J
75-15-0	-----Carbon Disulfide	11	U
75-35-4	-----1,1-Dichloroethene	11	U
75-34-3	-----1,1-Dichloroethane	11	U
540-59-0	-----1,2-Dichloroethene (total)	11	U
67-66-3	-----Chloroform	11	U
107-06-2	-----1,2-Dichloroethane	11	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	11	U
56-23-5	-----Carbon Tetrachloride	11	U
75-27-4	-----Bromodichloromethane	11	U
78-87-5	-----1,2-Dichloropropane	11	U
10061-01-5	-----cis-1,3-Dichloropropene	11	U
79-01-6	-----Trichloroethene	11	U
124-48-1	-----Dibromochloromethane	11	U
79-00-5	-----1,1,2-Trichloroethane	11	U
71-43-2	-----Benzene	11	U
10061-02-6	-----trans-1,3-Dichloropropene	11	U
75-25-2	-----Bromoform	11	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	11	U
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U
108-88-3	-----Toluene	11	U
108-90-7	-----Chlorobenzene	11	U
100-41-4	-----Ethylbenzene	11	U
100-42-5	-----Styrene	11	U
1330-20-7	-----Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP2-10

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2822901

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0828.D

Level: (low/med) LOW

Date Received: 07/01/96

% Moisture: not dec. 6

Data Analyzed: 07/06/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP3-10

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 28229 SAS No.: SDG No.: ALSY5
 Matrix: (soil/water) SOIL Lab Sample ID: 2823701
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0877.D
 Level: (low/med) LOW Date Received: 07/02/96
 % Moisture: not dec. 5 Date Analyzed: 07/09/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP3-10

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2823701

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0877.D

Level: (low/med) LOW

Date Received: 07/02/96

% Moisture: not dec. 5

Data Analyzed: 07/09/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 4

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1. 124-18-5	DECANE	18.746	9	NJ
2.	UNKNOWN HYDROCARBON	20.540	7	J
3.	UNKNOWN HYDROCARBON	21.637	31	J
4.	UNKNOWN HYDROCARBON	23.575	9	J
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP4-4

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 28229 SAS No.: SDG No.: ALSY5
 Matrix: (soil/water) SOIL Lab Sample ID: 2823702
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: M0878.D
 Level: (low/med) LOW Date Received: 07/02/96
 % Moisture: not dec. 8 Date Analyzed: 07/09/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	9	JB
67-64-1	Acetone	18	
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP4-4

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2823702

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0878.D

Level: (low/med) LOW

Date Received: 07/02/96

% Moisture: not dec. 8

Data Analyzed: 07/09/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

OCB148

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2822501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0787.D

Level: (low/med) LOW

Date Received: 06/28/96

% Moisture: not dec. 3

Date Analyzed: 07/04/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

OCB148

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2822501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0787.D

Level: (low/med) LOW

Date Received: 06/28/96

% Moisture: not dec. 3

Data Analyzed: 07/04/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

Number TICs found: 1

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	21.464	12	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

OCB322

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2822502

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0788.D

Level: (low/med) LOW

Date Received: 06/28/96

% Moisture: not dec. 6

Date Analyzed: 07/04/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	8	JB
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	11	U
75-35-4	-----1,1-Dichloroethene	11	U
75-34-3	-----1,1-Dichloroethane	11	U
540-59-0	-----1,2-Dichloroethene (total)	11	U
67-66-3	-----Chloroform	11	U
107-06-2	-----1,2-Dichloroethane	11	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	11	U
56-23-5	-----Carbon Tetrachloride	11	U
75-27-4	-----Bromodichloromethane	11	U
78-87-5	-----1,2-Dichloropropane	11	U
10061-01-5	-----cis-1,3-Dichloropropene	11	U
79-01-6	-----Trichloroethene	11	U
124-48-1	-----Dibromochloromethane	11	U
79-00-5	-----1,1,2-Trichloroethane	11	U
71-43-2	-----Benzene	11	U
10061-02-6	-----trans-1,3-Dichloropropene	11	U
75-25-2	-----Bromoform	11	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	11	U
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U
108-88-3	-----Toluene	11	U
108-90-7	-----Chlorobenzene	11	U
100-41-4	-----Ethylbenzene	11	U
100-42-5	-----Styrene	11	U
1330-20-7	-----Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

OCB322

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2822502

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0788.D

Level: (low/med) LOW

Date Received: 06/28/96

% Moisture: not dec. 6

Data Analyzed: 07/04/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	21.444	7	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

OCB648

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2827201

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0907.D

Level: (low/med) LOW

Date Received: 06/27/96

% Moisture: not dec. 4

Date Analyzed: 07/10/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

OCB648

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) SOIL

Lab Sample ID: 2827201

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M0907.D

Level: (low/med) LOW

Date Received: 06/27/96

% Moisture: not dec. 4

Data Analyzed: 07/10/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume. _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB-03

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) WATER

Lab Sample ID: 2822902

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1510.D

Level: (low/med) LOW

Date Received: 07/01/96

% Moisture: not dec. _____

Date Analyzed: 07/06/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB-03

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28229

SAS No.:

SDG No.: ALSY5

Matrix: (soil/water) WATER

Lab Sample ID: 2822902

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1510.D

Level: (low/med) LOW

Date Received: 07/01/96

% Moisture: not dec. _____

Data Analyzed: 07/06/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP110

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28199_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): SOIL_ Lab Sample ID: 819901

Level (low/med): LOW_ Date Received: 06/28/96

% Solids: _81.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7550	—	—	P
7440-36-0	Antimony	2.3	U	N	P
7440-38-2	Arsenic	2.5	—	—	P
7440-39-3	Barium	25.5	—	—	P
7440-41-7	Beryllium	0.42	B	—	P
7440-43-9	Cadmium	0.06	U	*	P
7440-70-2	Calcium	623	—	E*	P
7440-47-3	Chromium	12.5	—	—	P
7440-48-4	Cobalt	6.2	—	—	P
7440-50-8	Copper	11.7	—	—	P
7439-89-6	Iron	13000	—	E*	P
7439-92-1	Lead	5.5	—	—	P
7439-95-4	Magnesium	2080	—	E*	P
7439-96-5	Manganese	229	—	E	P
7439-97-6	Mercury	0.12	U	—	CV
7440-02-0	Nickel	11.9	—	—	P
7440-09-7	Potassium	761	—	—	P
7782-49-2	Selenium	0.49	U	—	P
7440-22-4	Silver	0.51	U	—	P
7440-23-5	Sodium	100	U	—	P
7440-28-0	Thallium	1.0	B	N	P
7440-62-2	Vanadium	18.1	—	E	P
7440-66-6	Zinc	39.0	—	—	P
_____	Cyanide	0.64	U	—	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP2-10

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28199_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): SOIL_ Lab Sample ID: 822901

Level (low/med): LOW_ Date Received: 07/01/06

% Solids: _93.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4360	—	—	P
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	2.2	—	—	P
7440-39-3	Barium	25.5	—	—	P
7440-41-7	Beryllium	0.37	B	—	P
7440-43-9	Cadmium	0.05	U	*	P
7440-70-2	Calcium	399	B	E*	P
7440-47-3	Chromium	8.4	—	—	P
7440-48-4	Cobalt	3.6	B	—	P
7440-50-8	Copper	7.2	—	—	P
7439-89-6	Iron	10000	—	E*	P
7439-92-1	Lead	2.9	—	—	P
7439-95-4	Magnesium	1110	—	E*	P
7439-96-5	Manganese	99.1	—	E	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	7.6	—	—	P
7440-09-7	Potassium	410	B	—	P
7782-49-2	Selenium	0.42	U	—	P
7440-22-4	Silver	0.44	U	—	P
7440-23-5	Sodium	86.3	U	—	P
7440-28-0	Thallium	1.1	—	N	P
7440-62-2	Vanadium	10.9	—	E	P
7440-66-6	Zinc	24.2	—	—	P
	Cyanide	0.52	U	—	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP3-10

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28199_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): SOIL_ Lab Sample ID: 823701

Level (low/med): LOW_ Date Received: 07/02/96

% Solids: 95.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1060	—	—	P
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	0.51	U	—	P
7440-39-3	Barium	7.4	B	—	P
7440-41-7	Beryllium	0.05	B	—	P
7440-43-9	Cadmium	0.05	U	*	P
7440-70-2	Calcium	593	—	E*	P
7440-47-3	Chromium	4.0	—	—	P
7440-48-4	Cobalt	1.2	B	—	P
7440-50-8	Copper	4.5	—	—	P
7439-89-6	Iron	1820	—	E*	P
7439-92-1	Lead	2.0	—	—	P
7439-95-4	Magnesium	451	B	E*	P
7439-96-5	Manganese	71.8	—	E	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	2.6	B	—	P
7440-09-7	Potassium	157	B	—	P
7782-49-2	Selenium	0.42	U	—	P
7440-22-4	Silver	0.47	B	—	P
7440-23-5	Sodium	97.6	B	—	P
7440-28-0	Thallium	1.5	—	N	P
7440-62-2	Vanadium	2.0	B	E	P
7440-66-6	Zinc	8.9	—	—	P
	Cyanide	0.45	U	—	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP4-4

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 28199_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): SOIL_ Lab Sample ID: 823702

Level (low/med): LOW_ Date Received: 07/02/96

Solids: _91.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5040	-		P
7440-36-0	Antimony	3.4	B	N	P
7440-38-2	Arsenic	4.8	-		P
7440-39-3	Barium	16.0	B		P
7440-41-7	Beryllium	0.17	B		P
7440-43-9	Cadmium	0.50	-	*	P
7440-70-2	Calcium	6850	-	E*	P
7440-47-3	Chromium	9.4	-		P
7440-48-4	Cobalt	5.9	-		P
7440-50-8	Copper	277	-		P
7439-89-6	Iron	13000	-	E*	P
7439-92-1	Lead	47.9	-		P
7439-95-4	Magnesium	3320	-	E*	P
7439-96-5	Manganese	152	-	E	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	517	-		P
7440-09-7	Potassium	258	B		P
7782-49-2	Selenium	1.2	-		P
7440-22-4	Silver	0.45	U		P
7440-23-5	Sodium	104	B		P
7440-28-0	Thallium	0.78	U	N	P
7440-62-2	Vanadium	23.2	-	E	P
7440-66-6	Zinc	404	-		P
	Cyanide	6.3	-		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB148

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 28199_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): SOIL_ Lab Sample ID: 822501

Level (low/med): LOW_ Date Received: 06/28/96

% Solids: _97.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2540	-		P
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	0.49	U		P
7440-39-3	Barium	16.9	B		P
7440-41-7	Beryllium	0.14	B		P
7440-43-9	Cadmium	0.05	U	*	P
7440-70-2	Calcium	601	-	E*	P
7440-47-3	Chromium	6.2	-		P
7440-48-4	Cobalt	2.4	B		P
7440-50-8	Copper	3.6	-		P
7439-89-6	Iron	4100	-	E*	P
7439-92-1	Lead	1.5	-		P
7439-95-4	Magnesium	1190	-	E*	P
7439-96-5	Manganese	90.0	-	E	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	8.6	-		P
7440-09-7	Potassium	414	B		P
7782-49-2	Selenium	0.40	U		P
7440-22-4	Silver	0.42	U		P
7440-23-5	Sodium	83.4	U		P
7440-28-0	Thallium	0.73	U	N	P
7440-62-2	Vanadium	7.2	-	E	P
7440-66-6	Zinc	10.1	-		P
	Cyanide	0.41	U		AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB322

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28199_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): SOIL_ Lab Sample ID: 822502

Level (low/med): LOW_ Date Received: 06/28/96

% Solids: 94.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1640	—	—	P
7440-36-0	Antimony	2.1	U	N	P
7440-38-2	Arsenic	0.59	B	—	P
7440-39-3	Barium	7.6	B	—	P
7440-41-7	Beryllium	0.03	B	—	P
7440-43-9	Cadmium	0.05	U	*	P
7440-70-2	Calcium	98.1	B	E*	P
7440-47-3	Chromium	3.4	—	—	P
7440-48-4	Cobalt	1.0	B	—	P
7440-50-8	Copper	3.0	—	—	P
7439-89-6	Iron	2050	—	E*	P
7439-92-1	Lead	1.4	—	—	P
7439-95-4	Magnesium	207	B	E*	P
7439-96-5	Manganese	24.8	—	E	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	28.8	—	—	P
7440-09-7	Potassium	123	B	—	P
7782-49-2	Selenium	0.44	U	—	P
7440-22-4	Silver	0.46	U	—	P
7440-23-5	Sodium	91.4	U	—	P
7440-28-0	Thallium	1.0	—	N	P
7440-62-2	Vanadium	2.5	B	E	P
7440-66-6	Zinc	7.5	—	—	P
—	Cyanide	0.52	U	—	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB648

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28199_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): SOIL_ Lab Sample ID: 827201

Level (low/med): LOW_ Date Received: 06/27/96

% Solids: _95.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	898	—	—	P
7440-36-0	Antimony	2.0	U	N	P
7440-38-2	Arsenic	0.52	U	—	P
7440-39-3	Barium	5.3	B	—	P
7440-41-7	Beryllium	0.05	B	—	P
7440-43-9	Cadmium	0.05	U	*	P
7440-70-2	Calcium	196	B	E*	P
7440-47-3	Chromium	2.0	—	—	P
7440-48-4	Cobalt	0.81	B	—	P
7440-50-8	Copper	3.3	—	—	P
7439-89-6	Iron	1930	—	E*	P
7439-92-1	Lead	1.6	—	—	P
7439-95-4	Magnesium	244	B	E*	P
7439-96-5	Manganese	31.8	—	E	P
7439-97-6	Mercury	0.00	U	—	CV
7440-02-0	Nickel	3.7	B	—	P
7440-09-7	Potassium	98.4	B	—	P
7782-49-2	Selenium	0.43	U	—	P
7440-22-4	Silver	0.45	U	—	P
7440-23-5	Sodium	88.4	U	—	P
7440-28-0	Thallium	1.1	—	N	P
7440-62-2	Vanadium	2.0	B	E	P
7440-66-6	Zinc	6.7	—	—	P
—	Cyanide	0.51	U	—	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB410

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28238_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): WATER Lab Sample ID: T823801

Level (low/med): LOW_ Date Received: 06/26/96

Solids: ____0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.0052	U		P
7440-39-3	Barium	0.70			P
7440-43-9	Cadmium	0.0085			P
7440-47-3	Chromium	0.090			P
7439-92-1	Lead	0.12			P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.016	B		P
7440-22-4	Silver	0.0045	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments: TCLP _____

000047

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB504

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 28238_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): WATER Lab Sample ID: T823802

Level (low/med): LOW_ Date Received: 06/26/96

% Solids: _0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.0052	U		P
7440-39-3	Barium	0.88			P
7440-43-9	Cadmium	0.0068			P
7440-47-3	Chromium	0.0083	U		P
7439-92-1	Lead	0.034	B		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.011	B		P
7440-22-4	Silver	0.0045	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
 Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
 TCLP _____

000048

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

CB304

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571____

Lab Code: NYTEST Case No.: 28264_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): WATER Lab Sample ID: T826401

Level (low/med): LOW_ Date Received: 06/28/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic_	0.064	U		P
7440-39-3	Barium	0.39			P
7440-43-9	Cadmium	0.012			P
7440-47-3	Chromium	0.0090	B		P
7439-92-1	Lead	0.072	U		P
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
TCLP _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP148

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 28264_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): WATER Lab Sample ID: T826405

Level (low/med): LOW_ Date Received: 06/28/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.79			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.0047	U		P
7439-92-1	Lead	0.072	U		P
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
TCLP _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB1-10

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28264 SAS No.: SDG No.: ALSY5

Matrix (soil/water): WATER Lab Sample ID: T826402

Level (low/med): LOW Date Received: 06/28/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.65			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.025			P
7439-92-1	Lead	0.072	U		P
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: Clarity Before: Texture:

Color After: Clarity After: Artifacts:

Comments:
TCLP

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB3-10

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 28264_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): WATER Lab Sample ID: T826403

Level (low/med): LOW___ Date Received: 06/28/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.82			P
7440-43-9	Cadmium	0.0065			P
7440-47-3	Chromium	0.0047	U		P
7439-92-1	Lead	0.072	U		P
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
TCLP _____

000052

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB610

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28264 SAS No.: SDG No.: ALSY5

Matrix (soil/water): WATER Lab Sample ID: T826301

Level (low/med): LOW Date Received: 06/27/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.69			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.0047	U		P
7439-92-1	Lead	0.072	U		P
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: Clarity Before: Texture:
Color After: Clarity After: Artifacts:

Comments:
TCLP

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB748

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28264_ SAS No.: _____ SDG No.: ALSY5_

Matrix (soil/water): WATER Lab Sample ID: T826404

Level (low/med): LOW_ Date Received: 06/28/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.66			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.096			P
7439-92-1	Lead	0.072	U		P
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
 TCLP _____

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY6

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2825901	GP-2GW	Water

000001

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
GP-26W	2825901	✓				✓	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP-2GW

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28259

SAS No.:

SDG No.: ALSY6

Matrix: (soil/water) WATER

Lab Sample ID: 2825901

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1515.D

Level: (low/med) LOW

Date Received: 07/03/96

% Moisture: not dec. _____

Date Analyzed: 07/06/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	2	JB
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

000011

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP-2GW

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28259

SAS No.:

SDG No.: ALSY6

Matrix: (soil/water) WATER

Lab Sample ID: 2825901

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P1515.D

Level: (low/med) LOW

Date Received: 07/03/96

% Moisture: not dec. _____

Data Analyzed: 07/06/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000012

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DGP-2GW

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28259_ SAS No.: _____ SDG No.: ALSY6_

Matrix (soil/water): WATER Lab Sample ID: D825901

Level (low/med): LOW_ Date Received: 07/03/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	536	-		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	129	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	44200	-		P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	6.1	B		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	3760	-		P
7439-92-1	Lead	3.0	-		P
7439-95-4	Magnesium	4380	B		P
7439-96-5	Manganese	2980	-		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	28.2	B		P
7440-09-7	Potassium	5100	-		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U	N	P
7440-23-5	Sodium	11500	-		P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	23.6	-		P
	Cyanide		-		NR

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

DISSOLVED_METALS

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP-2GW

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28259_ SAS No.: _____ SDG No.: ALSY6_

Matrix (soil/water): WATER Lab Sample ID: 825901

Level (low/med): LOW_ Date Received: 07/03/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	41400	—	—	P
7440-36-0	Antimony	20.1	U	—	P
7440-38-2	Arsenic	27.8	—	—	P
7440-39-3	Barium	547	—	—	P
7440-41-7	Beryllium	4.0	B	—	P
7440-43-9	Cadmium	0.94	B	—	P
7440-70-2	Calcium	44200	—	—	P
7440-47-3	Chromium	233	—	—	P
7440-48-4	Cobalt	35.6	B	—	P
7440-50-8	Copper	112	—	—	P
7439-89-6	Iron	94600	—	—	P
7439-92-1	Lead	33.6	—	—	P
7439-95-4	Magnesium	5900	—	—	P
7439-96-5	Manganese	7200	—	—	P
7439-97-6	Mercury	0.20	U	—	CV
7440-02-0	Nickel	93.5	—	—	P
7440-09-7	Potassium	7830	—	—	P
7782-49-2	Selenium	4.3	U	—	P
7440-22-4	Silver	4.5	U	N	P
7440-23-5	Sodium	12700	—	—	P
7440-28-0	Thallium	7.8	U	—	P
7440-62-2	Vanadium	81.3	—	—	P
7440-66-6	Zinc	114	—	—	P
	Cyanide	10.0	U	N	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2829501	GP5-04	Soil
2829502	GP6-04	Soil
2829503	GP7-04	Soil

. 000001

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2829901	GP3-22	Soil
2829902	GP4-10	Soil

000002

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2830001

GP2-48

Soil

000003

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2831201	GP-848	Soil
2831202	GP-904	Soil

· 000004

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2832401	GP10-4	Soil
2832402	GP11-0	Soil

000005

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2833701
2833702

GP1210
GP1348

Soil
Soil

000006

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2834001	GP5-34	Soil
2834002	GP6-10	Soil
2834003	GP7-34	Soil

000007

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY7

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2837101	GP8-10	Soil
2837102	GP9-12	Soil

000008

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHI
GP5-04	2829501	✓				✓	✓
GP6-04	↓ 02	✓				✓	✓
GP7-04	↓ 03	✓				✓	✓
GP3-22	2829901					✓	
GP4-10	↓ 02					✓	
GP2-48	2830001					✓	
GP-848	2831201	✓				✓	✓
GP-904	↓ 02	✓				✓	✓
GP10-4	2832401	✓				✓	✓
GP11-0	↓ 02	✓				✓	✓
GP1210	2833701	✓				✓	✓
GP1348	↓ 02	✓				✓	✓
GP5-34	2834001					✓	
GP6-10	↓ 02					✓	
GP7-34	↓ 03					✓	
GP8-10	2837101					✓	
GP9-12	↓ 02					✓	

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP-848

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2831201

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9086.D

Level: (low/med) LOW

Date Received: 07/10/96

% Moisture: not dec. 3

Date Analyzed: 07/15/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP-848

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2831201

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9086.D

Level: (low/med) LOW

Date Received: 07/10/96

% Moisture: not dec. 3

Data Analyzed: 07/15/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP-904

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2831202

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9087.D

Level: (low/med) LOW

Date Received: 07/10/96

% Moisture: not dec. 4

Date Analyzed: 07/15/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP-904

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2831202

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9087.D

Level: (low/med) LOW

Date Received: 07/10/96

% Moisture: not dec. 4

Data Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.686	30	J
2.	UNKNOWN SILOXANE	21.753	20	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP10-4

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2832401

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9088.D

Level: (low/med) LOW

Date Received: 07/11/96

% Moisture: not dec. 16

Date Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	12	U
74-83-9	Bromomethane	12	U
75-01-4	Vinyl Chloride	12	U
75-00-3	Chloroethane	12	U
75-09-2	Methylene Chloride	10	JB
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	12	U
75-35-4	1,1-Dichloroethene	12	U
75-34-3	1,1-Dichloroethane	12	U
540-59-0	1,2-Dichloroethene (total)	12	U
67-66-3	Chloroform	12	U
107-06-2	1,2-Dichloroethane	12	U
78-93-3	2-Butanone	12	U
71-55-6	1,1,1-Trichloroethane	12	U
56-23-5	Carbon Tetrachloride	12	U
75-27-4	Bromodichloromethane	12	U
78-87-5	1,2-Dichloropropane	12	U
10061-01-5	cis-1,3-Dichloropropene	12	U
79-01-6	Trichloroethene	12	U
124-48-1	Dibromochloromethane	12	U
79-00-5	1,1,2-Trichloroethane	12	U
71-43-2	Benzene	12	U
10061-02-6	trans-1,3-Dichloropropene	12	U
75-25-2	Bromoform	12	U
108-10-1	4-Methyl-2-Pentanone	12	U
591-78-6	2-Hexanone	12	U
127-18-4	Tetrachloroethene	12	U
79-34-5	1,1,2,2-Tetrachloroethane	12	U
108-88-3	Toluene	12	U
108-90-7	Chlorobenzene	12	U
100-41-4	Ethylbenzene	12	U
100-42-5	Styrene	12	U
1330-20-7	Xylene (total)	12	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP10-4

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2832401

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9088.D

Level: (low/med) LOW

Date Received: 07/11/96

% Moisture: not dec. 16

Data Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 3

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.686	36	J
2.	UNKNOWN SILOXANE	21.742	36	J
3.	UNKNOWN SILOXANE	26.030	17	J
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP11-0

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2832402

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9142.D

Level: (low/med) LOW

Date Received: 07/11/96

% Moisture: not dec. 6

Date Analyzed: 07/18/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	13	B
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP11-0

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2832402

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9142.D

Level: (low/med) LOW

Date Received: 07/11/96

% Moisture: not dec. 6

Data Analyzed: 07/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.671	22	J
2.	UNKNOWN SILOXANE	21.747	19	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP1210

Lab Name: NYTEST ENV INC.	Contract: 9622571
Lab Code: NYTEST Case No.: 28295 SAS No.:	SDG No.: ALSY7
Matrix: (soil/water) SOIL	Lab Sample ID: 2933701
Sample wt/vol: 5.0 (g/mL) G	Lab File ID: N9149.D
Level: (low/med) LOW	Date Received: 07/12/96
% Moisture: not dec. 8	Date Analyzed: 07/18/96
GC Column: CAP ID: 0.53 (mm)	Dilution Factor: 1.0
Soil Extract Volume: _____ (uL)	Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl Chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene Chloride	16	B
67-64-1	Acetone	14	
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (total)	11	U
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-Pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-88-3	Toluene	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethylbenzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP1210

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2933701

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9149.D

Level: (low/med) LOW

Date Received: 07/12/96

% Moisture: not dec. 8

Data Analyzed: 07/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.657	20	J
2.	UNKNOWN SILOXANE	21.742	9	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP1348

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2833702

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9150.D

Level: (low/med) LOW

Date Received: 07/12/96

% Moisture: not dec. 3

Date Analyzed: 07/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl Chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene Chloride	20	B
67-64-1	Acetone	13	
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	10	U
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP1348

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2833702

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9150.D

Level: (low/med) LOW

Date Received: 07/12/96

% Moisture: not dec. 3

Data Analyzed: 07/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.679	9	J
2.	UNKNOWN SILOXANE	21.714	12	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP5-04

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2829501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9081.D

Level: (low/med) LOW

Date Received: 07/09/96

% Moisture: not dec. 5

Date Analyzed: 07/15/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane_____	10	U
74-83-9	-----Bromomethane_____	10	U
75-01-4	-----Vinyl Chloride_____	10	U
75-00-3	-----Chloroethane_____	10	U
75-09-2	-----Methylene Chloride_____	5	JB
67-64-1	-----Acetone_____	10	U
75-15-0	-----Carbon Disulfide_____	10	U
75-35-4	-----1,1-Dichloroethene_____	10	U
75-34-3	-----1,1-Dichloroethane_____	10	U
540-59-0	-----1,2-Dichloroethene (total)____	10	U
67-66-3	-----Chloroform_____	10	U
107-06-2	-----1,2-Dichloroethane_____	10	U
78-93-3	-----2-Butanone_____	10	U
71-55-6	-----1,1,1-Trichloroethane_____	10	U
56-23-5	-----Carbon Tetrachloride_____	10	U
75-27-4	-----Bromodichloromethane_____	10	U
78-87-5	-----1,2-Dichloropropane_____	10	U
10061-01-5	-----cis-1,3-Dichloropropene_____	10	U
79-01-6	-----Trichloroethene_____	10	U
124-48-1	-----Dibromochloromethane_____	10	U
79-00-5	-----1,1,2-Trichloroethane_____	10	U
71-43-2	-----Benzene_____	10	U
10061-02-6	-----trans-1,3-Dichloropropene_____	10	U
75-25-2	-----Bromoform_____	10	U
108-10-1	-----4-Methyl-2-Pentanone_____	10	U
591-78-6	-----2-Hexanone_____	10	U
127-18-4	-----Tetrachloroethene_____	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane_____	10	U
108-88-3	-----Toluene_____	10	U
108-90-7	-----Chlorobenzene_____	10	U
100-41-4	-----Ethylbenzene_____	10	U
100-42-5	-----Styrene_____	10	U
1330-20-7	-----Xylene (total)_____	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP5-04

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2829501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9081.D

Level: (low/med) LOW

Date Received: 07/09/96

% Moisture: not dec. 5

Data Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP6-04

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2829502

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9082.D

Level: (low/med) LOW

Date Received: 07/09/96

% Moisture: not dec. 3

Date Analyzed: 07/15/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP6-04

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2829502

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9082.D

Level: (low/med) LOW

Date Received: 07/09/96

% Moisture: not dec. 3

Data Analyzed: 07/15/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP7-04

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water): SOIL

Lab Sample ID: 2829503

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9083.D

Level: (low/med) LOW

Date Received: 07/09/96

% Moisture: not dec. 5

Date Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP7-04

Lab Name: NYTEST ENV INC.

Contract: 9622571

Lab Code: NYTEST

Case No.: 28295

SAS No.:

SDG No.: ALSY7

Matrix: (soil/water) SOIL

Lab Sample ID: 2829503

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9083.D

Level: (low/med) LOW

Date Received: 07/09/96

% Moisture: not dec. 5

Data Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP-848

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 831201

Level (low/med): LOW_ Date Received: 07/10/96

% Solids: _97.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	823	-	*	P
7440-36-0	Antimony	4.0	U	N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	5.1	B		P
7440-41-7	Beryllium	0.08	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	137	B	*	P
7440-47-3	Chromium	1.7	U	*	P
7440-48-4	Cobalt	0.72	B		P
7440-50-8	Copper	1.8	B		P
7439-89-6	Iron	2490	-		P
7439-92-1	Lead	1.7	-		P
7439-95-4	Magnesium	173	B		P
7439-96-5	Manganese	41.0	-	N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.8	B		P
7440-09-7	Potassium	103	B		P
7782-49-2	Selenium	0.86	U		P
7440-22-4	Silver	0.90	U	N	P
7440-23-5	Sodium	212	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	1.5	B		P
7440-66-6	Zinc	3.6	B		P
	Cyanide	0.54	U		AS

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP-904

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 831202

Level (low/med): LOW_ Date Received: 07/10/96

% Solids: _96.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2430	-	*	P
7440-36-0	Antimony	4.1	U	N	P
7440-38-2	Arsenic	2.0	B		P
7440-39-3	Barium	11.3	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	819	B	*	P
7440-47-3	Chromium	3.7		*	P
7440-48-4	Cobalt	1.9	B		P
7440-50-8	Copper	6.6			P
7439-89-6	Iron	4780			P
7439-92-1	Lead	5.6			P
7439-95-4	Magnesium	787	B		P
7439-96-5	Manganese	81.4		N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.5	B		P
7440-09-7	Potassium	223	B		P
7782-49-2	Selenium	0.87	U		P
7440-22-4	Silver	0.91	U	N	P
7440-23-5	Sodium	225	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	5.6	B		P
7440-66-6	Zinc	19.1			P
	Cyanide	0.47	U		AS

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP10-4

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 832401

Level (low/med): LOW_ Date Received: 07/11/96

% Solids: _84.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5430	-	*	P
7440-36-0	Antimony	4.8	U	N	P
7440-38-2	Arsenic	8.8	-		P
7440-39-3	Barium	27.0	B		P
7440-41-7	Beryllium	0.19	B		P
7440-43-9	Cadmium	0.78	B		P
7440-70-2	Calcium	1350	-	*	P
7440-47-3	Chromium	16.3	-	*	P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	1050	-		P
7439-89-6	Iron	9730	-		P
7439-92-1	Lead	82.1	-		P
7439-95-4	Magnesium	1240	-		P
7439-96-5	Manganese	120	-	N	P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	2120	-		P
7440-09-7	Potassium	384	B		P
7782-49-2	Selenium	1.0	U		P
7440-22-4	Silver	1.1	U	N	P
7440-23-5	Sodium	252	B		P
7440-28-0	Thallium	1.9	U		P
7440-62-2	Vanadium	15.2	-		P
7440-66-6	Zinc	476	-		P
	Cyanide	104	-		AS

Color Before: BLACK_ Clarity Before: _____ Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

CYANIDE_AT_A_50X_DILUTION

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP11-0

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 832402

Level (low/med): LOW_ Date Received: 07/11/96

% Solids: _93.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	3480	-	*	P
7440-36-0	Antimony	4.2	U	N	P
7440-38-2	Arsenic	12.0	-	-	P
7440-39-3	Barium	57.9	-	-	P
7440-41-7	Beryllium	0.74	B	-	P
7440-43-9	Cadmium	0.20	B	-	P
7440-70-2	Calcium	1150	-	*	P
7440-47-3	Chromium	13.1	-	*	P
7440-48-4	Cobalt	17.0	-	-	P
7440-50-8	Copper	200	-	-	P
7439-89-6	Iron	17000	-	-	P
7439-92-1	Lead	250	-	-	P
7439-95-4	Magnesium	848	B	-	P
7439-96-5	Manganese	113	-	N	P
7439-97-6	Mercury	0.11	U	-	CV
7440-02-0	Nickel	35.1	-	-	P
7440-09-7	Potassium	314	B	-	P
7782-49-2	Selenium	0.89	U	-	P
7440-22-4	Silver	0.93	U	N	P
7440-23-5	Sodium	513	B	-	P
7440-28-0	Thallium	1.6	U	-	P
7440-62-2	Vanadium	13.1	-	-	P
7440-66-6	Zinc	1890	-	-	P
	Cyanide	0.50	U	-	AS

Color Before: BLACK_ Clarity Before: _____ Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1210

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 833701

Level (low/med): LOW_ Date Received: 07/12/96

% Solids: 91.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2900	—	*	P
7440-36-0	Antimony	4.3	U	N	P
7440-38-2	Arsenic	3.1	—	—	P
7440-39-3	Barium	9.4	B	—	P
7440-41-7	Beryllium	0.15	B	—	P
7440-43-9	Cadmium	0.11	U	—	P
7440-70-2	Calcium	1040	B	*	P
7440-47-3	Chromium	5.1	—	*	P
7440-48-4	Cobalt	2.5	B	—	P
7440-50-8	Copper	7.7	—	—	P
7439-89-6	Iron	10700	—	—	P
7439-92-1	Lead	3.5	—	—	P
7439-95-4	Magnesium	941	B	—	P
7439-96-5	Manganese	53.2	—	N	P
7439-97-6	Mercury	0.54	—	—	CV
7440-02-0	Nickel	57.4	—	—	P
7440-09-7	Potassium	205	B	—	P
7782-49-2	Selenium	0.98	B	—	P
7440-22-4	Silver	0.97	U	N	P
7440-23-5	Sodium	246	B	—	P
7440-28-0	Thallium	1.7	U	—	P
7440-62-2	Vanadium	9.4	B	—	P
7440-66-6	Zinc	9.4	—	—	P
—	Cyanide	0.55	U	—	AS

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1348

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 833702

Level (low/med): LOW_ Date Received: 07/12/96

% Solids: _97.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2220	-	*	P
7440-36-0	Antimony	3.7	U	N	P
7440-38-2	Arsenic	1.6	B		P
7440-39-3	Barium	10.2	B		P
7440-41-7	Beryllium	0.10	B		P
7440-43-9	Cadmium	0.09	U		P
7440-70-2	Calcium	129	B	*	P
7440-47-3	Chromium	2.9		*	P
7440-48-4	Cobalt	2.0	B		P
7440-50-8	Copper	3.1	B		P
7439-89-6	Iron	5430	-		P
7439-92-1	Lead	1.9	-		P
7439-95-4	Magnesium	580	B		P
7439-96-5	Manganese	105	-	N	P
7439-97-6	Mercury	0.12	-		CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	410	B		P
7782-49-2	Selenium	0.80	U		P
7440-22-4	Silver	0.83	U	N	P
7440-23-5	Sodium	165	U		P
7440-28-0	Thallium	1.4	U		P
7440-62-2	Vanadium	4.0	B		P
7440-66-6	Zinc	6.9			P
	Cyanide	0.44	U		AS

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP5-04

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 829501

Level (low/med): LOW_ Date Received: 07/09/96

% Solids: _94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2300	—	*	P
7440-36-0	Antimony	4.2	U	N	P
7440-38-2	Arsenic	1.7	B		P
7440-39-3	Barium	12.7	B		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	413	B	*	P
7440-47-3	Chromium	16.2	—	*	P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	17.3	—		P
7439-89-6	Iron	6840	—		P
7439-92-1	Lead	10.0	—		P
7439-95-4	Magnesium	463	B		P
7439-96-5	Manganese	80.8	—	N	P
7439-97-6	Mercury	0.11	U		CV
7440-02-0	Nickel	7.3	B		P
7440-09-7	Potassium	202	B		P
7782-49-2	Selenium	0.90	U		P
7440-22-4	Silver	0.94	U	N	P
7440-23-5	Sodium	309	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	6.6	B		P
7440-66-6	Zinc	34.6	—		P
	Cyanide	0.55	U		AS

Color Before: BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP6-04

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 829502

Level (low/med): LOW_ Date Received: 07/09/96

% Solids: _96.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2300	-	*	P
7440-36-0	Antimony	3.9	U	N	P
7440-38-2	Arsenic	1.0	U		P
7440-39-3	Barium	7.7	B		P
7440-41-7	Beryllium	0.12	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	1540	-	*	P
7440-47-3	Chromium	3.3	-	*	P
7440-48-4	Cobalt	1.5	B		P
7440-50-8	Copper	4.8	B		P
7439-89-6	Iron	4450	-		P
7439-92-1	Lead	2.8	-		P
7439-95-4	Magnesium	435	B		P
7439-96-5	Manganese	62.8	-	N	P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.1	B		P
7440-09-7	Potassium	206	B		P
7782-49-2	Selenium	0.83	U		P
7440-22-4	Silver	0.87	U	N	P
7440-23-5	Sodium	183	B		P
7440-28-0	Thallium	1.5	U		P
7440-62-2	Vanadium	4.5	B		P
7440-66-6	Zinc	7.3	-		P
	Cyanide	0.55	U		AS

Color Before: BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP7-04

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28295_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): SOIL_ Lab Sample ID: 829503

Level (low/med): LOW_ Date Received: 07/09/96

% Solids: _94.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	4410	—	*	P
7440-36-0	Antimony	4.2	U	N	P
7440-38-2	Arsenic	3.8	—	—	P
7440-39-3	Barium	20.2	B	—	P
7440-41-7	Beryllium	0.19	B	—	P
7440-43-9	Cadmium	0.87	B	—	P
7440-70-2	Calcium	656	B	*	P
7440-47-3	Chromium	6.3	—	*	P
7440-48-4	Cobalt	3.0	B	—	P
7440-50-8	Copper	11.7	—	—	P
7439-89-6	Iron	6780	—	—	P
7439-92-1	Lead	17.8	—	—	P
7439-95-4	Magnesium	827	B	—	P
7439-96-5	Manganese	115	—	N	P
7439-97-6	Mercury	0.11	U	—	CV
7440-02-0	Nickel	5.6	B	—	P
7440-09-7	Potassium	280	B	—	P
7782-49-2	Selenium	0.90	U	—	P
7440-22-4	Silver	0.94	U	N	P
7440-23-5	Sodium	218	B	—	P
7440-28-0	Thallium	1.6	U	—	P
7440-62-2	Vanadium	10.6	—	—	P
7440-66-6	Zinc	42.7	—	—	P
—	Cyanide	0.53	U	—	AS

Color Before: BROWN_ Clarity Before: _____ Texture: MEDIUM

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP2-48

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28340 SAS No.: SDG No.: ALSY7

Matrix (soil/water): WATER Lab Sample ID: T830001

Level (low/med): LOW Date Received: 07/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.77			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.0052	B		P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: Clarity Before: Texture: Color After: Clarity After: Artifacts:

Comments: TCLP

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP3-22

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28340_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): WATER Lab Sample ID: T829901

Level (low/med): LOW_ Date Received: 07/02/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.48			P
7440-43-9	Cadmium	0.0051			P
7440-47-3	Chromium	0.015			P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00032			CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
TCLP _____

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP4-10

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28340_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): WATER Lab Sample ID: T829902

Level (low/med): LOW_ Date Received: 07/02/96

% Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.62			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.10			P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
TCLP _____

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP5-34

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28340_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): WATER Lab Sample ID: T834001

Level (low/med): LOW_ Date Received: 07/09/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.50	U		P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.020	U		P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
 TCLP _____

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP6-10

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28340 SAS No.: SDG No.: ALSY7

Matrix (soil/water): WATER Lab Sample ID: T834002

Level (low/med): LOW Date Received: 07/09/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.72			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.029			P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: Clarity Before: Texture:
Color After: Clarity After: Artifacts:

Comments:
TCLP

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP7-34

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____
 Lab Code: NYTEST Case No.: 28340_ SAS No.: _____ SDG No.: ALSY7_
 Matrix (soil/water): WATER Lab Sample ID: T834003
 Level (low/med): LOW_ Date Received: 07/09/96
 % Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.74			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.051			P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00029			CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
 TCLP _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP8-10

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28340_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): WATER Lab Sample ID: T837101

Level (low/med): LOW_ Date Received: 07/10/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.064	U		P
7440-39-3	Barium	0.66			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.033			P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
 Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
 TCLP _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP9-12

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28340_ SAS No.: _____ SDG No.: ALSY7_

Matrix (soil/water): WATER Lab Sample ID: T837102

Level (low/med): LOW_ Date Received: 07/10/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.077	B		P
7440-39-3	Barium	0.78			P
7440-43-9	Cadmium	0.0044	U		P
7440-47-3	Chromium	0.058			P
7439-92-1	Lead	0.072	U		P
7439-97-6	Mercury	0.00020	U		CV
7782-49-2	Selenium	0.094	U	N	P
7440-22-4	Silver	0.0078	U		P

Color Before: _____ Clarity Before: _____ Texture: _____
Color After: _____ Clarity After: _____ Artifacts: _____

Comments:
TCLP _____

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY8

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2831301

GP-8GW

Water

000001

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY8

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2834301	GP13GW	Water
2834302	GP13GWMS	Water
2834303	GP13GWMSD	Water
2834304	FB01	Water

000002

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY8

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2837601	OCB7GW	Water
2837602	OCB7GWMS	Water
2837603	OCB7GWMSD	Water

000003

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
GP-8GW	2831301	✓				✓	✓
GP136W	2834301	✓				✓	✓
GP136WMS	↓ 02	✓				✓	✓
GP136WMSD	03	✓				✓	✓
FB01	↓ 04	✓				✓	✓
OCB76W	2837601	✓				✓	✓
OCB76WMS	02	✓				✓	✓
OCB76WMSD	03	✓				✓	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB01

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28313

SAS No.:

SDG No.: ALSY8

Matrix: (soil/water) WATER

Lab Sample ID: 2834304

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1009.D

Level: (low/med) LOW

Date Received: 07/12/96

% Moisture: not dec. _____

Date Analyzed: 07/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB01

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28313

SAS No.:

SDG No.: ALSY8

Matrix: (soil/water) WATER

Lab Sample ID: 2834304

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1009.D

Level: (low/med) LOW

Date Received: 07/12/96

% Moisture: not dec. _____

Data Analyzed: 07/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP-8GW

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28313

SAS No.:

SDG No.: ALSY8

Matrix: (soil/water) WATER

Lab Sample ID: 2831301

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0986.D

Level: (low/med) LOW

Date Received: 07/10/96

% Moisture: not dec. _____

Date Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP-8GW

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28313

SAS No.:

SDG No.: ALSY8

Matrix: (soil/water) WATER

Lab Sample ID: 2831301

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M0986.D

Level: (low/med) LOW

Date Received: 07/10/96

% Moisture: not dec. _____

Data Analyzed: 07/15/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP13GW

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 28313 SAS No.: SDG No.: ALSY8
 Matrix: (soil/water) WATER Lab Sample ID: 2834301
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: M1010.D
 Level: (low/med) LOW Date Received: 07/12/96
 % Moisture: not dec. _____ Date Analyzed: 07/16/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

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

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP13GW

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28313

SAS No.:

SDG No.: ALSY8

Matrix: (soil/water) WATER

Lab Sample ID: 2834301

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1010.D

Level: (low/med) LOW

Date Received: 07/12/96

% Moisture: not dec. _____

Data Analyzed: 07/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

OCB7GW

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28313

SAS No.:

SDG No.: ALSY8

Matrix: (soil/water) WATER

Lab Sample ID: 2837601

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1071.D

Level: (low/med) LOW

Date Received: 07/16/96

% Moisture: not dec. _____

Date Analyzed: 07/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	11	B
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

OCB7GW

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28313

SAS No.:

SDG No.: ALSY8

Matrix: (soil/water) WATER

Lab Sample ID: 2837601

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1071.D

Level: (low/med) LOW

Date Received: 07/16/96

% Moisture: not dec. _____

Data Analyzed: 07/18/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DGP-8GW

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28313 SAS No.: SDG No.: ALSY8

Matrix (soil/water): WATER Lab Sample ID: D831301

Level (low/med): LOW Date Received: 07/10/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	103	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	32200			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	5.2	B		P
7440-50-8	Copper	6.1	B		P
7439-89-6	Iron	3250			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	4050	B		P
7439-96-5	Manganese	852			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	33.3	B		P
7440-09-7	Potassium	3170	B		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	32100			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	23.5			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

DGP-8GW DISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP13GW

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28343_ SAS No.: _____ SDG No.: ALSY8_

Matrix (soil/water): WATER Lab Sample ID: 834301

Level (low/med): LOW_ Date Received: 07/12/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	149000	-	*	P
7440-36-0	Antimony	61.2	-	N*	P
7440-38-2	Arsenic	75.5	-	*	P
7440-39-3	Barium	1480	-	N*	P
7440-41-7	Beryllium	6.0	-	-	P
7440-43-9	Cadmium	3.1	B	-	P
7440-70-2	Calcium	32900	-	E	P
7440-47-3	Chromium	288	-	N*	P
7440-48-4	Cobalt	45.4	B	-	P
7440-50-8	Copper	151	-	N*	P
7439-89-6	Iron	156000	-	*	P
7439-92-1	Lead	58.7	-	*	P
7439-95-4	Magnesium	10700	-	-	P
7439-96-5	Manganese	3540	-	E*	P
7439-97-6	Mercury	0.28	-	N	CV
7440-02-0	Nickel	177	-	*	P
7440-09-7	Potassium	12700	-	*	P
7782-49-2	Selenium	4.3	U	-	P
7440-22-4	Silver	4.5	U	N	P
7440-23-5	Sodium	28700	-	-	P
7440-28-0	Thallium	7.8	U	-	P
7440-62-2	Vanadium	169	-	N*	P
7440-66-6	Zinc	183	-	*	P
	Cyanide	10.0	U	-	AS

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DOCB7GW

Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28376 SAS No.: SDG No.: ALSY8

Matrix (soil/water): WATER

Lab Sample ID: D837601

Level (low/med): LOW

Date Received: 07/16/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	11.2			P
7440-39-3	Barium	152	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	80000			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	13.2	B		P
7440-50-8	Copper	6.3	B		P
7439-89-6	Iron	58500			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	12600			P
7439-96-5	Manganese	4830			P
7439-97-6	Mercury	0.20	U	N	CV
7440-02-0	Nickel	10.7	B		P
7440-09-7	Potassium	7440			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	37200			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	20.9			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

(CB7GW) DISSOLVED

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

OCB7GW

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28376_ SAS No.: _____ SDG No.: ALSY8_

Matrix (soil/water): WATER Lab Sample ID: 837601

Level (low/med): LOW_ Date Received: 07/16/96

% Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	62900	-	*	P
7440-36-0	Antimony	20.1	U	N	P
7440-38-2	Arsenic	41.3	-	-	P
7440-39-3	Barium	390	-	-	P
7440-41-7	Beryllium	5.7	-	-	P
7440-43-9	Cadmium	0.76	B	-	P
7440-70-2	Calcium	76500	-	E	P
7440-47-3	Chromium	116	-	*	P
7440-48-4	Cobalt	40.5	B	-	P
7440-50-8	Copper	180	-	*	P
7439-89-6	Iron	166000	-	E	P
7439-92-1	Lead	39.0	-	-	P
7439-95-4	Magnesium	12300	-	-	P
7439-96-5	Manganese	5100	-	E	P
7439-97-6	Mercury	0.39	-	N	CV
7440-02-0	Nickel	43.2	-	-	P
7440-09-7	Potassium	8010	-	-	P
7782-49-2	Selenium	4.3	U	-	P
7440-22-4	Silver	4.5	U	-	P
7440-23-5	Sodium	33700	-	-	P
7440-28-0	Thallium	7.8	U	-	P
7440-62-2	Vanadium	152	-	E	P
7440-66-6	Zinc	59.4	-	-	P
	Cyanide	10.0	U	N	AS

Color Before: BROWN_ Clarity Before: OPAQUE Texture: _____

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:

OCB7GW

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY9

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2837501	GP1448	Soil
2837502	GP1448MS	Soil
2837503	GP1448MSD	Soil

000001

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY9

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2840201	GP1004	Soil
2840202	GP1148	Soil
2840203	GP1204	Soil
2840204	GP1381	Soil

000002

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY9

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2840301

DGP122

Soil

000003

nytest environmental inc

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
GP1448	2837501	✓				✓	✓
GP1448MS	↓ 02	✓				✓	✓
GP1448MSD	↓ 03	✓				✓	✓
GP1004	2840201					✓	
GP1148	↓ 02					✓	
GP1204	↓ 03					✓	
GP1381	↓ 04					✓	
DGP122	2840301	✓				✓	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DGP122

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28375

SAS No.:

SDG No.: ALSY9

Matrix: (soil/water) SOIL

Lab Sample ID: 2840301

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M1195.D

Level: (low/med) LOW

Date Received: 07/18/96

% Moisture: not dec. 3

Date Analyzed: 07/24/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	4	JB
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

DGP122

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28375

SAS No.:

SDG No.: ALSY9

Matrix: (soil/water) SOIL

Lab Sample ID: 2840301

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M1195.D

Level: (low/med) LOW

Date Received: 07/18/96

% Moisture: not dec. 3

Data Analyzed: 07/24/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.296	14	J
2.	UNKNOWN SILOXANE	21.424	53	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

GP1448

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28375

SAS No.:

SDG No.: ALSY9

Matrix: (soil/water) SOIL

Lab Sample ID: 2837501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: M1137.D

Level: (low/med) LOW

Date Received: 07/16/96

% Moisture: not dec. 11

Date Analyzed: 07/23/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	11	U
74-83-9-----	Bromomethane	11	U
75-01-4-----	Vinyl Chloride	11	U
75-00-3-----	Chloroethane	11	U
75-09-2-----	Methylene Chloride	14	B
67-64-1-----	Acetone	9	J
75-15-0-----	Carbon Disulfide	11	U
75-35-4-----	1,1-Dichloroethene	11	U
75-34-3-----	1,1-Dichloroethane	11	U
540-59-0-----	1,2-Dichloroethene (total)	11	U
67-66-3-----	Chloroform	11	U
107-06-2-----	1,2-Dichloroethane	11	U
78-93-3-----	2-Butanone	11	U
71-55-6-----	1,1,1-Trichloroethane	11	U
56-23-5-----	Carbon Tetrachloride	11	U
75-27-4-----	Bromodichloromethane	11	U
78-87-5-----	1,2-Dichloropropane	11	U
10061-01-5-----	cis-1,3-Dichloropropene	11	U
79-01-6-----	Trichloroethene	11	U
124-48-1-----	Dibromochloromethane	11	U
79-00-5-----	1,1,2-Trichloroethane	11	U
71-43-2-----	Benzene	11	U
10061-02-6-----	trans-1,3-Dichloropropene	11	U
75-25-2-----	Bromoform	11	U
108-10-1-----	4-Methyl-2-Pentanone	11	U
591-78-6-----	2-Hexanone	11	U
127-18-4-----	Tetrachloroethene	11	U
79-34-5-----	1,1,2,2-Tetrachloroethane	11	U
108-88-3-----	Toluene	11	U
108-90-7-----	Chlorobenzene	11	U
100-41-4-----	Ethylbenzene	11	U
100-42-5-----	Styrene	11	U
1330-20-7-----	Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

GP1448

Lab Name: NYTEST ENV INC Contract: 9622571

Lab Code: NYTEST Case No.: 28375 SAS No.: SDG No.: ALSY9

Matrix: (soil/water) SOIL Lab Sample ID: 2837501

Sample wt/vol: 5.0 (g/mL) G Lab File ID: M1137.D

Level: (low/med) LOW Date Received: 07/16/96

% Moisture: not dec. 11 Data Analyzed: 07/23/96

GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

Number TICs found: 2 CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	17.307	12	J
2.	UNKNOWN SILOXANE	21.426	52	J
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DGP122

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28375_ SAS No.: _____ SDG No.: ALSY9_

Matrix (soil/water): SOIL_ Lab Sample ID: 840301

Level (low/med): LOW_ Date Received: 07/18/96

% Solids: _97.7

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1760	-	*	P
7440-36-0	Antimony	1.9	U	N	P
7440-38-2	Arsenic	0.54	B	*	P
7440-39-3	Barium	12.5	B		P
7440-41-7	Beryllium	0.05	B		P
7440-43-9	Cadmium	0.05	U		P
7440-70-2	Calcium	42.4	B		P
7440-47-3	Chromium	5.9		*	P
7440-48-4	Cobalt	0.93	B		P
7440-50-8	Copper	2.0	B		P
7439-89-6	Iron	3290		*	P
7439-92-1	Lead	1.1			P
7439-95-4	Magnesium	385	B		P
7439-96-5	Manganese	24.3		N*	P
7439-97-6	Mercury	0.10	U	N	CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	508			P
7782-49-2	Selenium	0.41	U		P
7440-22-4	Silver	0.43	U	N*	P
7440-23-5	Sodium	85.1	U		P
7440-28-0	Thallium	0.75	U		P
7440-62-2	Vanadium	3.3	B		P
7440-66-6	Zinc	6.0		*	P
	Cyanide	0.46	U	N	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1448

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28375_ SAS No.: _____ SDG No.: ALSY9_

Matrix (soil/water): SOIL_ Lab Sample ID: 837501

Level (low/med): LOW_ Date Received: 07/16/96

% Solids: _89.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2430	-	*	P
7440-36-0	Antimony	2.2	U	N	P
7440-38-2	Arsenic	2.5	-	*	P
7440-39-3	Barium	12.1	B	-	P
7440-41-7	Beryllium	0.30	B	-	P
7440-43-9	Cadmium	0.05	U	-	P
7440-70-2	Calcium	201	B	-	P
7440-47-3	Chromium	7.4	-	*	P
7440-48-4	Cobalt	3.2	B	-	P
7440-50-8	Copper	4.7	-	-	P
7439-89-6	Iron	11100	-	*	P
7439-92-1	Lead	2.6	-	-	P
7439-95-4	Magnesium	612	-	-	P
7439-96-5	Manganese	175	-	N*	P
7439-97-6	Mercury	0.24	-	*	CV
7440-02-0	Nickel	4.1	B	-	P
7440-09-7	Potassium	298	B	-	P
7782-49-2	Selenium	0.47	U	-	P
7440-22-4	Silver	0.49	U	N*	P
7440-23-5	Sodium	97.6	U	-	P
7440-28-0	Thallium	0.86	U	-	P
7440-62-2	Vanadium	6.2	-	-	P
7440-66-6	Zinc	15.3	-	*	P
	Cyanide	0.45	U	N	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1004

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28402 SAS No.: SDG No.: ALSY9

Matrix (soil/water): WATER Lab Sample ID: T840201

Level (low/med): LOW Date Received: 07/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.025	-		P
7440-39-3	Barium	0.89	-		P
7440-43-9	Cadmium	0.0062	-		P
7440-47-3	Chromium	0.011	-		P
7439-92-1	Lead	0.13	-		P
7439-97-6	Mercury	0.00038	-		CV
7782-49-2	Selenium	0.0043	U		P
7440-22-4	Silver	0.0045	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture:
 Color After: COLORLESS Clarity After: CLEAR Artifacts:
 Comments:

000022

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1148

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28402_ SAS No.: _____ SDG No.: ALSY9_

Matrix (soil/water): WATER Lab Sample ID: T840202

Level (low/med): LOW_ Date Received: 07/18/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.0052	U		P
7440-39-3	Barium	0.94			P
7440-43-9	Cadmium	0.0014	B		P
7440-47-3	Chromium	0.086			P
7439-92-1	Lead	0.023			P
7439-97-6	Mercury	0.00040			CV
7782-49-2	Selenium	0.0043	U		P
7440-22-4	Silver	0.0045	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

000023

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1204

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28402 SAS No.: SDG No.: ALSY9

Matrix (soil/water): WATER Lab Sample ID: T840203

Level (low/med): LOW Date Received: 07/18/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.0052	U		P
7440-39-3	Barium	0.69			P
7440-43-9	Cadmium	0.0010	B		P
7440-47-3	Chromium	0.0083	U		P
7439-92-1	Lead	0.021			P
7439-97-6	Mercury	0.00034			CV
7782-49-2	Selenium	0.0043	U		P
7440-22-4	Silver	0.0045	U		P

Color Before: COLORLESS Clarity Before: CLEAR Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

GP1381

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28402_ SAS No.: _____ SDG No.: ALSY9_

Matrix (soil/water): WATER Lab Sample ID: T840204

Level (low/med): LOW_ Date Received: 07/18/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): MG/L_

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	0.0052	U		P
7440-39-3	Barium	0.61			P
7440-43-9	Cadmium	0.00050	U		P
7440-47-3	Chromium	0.0083	U		P
7439-92-1	Lead	0.0055			P
7439-97-6	Mercury	0.00021			CV
7782-49-2	Selenium	0.0043	U		P
7440-22-4	Silver	0.0045	U		P

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____
 Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

000025

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY10

LABORATORY
NUMBER

SAMPLE
IDENTIFICATION

TYPE OF
SAMPLE

2842301

DGP66

Water

000001

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY10

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2844901	2GW687	Water
2844902	FB-02	Water
2844903	2GW667	Water

000002

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
DGP66	2842301	✓				✓	✓
2GW687	2844901	✓				✓	✓
FB-02	↓ 02	✓				✓	✓
2GW667	↓ 03	✓				✓	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

2GW667

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2844903

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1304.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. _____

Date Analyzed: 07/30/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

2GW667

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2844903

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1304.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. _____

Data Analyzed: 07/30/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000017

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

2GW687

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2844901

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1302.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. _____

Date Analyzed: 07/30/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000018

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

2GW687

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2844901

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1302.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. _____

Data Analyzed: 07/30/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000019

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DGP66

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2842301

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1190.D

Level: (low/med) LOW

Date Received: 07/19/96

% Moisture: not dec. _____

Date Analyzed: 07/24/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000020

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

DGP66

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2842301

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1190.D

Level: (low/med) LOW

Date Received: 07/19/96

% Moisture: not dec. _____

Data Analyzed: 07/24/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000021

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB-02

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2844902

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1303.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. _____

Date Analyzed: 07/30/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000022

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB-02

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28423

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2844902

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: M1303.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. _____

Data Analyzed: 07/30/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000023

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DDGP66

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571

Lab Code: NYTEST Case No.: 28423_ SAS No.: _____ SDG No.: ALSY10

Matrix (soil/water): WATER Lab Sample ID: D842301

Level (low/med): LOW_ Date Received: 07/19/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	68.9	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	22100			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	3.1	B		P
7440-50-8	Copper	10.2	B		P
7439-89-6	Iron	1150			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3300	B		P
7439-96-5	Manganese	302			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	12.9	B		P
7440-09-7	Potassium	3100	B		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	31700			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	44.5			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
DGP66 _____ DISSOLVED _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DGP66

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28423_ SAS No.: _____ SDG No.: ALSY10

Matrix (soil/water): WATER Lab Sample ID: 842301

Level (low/med): LOW_ Date Received: 07/19/96

% Solids: _____ 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14100	-		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	21.6			P
7440-39-3	Barium	173	B		P
7440-41-7	Beryllium	0.58	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	22800			P
7440-47-3	Chromium	359			P
7440-48-4	Cobalt	14.7	B		P
7440-50-8	Copper	159			P
7439-89-6	Iron	74500			P
7439-92-1	Lead	18.6			P
7439-95-4	Magnesium	4300	B		P
7439-96-5	Manganese	1200			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	150			P
7440-09-7	Potassium	2800	U		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	33900			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	41.7	B		P
7440-66-6	Zinc	237			P
	Cyanide	10.0	U	N	AS

Color Before: BROWN _____ Clarity Before: OPAQUE Texture: _____

Color After: YELLOW _____ Clarity After: CLEAR_ Artifacts: _____

Comments:

DGP66

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB-02

Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Code: NYTEST Case No.: 28449 SAS No.: _____ SDG No.: ALSY10

Matrix (soil/water): WATER

Lab Sample ID: T844902

Level (low/med): LOW _____

Date Received: 07/23/96

Solids: _____0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L _____

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U	N*	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	13.0	U		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	412	B		P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	8.4	B		P
7439-89-6	Iron	429			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	354	U		P
7439-96-5	Manganese	8.9	B		P
7439-97-6	Mercury	0.25			CV
7440-02-0	Nickel	14.0	B		P
7440-09-7	Potassium	426	U		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	1140	B		P
7440-28-0	Thallium	11.6			P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	21.0			P
	Cyanide	10.0	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR _____ Texture: _____

Color After: COLORLESS Clarity After: CLEAR _____ Artifacts: _____

Comments:

TOTAL _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB-02

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28449_ SAS No.: _____ SDG No.: ALSY10

Matrix (soil/water): WATER Lab Sample ID: D844902

Level (low/med): LOW_ Date Received: 07/23/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U	N*	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	13.0	U		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	1020	B		P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	12.8	B		P
7439-89-6	Iron	714			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	354	U		P
7439-96-5	Manganese	21.3			P
7439-97-6	Mercury	0.24			CV
7440-02-0	Nickel	20.3	B		P
7440-09-7	Potassium	1340	B		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	2360	B		P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	49.7			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

DISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

2GW667

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28449_ SAS No.: _____ SDG No.: ALSY10

Matrix (soil/water): WATER Lab Sample ID: T844903

Level (low/med): LOW_ Date Received: 07/23/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	28600	—	N*	P
7440-36-0	Antimony	20.1	U	—	P
7440-38-2	Arsenic	13.0	—	—	P
7440-39-3	Barium	329	—	—	P
7440-41-7	Beryllium	2.0	B	—	P
7440-43-9	Cadmium	0.50	U	—	P
7440-70-2	Calcium	40600	—	—	P
7440-47-3	Chromium	217	—	—	P
7440-48-4	Cobalt	13.4	B	—	P
7440-50-8	Copper	41.2	—	—	P
7439-89-6	Iron	70500	—	—	P
7439-92-1	Lead	17.0	—	—	P
7439-95-4	Magnesium	4590	B	—	P
7439-96-5	Manganese	4080	—	—	P
7439-97-6	Mercury	0.59	—	—	CV
7440-02-0	Nickel	96.4	—	—	P
7440-09-7	Potassium	7970	—	—	P
7782-49-2	Selenium	4.3	U	—	P
7440-22-4	Silver	4.5	U	—	P
7440-23-5	Sodium	12900	—	—	P
7440-28-0	Thallium	7.8	U	—	P
7440-62-2	Vanadium	41.5	B	—	P
7440-66-6	Zinc	43.9	—	—	P
	Cyanide	10.0	U	N	AS

Color Before: YELLOW_ Clarity Before: OPAQUE Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

TOTAL _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

2GW667

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28449 SAS No.: SDG No.: ALSY10

Matrix (soil/water): WATER Lab Sample ID: D844903

Level (low/med): LOW Date Received: 07/23/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U	N*	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	138	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	39300			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	3.4	B		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	745			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	3930	B		P
7439-96-5	Manganese	2510			P
7439-97-6	Mercury	0.36			CV
7440-02-0	Nickel	45.7			P
7440-09-7	Potassium	6690			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	13100			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	16.8	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

ISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

2GW687

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 28449_ SAS No.: _____ SDG No.: ALSY10

Matrix (soil/water): WATER Lab Sample ID: D844901

Level (low/med): LOW_ Date Received: 07/23/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U	N*	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	108	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	36800			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.8	B		P
7440-50-8	Copper	9.1	B		P
7439-89-6	Iron	1750			P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	4480	B		P
7439-96-5	Manganese	375			P
7439-97-6	Mercury	0.22			CV
7440-02-0	Nickel	10.3	B		P
7440-09-7	Potassium	5150			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	36200			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	59.8			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
DISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

2GW687

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 28449 SAS No.: SDG No.: ALSY10

Matrix (soil/water): WATER Lab Sample ID: T844901

Level (low/med): LOW Date Received: 07/23/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	6840	-	N*	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	184	B		P
7440-41-7	Beryllium	0.48	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	38800			P
7440-47-3	Chromium	192			P
7440-48-4	Cobalt	8.0	B		P
7440-50-8	Copper	91.6			P
7439-89-6	Iron	53900			P
7439-92-1	Lead	10.4			P
7439-95-4	Magnesium	5080			P
7439-96-5	Manganese	976			P
7439-97-6	Mercury	0.68			CV
7440-02-0	Nickel	44.3			P
7440-09-7	Potassium	5880			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	36900			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	11.6	B		P
7440-66-6	Zinc	283			P
	Cyanide	10.0	U	N	AS

Color Before: YELLOW Clarity Before: OPAQUE Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

TOTAL

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY11

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2844701	DGP304	Soil
2844702	DGP304MS	Soil
2844703	DGP304MSD	Soil

000001

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
D6P304	2844701	✓				✓	✓
D6P304MS	↓ 02	✓				✓	✓
D6P304MSD	↓ 03	✓				✓	✓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

DGP304

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28447

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2844701

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9337.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. 9

Date Analyzed: 07/29/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CAS NO. COMPCUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	4	J
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	11	U
75-35-4	-----1,1-Dichloroethene	11	U
75-34-3	-----1,1-Dichloroethane	11	U
540-59-0	-----1,2-Dichloroethene (total)	11	U
67-66-3	-----Chloroform	11	U
107-06-2	-----1,2-Dichloroethane	11	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	11	U
56-23-5	-----Carbon Tetrachloride	11	U
75-27-4	-----Bromodichloromethane	11	U
78-87-5	-----1,2-Dichloropropane	11	U
10061-01-5	-----cis-1,3-Dichloropropene	11	U
79-01-6	-----Trichloroethene	11	U
124-48-1	-----Dibromochloromethane	11	U
79-00-5	-----1,1,2-Trichloroethane	11	U
71-43-2	-----Benzene	11	U
10061-02-6	-----trans-1,3-Dichloropropene	11	U
75-25-2	-----Bromoform	11	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	11	U
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U
108-88-3	-----Toluene	11	U
108-90-7	-----Chlorobenzene	11	U
100-41-4	-----Ethylbenzene	11	U
100-42-5	-----Styrene	11	U
1330-20-7	-----Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

DGP304

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 28447

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2844701

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N9337.D

Level: (low/med) LOW

Date Received: 07/23/96

% Moisture: not dec. 9

Data Analyzed: 07/29/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	21.725	9	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DGP304

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 28447_ SAS No.: _____ SDG No.: ALSY11

Matrix (soil/water): SOIL_ Lab Sample ID: 844701

Level (low/med): LOW_ Date Received: 07/23/96

Solids: _91.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	5030	—	—	P
7440-36-0	Antimony	2.0	U	—	P
7440-38-2	Arsenic	5.0	—	—	P
7440-39-3	Barium	21.4	—	—	P
7440-41-7	Beryllium	0.16	B	—	P
7440-43-9	Cadmium	0.43	B	—	P
7440-70-2	Calcium	2110	—	E*	P
7440-47-3	Chromium	13.0	—	—	P
7440-48-4	Cobalt	2.6	B	—	P
7440-50-8	Copper	66.4	—	N	P
7439-89-6	Iron	7460	—	—	P
7439-92-1	Lead	20.1	—	*	P
7439-95-4	Magnesium	975	—	—	P
7439-96-5	Manganese	121	—	EN	P
7439-97-6	Mercury	0.15	—	—	CV
7440-02-0	Nickel	41.9	—	—	P
7440-09-7	Potassium	410	B	—	P
7782-49-2	Selenium	0.43	U	*	P
7440-22-4	Silver	0.45	U	—	P
7440-23-5	Sodium	88.6	U	—	P
7440-28-0	Thallium	0.78	U	—	P
7440-62-2	Vanadium	10.4	—	—	P
7440-66-6	Zinc	51.1	—	—	P
	Cyanide	1.5	—	—	AS

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

DGP304

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY12

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2901001	AMS-1	Water
2901002	AMS-2	Water
2901003	TB-1	Water

000001

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY12

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2902401	MW-3	Water
2902402	LMS-05	Water
2902403	LMS-04	Water
2902404	FB-01	Water
2902405	TB-2	Water

000002

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY12

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2903701	LMS-6	Water
2903702	LMS-2	Water
2903703	LMS-2MS	Water
2903704	LMS-2MSD	Water
2903705	LMS-1	Water
2903706	LMS-3	Water
2903707	TB-3	Water

000003

SAMPLE IDENTIFICATION AND ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS OTHER	
LMS-4	2903701	X				X	X
LMS-2	02						
LMS-2MS	03						
LMS-2MSD	04						
LMS-1	05						
LMS-3	06						
TB-3	07						

nytest environmental_{nc}

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY VOLATILE (VOA) ANALYSES

Laboratory Sample ID	Matrix	Date Collected	Date Rec'd at Lab	Date Extracted	Date Analyzed		
2901001	WATER	09/10/96	09/10/96	NA	09/16/96		
2901002		↓	↓				
2901003		↓	↓				
2902401		09/11/96	09/11/96				
2902402		↓	↓				
2902403		↓	↓				
2902404		↓	↓				
2902405		↓	↓				
2903701		09/12/96	09/12/96				
2903702		↓	↓				
2903703		↓	↓				
2903704		↓	↓				
2903705		↓	↓				
2903706		↓	↓				
2903707		↓	↓			↓	↓

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

AMS-1

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2901001

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2500.D

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: not dec. _____

Date Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

AMS-1

Lab Name: NYTEST ENV INC Contract: 9622571

Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1

Matrix: (soil/water) WATER Lab Sample ID: 2901001

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2500.D

Level: (low/med) LOW Date Received: 09/10/96

% Moisture: not dec. _____ Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000021

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

AMS-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2901002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2501.D

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: not dec. _____

Date Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000022

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

AMS-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2901002

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2501.D

Level: (low/med) LOW

Date Received: 09/10/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000023

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

FB-01

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1
 Matrix: (soil/water) WATER Lab Sample ID: 2902404
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2507.D
 Level: (low/med) LOW Date Received: 09/11/96
 % Moisture: not dec. _____ Date Analyzed: 09/16/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

000024

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

FB-01

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902404

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2507.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	11.652	7	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000025

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

LMS-04

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902403

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2510.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Date Analyzed: 09/16/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000026

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

LMS-04

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902403

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2510.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000027

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

LMS-05

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902402

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2509.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Date Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

74-87-3	-----Chloromethane	10	U
74-83-9	-----Bromomethane	10	U
75-01-4	-----Vinyl Chloride	10	U
75-00-3	-----Chloroethane	10	U
75-09-2	-----Methylene Chloride	2	J
67-64-1	-----Acetone	10	U
75-15-0	-----Carbon Disulfide	10	U
75-35-4	-----1,1-Dichloroethene	10	U
75-34-3	-----1,1-Dichloroethane	10	U
540-59-0	-----1,2-Dichloroethene (total)	10	U
67-66-3	-----Chloroform	10	U
107-06-2	-----1,2-Dichloroethane	10	U
78-93-3	-----2-Butanone	10	U
71-55-6	-----1,1,1-Trichloroethane	10	U
56-23-5	-----Carbon Tetrachloride	10	U
75-27-4	-----Bromodichloromethane	10	U
78-87-5	-----1,2-Dichloropropane	10	U
10061-01-5	-----cis-1,3-Dichloropropene	10	U
79-01-6	-----Trichloroethene	10	U
124-48-1	-----Dibromochloromethane	10	U
79-00-5	-----1,1,2-Trichloroethane	10	U
71-43-2	-----Benzene	10	U
10061-02-6	-----trans-1,3-Dichloropropene	10	U
75-25-2	-----Bromoform	10	U
108-10-1	-----4-Methyl-2-Pentanone	10	U
591-78-6	-----2-Hexanone	10	U
127-18-4	-----Tetrachloroethene	10	U
79-34-5	-----1,1,2,2-Tetrachloroethane	10	U
108-88-3	-----Toluene	10	U
108-90-7	-----Chlorobenzene	10	U
100-41-4	-----Ethylbenzene	10	U
100-42-5	-----Styrene	10	U
1330-20-7	-----Xylene (total)	10	U

000028

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

LMS-05

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902402

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2509.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000029

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

LMS-1

Lab Name: NYTEST ENV INC Contract: 9622571
Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1
Matrix: (soil/water) WATER Lab Sample ID: 2903705
Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2515.D
Level: (low/med) LOW Date Received: 09/12/96
% Moisture: not dec. _____ Date Analyzed: 09/16/96
GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0
Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

000030

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

LMS-1

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2903705

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2515.D

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000031

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

LMS-2

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1
 Matrix: (soil/water) WATER Lab Sample ID: 2903702
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2512.D
 Level: (low/med) LOW Date Received: 09/12/96
 % Moisture: not dec. _____ Date Analyzed: 09/16/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

000032

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

LMS-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2903702

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2512.D

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 1

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.	UNKNOWN SILOXANE	11.661	6	J
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000033

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

LMS-3

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2903706

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2516.D

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: not dec. _____

Date Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000034

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

LMS-3

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2903706

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2516.D

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000035

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

LMS-6

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2903701

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2511.D

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: not dec. _____

Date Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000036

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

LMS-6

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2903701

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2511.D

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000037

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

MW-3

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1
 Matrix: (soil/water) WATER Lab Sample ID: 2902401
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2508.D
 Level: (low/med) LOW Date Received: 09/11/96
 % Moisture: not dec. _____ Date Analyzed: 09/16/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

000038

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

MW-3

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902401

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2508.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
 (ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000039

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB-1

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1
 Matrix: (soil/water) WATER Lab Sample ID: 2901003
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2499.D
 Level: (low/med) LOW Date Received: 09/10/96
 % Moisture: not dec. _____ Date Analyzed: 09/16/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

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

000040

1E
 VOLATILE ORGANICS ANALYSIS DATA SHEET
 TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB-1

Lab Name: NYTEST ENV INC Contract: 9622571

Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1

Matrix: (soil/water) WATER Lab Sample ID: 2901003

Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2499.D

Level: (low/med) LOW Date Received: 09/10/96

% Moisture: not dec. _____ Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0

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

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

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000041

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902405

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2506.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Date Analyzed: 09/16/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

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

000042

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2902405

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2506.D

Level: (low/med) LOW

Date Received: 09/11/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000043

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

TB-3

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY1
 Matrix: (soil/water) WATER Lab Sample ID: 2903707
 Sample wt/vol: 5.0 (g/mL) ML Lab File ID: P2517.D
 Level: (low/med) LOW Date Received: 09/12/96
 % Moisture: not dec. _____ Date Analyzed: 09/16/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

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

000044

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

TB-3

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29010

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) WATER

Lab Sample ID: 2903707

Sample wt/vol: 5.0 (g/mL) ML

Lab File ID: P2517.D

Level: (low/med) LOW

Date Received: 09/12/96

% Moisture: not dec. _____

Data Analyzed: 09/16/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

000045

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AMS-1

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29010_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 901001

Level (low/med): LOW_ Date Received: 09/10/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1340	—	—	P
7440-36-0	Antimony	20.1	U	—	P
7440-38-2	Arsenic	14.0	—	—	P
7440-39-3	Barium	273	—	—	P
7440-41-7	Beryllium	0.20	U	—	P
7440-43-9	Cadmium	0.50	U	—	P
7440-70-2	Calcium	13700	—	*	P
7440-47-3	Chromium	94.2	—	*	P
7440-48-4	Cobalt	41.3	B	—	P
7440-50-8	Copper	14.1	B	—	P
7439-89-6	Iron	46100	—	N*	P
7439-92-1	Lead	11.5	—	N*	P
7439-95-4	Magnesium	1880	B	*	P
7439-96-5	Manganese	4710	—	—	P
7439-97-6	Mercury	1.0	—	—	CV
7440-02-0	Nickel	57.5	—	—	P
7440-09-7	Potassium	3680	B	*	P
7782-49-2	Selenium	4.3	U	*	P
7440-22-4	Silver	4.5	U	—	P
7440-23-5	Sodium	9910	—	*	P
7440-28-0	Thallium	18.1	—	—	P
7440-62-2	Vanadium	6.8	B	—	P
7440-66-6	Zinc	59.1	—	—	P
	Cyanide	10.0	U	N	AS

Color Before: BROWN _____ Clarity Before: CLOUDY Texture: _____

Color After: YELLOW _____ Clarity After: CLEAR_ Artifacts: _____

Comments:
AMS-1 _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

AMS-2

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 901002

Level (low/med): LOW Date Received: 09/10/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	469			P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	15.4			P
7440-39-3	Barium	130	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	40000		*	P
7440-47-3	Chromium	8.3	U	*	P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	21.7	B		P
7439-89-6	Iron	9230		N*	P
7439-92-1	Lead	8.4		N*	P
7439-95-4	Magnesium	6220		*	P
7439-96-5	Manganese	1110			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3280			P
7440-09-7	Potassium	9810		*	P
7782-49-2	Selenium	7.9		*	P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	25000		*	P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	5.6	B		P
7440-66-6	Zinc	28.4			P
	Cyanide	10.0	U	N	AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
AMS-2

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DAMS-1

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 29010_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D901001

Level (low/med): LOW_ Date Received: 09/10/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	127	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	14200		*	P
7440-47-3	Chromium	8.3	U	*	P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	54.5	B	N*	P
7439-92-1	Lead	2.2	U	N*	P
7439-95-4	Magnesium	1890	B	*	P
7439-96-5	Manganese	52.7			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.2	U		P
7440-09-7	Potassium	3640	B	*	P
7782-49-2	Selenium	4.3	U	*	P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	10600		*	P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	110			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
AMS-1 DISSOLVED

000048

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DAMS-2

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29010 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D901002

Level (low/med): LOW Date Received: 09/10/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	97.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	37000		*	P
7440-47-3	Chromium	8.3	U	*	P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	225		N*	P
7439-92-1	Lead	2.2	U	N*	P
7439-95-4	Magnesium	5600		*	P
7439-96-5	Manganese	1030			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	3190			P
7440-09-7	Potassium	9580		*	P
7782-49-2	Selenium	6.9		*	P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	24300		*	P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	119			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments: AMS-2 DISSOLVED

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DLMS-04

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29024_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D902403

Level (low/med): LOW_ Date Received: 09/11/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	264			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	20400			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	7.6	B		P
7440-50-8	Copper	15.7	B		P
7439-89-6	Iron	54.2	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	1990	B		P
7439-96-5	Manganese	461			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	8860			P
7440-09-7	Potassium	3950	B		P
7782-49-2	Selenium	8.0			P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	37700			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	1250			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:
LMS-04 _____ DISSOLVED _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DLMS-05

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29024 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D902402

Level (low/med): LOW Date Received: 09/11/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	373			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	91100			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	3.0	B		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	54.2	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	7590			P
7439-96-5	Manganese	7090			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	6.6	B		P
7440-09-7	Potassium	21000			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	44800			P
7440-28-0	Thallium	20.0			P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	51.9			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

LMS-05 DISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

DMW-3

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29024 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D902401

Level (low/med): LOW Date Received: 09/11/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	98.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	6040			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	54.2	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	1070	B		P
7439-96-5	Manganese	11.0	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.2	U		P
7440-09-7	Potassium	2620	B		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	8810			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	76.3			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

MW-3 DISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB-01

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29024 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 902404

Level (low/med): LOW Date Received: 09/11/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	81.2	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	894	B		P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	7.6	B		P
7439-89-6	Iron	59.3	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	628	B		P
7439-96-5	Manganese	1.3	U		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	16.8	B		P
7440-09-7	Potassium	426	U		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	3410	B		P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	15.1	B		P
	Cyanide	10.0	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

FB-01

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-04

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29024_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 902403

Level (low/med): LOW_ Date Received: 09/11/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	14200	-		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	16.7	-		P
7440-39-3	Barium	369	-		P
7440-41-7	Beryllium	0.90	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	20200	-		P
7440-47-3	Chromium	37.2	-		P
7440-48-4	Cobalt	11.7	B		P
7440-50-8	Copper	105	-		P
7439-89-6	Iron	28400	-		P
7439-92-1	Lead	15.4	-		P
7439-95-4	Magnesium	2380	B		P
7439-96-5	Manganese	518	-		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	8770	-		P
7440-09-7	Potassium	4530	B		P
7782-49-2	Selenium	7.5	-		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	34800	-		P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	37.2	B		P
7440-66-6	Zinc	1380	-		P
	Cyanide	10.0	U	N	AS

Color Before: BROWN_ Clarity Before: TURBID Texture: _____

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-4 _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-05

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

I b Code: NYTEST Case No.: 29024_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER

Lab Sample ID: 902402

I vel (low/med): LOW__

Date Received: 09/11/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L__

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300	—	—	P
7440-36-0	Antimony	20.1	U	—	P
7440-38-2	Arsenic	30.1	—	—	P
7440-39-3	Barium	470	—	—	P
7440-41-7	Beryllium	1.2	B	—	P
7440-43-9	Cadmium	0.50	U	—	P
7440-70-2	Calcium	87800	—	—	P
7440-47-3	Chromium	30.3	—	—	P
7440-48-4	Cobalt	8.2	B	—	P
7440-50-8	Copper	46.3	—	—	P
7439-89-6	Iron	27500	—	—	P
7439-92-1	Lead	23.5	—	—	P
7439-95-4	Magnesium	7340	—	—	P
7439-96-5	Manganese	7640	—	—	P
7439-97-6	Mercury	0.28	—	—	CV
7440-02-0	Nickel	14.2	B	—	P
7440-09-7	Potassium	20100	—	—	P
7782-49-2	Selenium	4.3	U	—	P
7440-22-4	Silver	4.5	U	—	P
7440-23-5	Sodium	39800	—	—	P
7440-28-0	Thallium	20.7	—	—	P
7440-62-2	Vanadium	72.2	—	—	P
7440-66-6	Zinc	70.9	—	—	P
	Cyanide	10.0	U	N	AS

Color Before: BROWN_____ Clarity Before: TURBID Texture: _____

Color After: YELLOW_____ Clarity After: CLEAR_____ Artifacts: _____

Comments:

MW-3 _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW-3

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 29024_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 902401

Level (low/med): LOW_ Date Received: 09/11/96

‰ Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	633	-		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	99.0	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.53	B		P
7440-70-2	Calcium	5890	-		P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	6.1	B		P
7439-89-6	Iron	668	-		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	1080	B		P
7439-96-5	Manganese	33.0	-		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.2	U		P
7440-09-7	Potassium	2390	B		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	9040	-		P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	73.4	-		P
	Cyanide	10.0	U	N	AS

Color Before: COLORLESS Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

MW-3 _____

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-1

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29037_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 903705

Level (low/med): LOW__ Date Received: 09/12/96

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16600	-	EN	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	39.6			P
7440-39-3	Barium	372			P
7440-41-7	Beryllium	1.4	B		P
7440-43-9	Cadmium	1.3	B		P
7440-70-2	Calcium	32900		E	P
7440-47-3	Chromium	52.3			P
7440-48-4	Cobalt	12.6	B		P
7440-50-8	Copper	50.3			P
7439-89-6	Iron	43900		*	P
7439-92-1	Lead	37.3			P
7439-95-4	Magnesium	5630			P
7439-96-5	Manganese	3260		N	P
7439-97-6	Mercury	0.50			CV
7440-02-0	Nickel	21.8	B		P
7440-09-7	Potassium	5880			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U	N	P
7440-23-5	Sodium	31200			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	64.1			P
7440-66-6	Zinc	115			P
	Cyanide	10.0	U	N	AS

Color Before: BROWN__ Clarity Before: OPAQUE Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-1

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29037_ SAS No.: _____ SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D903705

Level (low/med): LOW_ Date Received: 09/12/96

% Solids: ___0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	198	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	1.1	B		P
7440-70-2	Calcium	36400			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	54.2	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	4740	B		P
7439-96-5	Manganese	1560			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	7.2	B		P
7440-09-7	Potassium	4530	B		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	33500			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	23.4			P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

DISSOLVED

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-2

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29037 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 903702

Level (low/med): LOW Date Received: 09/12/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7690	-	EN	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	19.0	-		P
7440-39-3	Barium	280	-		P
7440-41-7	Beryllium	0.67	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	39700	-	E	P
7440-47-3	Chromium	16.0	-		P
7440-48-4	Cobalt	8.3	B		P
7440-50-8	Copper	22.0	B		P
7439-89-6	Iron	19400	-	*	P
7439-92-1	Lead	9.2	-		P
7439-95-4	Magnesium	4940	B		P
7439-96-5	Manganese	704	-	N	P
7439-97-6	Mercury	0.38	-		CV
7440-02-0	Nickel	12.2	B		P
7440-09-7	Potassium	8760	-		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U	N	P
7440-23-5	Sodium	32700	-		P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	23.8	B		P
7440-66-6	Zinc	33.3	-		P
	Cyanide	10.0	U	N	AS

Color Before: BROWN Clarity Before: OPAQUE Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-2

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29037 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D903702

Level (low/med): LOW Date Received: 09/12/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	178	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	37800			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	69.4	B		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	4090	B		P
7439-96-5	Manganese	190			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	7.2	B		P
7440-09-7	Potassium	7440			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	32800			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	15.4	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
DISSOLVED

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-3

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29037 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 903706

Level (low/med): LOW Date Received: 09/12/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	726	-	EN	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	253			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	189000		E	P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	8.5	B		P
7439-89-6	Iron	289		*	P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	1420	B		P
7439-96-5	Manganese	20.2		N	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.2	U		P
7440-09-7	Potassium	31000			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U	N	P
7440-23-5	Sodium	37400			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	3.6	B		P
7440-66-6	Zinc	9.0	U		P
	Cyanide	10.0	U	N	AS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-3

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29037 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D903706

Level (low/med): LOW Date Received: 09/12/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	250	-		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	234			P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	147000			P
7440-47-3	Chromium	13.9			P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	54.2	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	354	U		P
7439-96-5	Manganese	1.8	B		P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	4.9	B		P
7440-09-7	Potassium	34400			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	39500			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	10.2	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

DISSOLVED

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-6

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29037 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: 903701

Level (low/med): LOW Date Received: 09/12/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7290	-	EN	P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	14.7	-		P
7440-39-3	Barium	285	-		P
7440-41-7	Beryllium	0.96	B		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	38800	-	E	P
7440-47-3	Chromium	15.3	-		P
7440-48-4	Cobalt	9.1	B		P
7440-50-8	Copper	26.6	-		P
7439-89-6	Iron	15600	-	*	P
7439-92-1	Lead	11.3	-		P
7439-95-4	Magnesium	4730	B		P
7439-96-5	Manganese	763	-	N	P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	11.2	B		P
7440-09-7	Potassium	8240	-		P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U	N	P
7440-23-5	Sodium	32200	-		P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	19.8	B		P
7440-66-6	Zinc	35.1	-		P
	Cyanide	10.0	U	N	AS

Color Before: BROWN Clarity Before: OPAQUE Texture: _____

Color After: COLORLESS Clarity After: CLEAR Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

LMS-6

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29037 SAS No.: SDG No.: ALSY12

Matrix (soil/water): WATER Lab Sample ID: D903701

Level (low/med): LOW Date Received: 09/12/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	133	U		P
7440-36-0	Antimony	20.1	U		P
7440-38-2	Arsenic	5.2	U		P
7440-39-3	Barium	136	B		P
7440-41-7	Beryllium	0.20	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	38600			P
7440-47-3	Chromium	8.3	U		P
7440-48-4	Cobalt	2.1	U		P
7440-50-8	Copper	5.4	U		P
7439-89-6	Iron	54.2	U		P
7439-92-1	Lead	2.2	U		P
7439-95-4	Magnesium	4150	B		P
7439-96-5	Manganese	191			P
7439-97-6	Mercury	0.20	U		CV
7440-02-0	Nickel	5.5	B		P
7440-09-7	Potassium	460			P
7782-49-2	Selenium	4.3	U		P
7440-22-4	Silver	4.5	U		P
7440-23-5	Sodium	32300			P
7440-28-0	Thallium	7.8	U		P
7440-62-2	Vanadium	2.3	U		P
7440-66-6	Zinc	16.1	B		P
	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:
DISSOLVED

NYTEST ENVIRONMENTAL Inc.

SDG: ALSY13

LABORATORY NUMBER	SAMPLE IDENTIFICATION	TYPE OF SAMPLE
2906501	B-1	Soil
2906502	B-2	Soil
2906503	B-5	Soil
2906504	B-3	Soil
2906505	B-4	Soil

000001

City of New York
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION AND
ANALYTICAL REQUIREMENT SUMMARY

Customer Sample Code	Laboratory Sample Code	Analytical requirements					
		VOA GC/MS Method	BNA GC/MS Method	VOA GC Method	PEST PCB Method	METALS	OTHER
B-1	2906501	✓				✓	
B-2	02	✓				✓	
B-5	03	✓				✓	
B-3	04	✓				✓	
B-4	05	✓				✓	

000003

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B-1

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0258.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 5

Date Analyzed: 09/19/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	4	J
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B-1

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906501

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0258.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 5

Data Analyzed: 09/19/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B-2

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 29065 SAS No.: SDG No.: ALSY1
 Matrix: (soil/water) SOIL Lab Sample ID: 2906502
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0257.D
 Level: (low/med) LOW Date Received: 09/13/96
 % Moisture: not dec. 9 Date Analyzed: 09/19/96
 GC Column:CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	4	J
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	11	U
75-35-4	-----1,1-Dichloroethene	11	U
75-34-3	-----1,1-Dichloroethane	11	U
540-59-0	-----1,2-Dichloroethene (total)	11	U
67-66-3	-----Chloroform	11	U
107-06-2	-----1,2-Dichloroethane	11	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	11	U
56-23-5	-----Carbon Tetrachloride	11	U
75-27-4	-----Bromodichloromethane	11	U
78-87-5	-----1,2-Dichloropropane	11	U
10061-01-5	-----cis-1,3-Dichloropropene	11	U
79-01-6	-----Trichloroethene	11	U
124-48-1	-----Dibromochloromethane	11	U
79-00-5	-----1,1,2-Trichloroethane	11	U
71-43-2	-----Benzene	11	U
10061-02-6	-----trans-1,3-Dichloropropene	11	U
75-25-2	-----Bromoform	11	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	11	U
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U
108-88-3	-----Toluene	11	U
108-90-7	-----Chlorobenzene	11	U
100-41-4	-----Ethylbenzene	11	U
100-42-5	-----Styrene	11	U
1330-20-7	-----Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B-2

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906502

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0257.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 9

Data Analyzed: 09/19/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B-3

Lab Name: NYTEST ENV INC Contract: 9622571
 Lab Code: NYTEST Case No.: 29065 SAS No.: SDG No.: ALSY1
 Matrix: (soil/water) SOIL Lab Sample ID: 2906504
 Sample wt/vol: 5.0 (g/mL) G Lab File ID: N0255.D
 Level: (low/med) LOW Date Received: 09/13/96
 % Moisture: not dec. 7 Date Analyzed: 09/19/96
 GC Column: CAP ID: 0.53 (mm) Dilution Factor: 1.0
 Soil Extract Volume: _____ (uL) Soil Aliquot Volume: _____ (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	11	U
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	11	U
75-35-4	-----1,1-Dichloroethene	11	U
75-34-3	-----1,1-Dichloroethane	11	U
540-59-0	-----1,2-Dichloroethene (total)	11	U
67-66-3	-----Chloroform	11	U
107-06-2	-----1,2-Dichloroethane	11	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	11	U
56-23-5	-----Carbon Tetrachloride	11	U
75-27-4	-----Bromodichloromethane	11	U
78-87-5	-----1,2-Dichloropropane	11	U
10061-01-5	-----cis-1,3-Dichloropropene	11	U
79-01-6	-----Trichloroethene	11	U
124-48-1	-----Dibromochloromethane	11	U
79-00-5	-----1,1,2-Trichloroethane	11	U
71-43-2	-----Benzene	11	U
10061-02-6	-----trans-1,3-Dichloropropene	11	U
75-25-2	-----Bromoform	11	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	11	U
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U
108-88-3	-----Toluene	11	U
108-90-7	-----Chlorobenzene	11	U
100-41-4	-----Ethylbenzene	11	U
100-42-5	-----Styrene	11	U
1330-20-7	-----Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B-3

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906504

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0255.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 7

Data Analyzed: 09/19/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B-4

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906505

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0254.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 7

Date Analyzed: 09/19/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3	-----Chloromethane	11	U
74-83-9	-----Bromomethane	11	U
75-01-4	-----Vinyl Chloride	11	U
75-00-3	-----Chloroethane	11	U
75-09-2	-----Methylene Chloride	4	J
67-64-1	-----Acetone	11	U
75-15-0	-----Carbon Disulfide	11	U
75-35-4	-----1,1-Dichloroethene	11	U
75-34-3	-----1,1-Dichloroethane	11	U
540-59-0	-----1,2-Dichloroethene (total)	11	U
67-66-3	-----Chloroform	11	U
107-06-2	-----1,2-Dichloroethane	11	U
78-93-3	-----2-Butanone	11	U
71-55-6	-----1,1,1-Trichloroethane	11	U
56-23-5	-----Carbon Tetrachloride	11	U
75-27-4	-----Bromodichloromethane	11	U
78-87-5	-----1,2-Dichloropropane	11	U
10061-01-5	-----cis-1,3-Dichloropropene	11	U
79-01-6	-----Trichloroethene	11	U
124-48-1	-----Dibromochloromethane	11	U
79-00-5	-----1,1,2-Trichloroethane	11	U
71-43-2	-----Benzene	11	U
10061-02-6	-----trans-1,3-Dichloropropene	11	U
75-25-2	-----Bromoform	11	U
108-10-1	-----4-Methyl-2-Pentanone	11	U
591-78-6	-----2-Hexanone	11	U
127-18-4	-----Tetrachloroethene	11	U
79-34-5	-----1,1,2,2-Tetrachloroethane	11	U
108-88-3	-----Toluene	11	U
108-90-7	-----Chlorobenzene	11	U
100-41-4	-----Ethylbenzene	11	U
100-42-5	-----Styrene	11	U
1330-20-7	-----Xylene (total)	11	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B-4

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906505

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0254.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 7

Data Analyzed: 09/19/96

GC Column:CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

B-5

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906503

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0256.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 4

Date Analyzed: 09/19/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.

COMPOUND

Q

74-87-3-----	Chloromethane	10	U
74-83-9-----	Bromomethane	10	U
75-01-4-----	Vinyl Chloride	10	U
75-00-3-----	Chloroethane	10	U
75-09-2-----	Methylene Chloride	10	U
67-64-1-----	Acetone	10	U
75-15-0-----	Carbon Disulfide	10	U
75-35-4-----	1,1-Dichloroethene	10	U
75-34-3-----	1,1-Dichloroethane	10	U
540-59-0-----	1,2-Dichloroethene (total)	10	U
67-66-3-----	Chloroform	10	U
107-06-2-----	1,2-Dichloroethane	10	U
78-93-3-----	2-Butanone	10	U
71-55-6-----	1,1,1-Trichloroethane	10	U
56-23-5-----	Carbon Tetrachloride	10	U
75-27-4-----	Bromodichloromethane	10	U
78-87-5-----	1,2-Dichloropropane	10	U
10061-01-5-----	cis-1,3-Dichloropropene	10	U
79-01-6-----	Trichloroethene	10	U
124-48-1-----	Dibromochloromethane	10	U
79-00-5-----	1,1,2-Trichloroethane	10	U
71-43-2-----	Benzene	10	U
10061-02-6-----	trans-1,3-Dichloropropene	10	U
75-25-2-----	Bromoform	10	U
108-10-1-----	4-Methyl-2-Pentanone	10	U
591-78-6-----	2-Hexanone	10	U
127-18-4-----	Tetrachloroethene	10	U
79-34-5-----	1,1,2,2-Tetrachloroethane	10	U
108-88-3-----	Toluene	10	U
108-90-7-----	Chlorobenzene	10	U
100-41-4-----	Ethylbenzene	10	U
100-42-5-----	Styrene	10	U
1330-20-7-----	Xylene (total)	10	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

NYSDEC SAMPLE NO.

B-5

Lab Name: NYTEST ENV INC

Contract: 9622571

Lab Code: NYTEST

Case No.: 29065

SAS No.:

SDG No.: ALSY1

Matrix: (soil/water) SOIL

Lab Sample ID: 2906503

Sample wt/vol: 5.0 (g/mL) G

Lab File ID: N0256.D

Level: (low/med) LOW

Date Received: 09/13/96

% Moisture: not dec. 4

Data Analyzed: 09/19/96

GC Column: CAP ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: _____ (uL)

Soil Aliquot Volume: _____ (uL)

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B-1

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29065 SAS No.: SDG No.: ALSY13

Matrix (soil/water): SOIL Lab Sample ID: 906501

Level (low/med): LOW Date Received: 09/13/96

% Solids: 95.3

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200	-	E	P
7440-36-0	Antimony	4.1	U	N	P
7440-38-2	Arsenic	10.3	-	-	P
7440-39-3	Barium	47.5	-	-	P
7440-41-7	Beryllium	0.35	B	-	P
7440-43-9	Cadmium	0.40	B	-	P
7440-70-2	Calcium	1260	-	E	P
7440-47-3	Chromium	15.2	-	-	P
7440-48-4	Cobalt	4.4	B	-	P
7440-50-8	Copper	25.9	-	-	P
7439-89-6	Iron	12100	-	E	P
7439-92-1	Lead	51.8	-	-	P
7439-95-4	Magnesium	1480	-	E	P
7439-96-5	Manganese	174	-	E	P
7439-97-6	Mercury	0.21	-	-	CV
7440-02-0	Nickel	10.2	-	-	P
7440-09-7	Potassium	565	U	-	P
7782-49-2	Selenium	0.87	U	-	P
7440-22-4	Silver	0.91	U	N	P
7440-23-5	Sodium	218	B	-	P
7440-28-0	Thallium	1.6	U	-	P
7440-62-2	Vanadium	21.5	-	-	P
7440-66-6	Zinc	44.3	-	-	P

Color Before: BROWN Clarity Before: Texture: FINE

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B-2

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29065_ SAS No.: _____ SDG No.: ALSY13

Matrix (soil/water): SOIL_ Lab Sample ID: 906502

Level (low/med): LOW_ Date Received: 09/13/96

% Solids: _90.6

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	13300	-	E	P
7440-36-0	Antimony	4.4	U	N	P
7440-38-2	Arsenic	14.3	-	-	P
7440-39-3	Barium	76.9	-	-	P
7440-41-7	Beryllium	0.42	B	-	P
7440-43-9	Cadmium	0.57	B	-	P
7440-70-2	Calcium	3010	-	E	P
7440-47-3	Chromium	21.4	-	-	P
7440-48-4	Cobalt	5.8	B	-	P
7440-50-8	Copper	53.4	-	-	P
7439-89-6	Iron	16000	-	E	P
7439-92-1	Lead	90.7	-	-	P
7439-95-4	Magnesium	2000	-	E	P
7439-95-5	Manganese	196	-	E	P
7439-97-6	Mercury	0.26	-	-	CV
7440-02-0	Nickel	30.0	-	-	P
7440-09-7	Potassium	631	B	-	P
7782-49-2	Selenium	0.94	U	-	P
7440-22-4	Silver	0.98	U	N	P
7440-23-5	Sodium	261	B	-	P
7440-28-0	Thallium	1.7	U	-	P
7440-62-2	Vanadium	27.9	-	-	P
7440-66-6	Zinc	208	-	-	P

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B-3

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29065_ SAS No.: _____ SDG No.: ALSY13

Matrix (soil/water): SOIL_ Lab Sample ID: 906504

Level (low/med): LOW_ Date Received: 09/13/96

% Solids: _92.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	9540	-	E	P
7440-36-0	Antimony	4.1	U	N	P
7440-38-2	Arsenic	11.7	-	-	P
7440-39-3	Barium	83.7	-	-	P
7440-41-7	Beryllium	0.32	B	-	P
7440-43-9	Cadmium	1.3	-	-	P
7440-70-2	Calcium	3380	-	E	P
7440-47-3	Chromium	52.5	-	-	P
7440-48-4	Cobalt	4.3	B	-	P
7440-50-8	Copper	200	-	-	P
7439-89-6	Iron	13400	-	E	P
7439-92-1	Lead	71.5	-	-	P
7439-95-4	Magnesium	1540	-	E	P
7439-96-5	Manganese	229	-	E	P
7439-97-6	Mercury	0.23	-	-	CV
7440-02-0	Nickel	334	-	-	P
7440-09-7	Potassium	569	U	-	P
7782-49-2	Selenium	0.87	U	-	P
7440-22-4	Silver	0.91	U	N	P
7440-23-5	Sodium	228	B	-	P
7440-28-0	Thallium	1.6	U	-	P
7440-62-2	Vanadium	19.8	-	-	P
7440-66-6	Zinc	158	-	-	P

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B-4

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571_____

Lab Code: NYTEST Case No.: 29065_ SAS No.: _____ SDG No.: ALSY13

Matrix (soil/water): SOIL_ Lab Sample ID: 906505

Level (low/med): LOW_ Date Received: 09/13/96

% Solids: _92.9

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	10200		E	P
7440-36-0	Antimony	4.3	U	N	P
7440-38-2	Arsenic	13.0			P
7440-39-3	Barium	86.7			P
7440-41-7	Beryllium	0.33	B		P
7440-43-9	Cadmium	1.5			P
7440-70-2	Calcium	4790		E	P
7440-47-3	Chromium	37.2			P
7440-48-4	Cobalt	4.7	B		P
7440-50-8	Copper	288			P
7439-89-6	Iron	17100		E	P
7439-92-1	Lead	86.5			P
7439-95-4	Magnesium	1770		E	P
7439-96-5	Manganese	258		E	P
7439-97-6	Mercury	0.27			CV
7440-02-0	Nickel	487			P
7440-09-7	Potassium	634	B		P
7782-49-2	Selenium	0.92	U		P
7440-22-4	Silver	0.96	U	N	P
7440-23-5	Sodium	208	B		P
7440-28-0	Thallium	1.7	U		P
7440-62-2	Vanadium	23.5			P
7440-66-6	Zinc	231			P

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B-5

Lab Name: NYTEST_ENV_INC _____ Contract: 9622571 _____

Lab Code: NYTEST Case No.: 29065_ SAS No.: _____ SDG No.: ALSY13

Matrix (soil/water): SOIL_ Lab Sample ID: 906503

Level (low/med): LOW_ Date Received: 09/13/96

Solids: _95.8

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11100		E	P
7440-36-0	Antimony	4.2	U	N	P
7440-38-2	Arsenic	10.6			P
7440-39-3	Barium	49.8			P
7440-41-7	Beryllium	0.30	B		P
7440-43-9	Cadmium	0.35	B		P
7440-70-2	Calcium	6090		E	P
7440-47-3	Chromium	15.0			P
7440-48-4	Cobalt	7.3	B		P
7440-50-8	Copper	94.0			P
7439-89-6	Iron	17800		E	P
7439-92-1	Lead	61.4			P
7439-95-4	Magnesium	3700		E	P
7439-96-5	Manganese	192		E	P
7439-97-6	Mercury	0.20			CV
7440-02-0	Nickel	19.0			P
7440-09-7	Potassium	624	B		P
7782-49-2	Selenium	0.89	U		P
7440-22-4	Silver	0.93	U	N	P
7440-23-5	Sodium	385	B		P
7440-28-0	Thallium	1.6	U		P
7440-62-2	Vanadium	44.0			P
7440-66-6	Zinc	121			P

Color Before: BROWN_ Clarity Before: _____ Texture: FINE_

Color After: YELLOW_ Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B-3

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29065 SAS No.: SDG No.: ALSY13

Matrix (soil/water): WATER Lab Sample ID: T906504

Level (low/med): LOW Date Received: 09/13/96

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	64.5	U		P
7440-39-3	Barium	754			P
7440-43-9	Cadmium	4.4	U		P
7440-47-3	Chromium	50.5		N*	P
7439-92-1	Lead	72.2	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	94.5	U		P
7440-22-4	Silver	7.8	U		P

Color Before: YELLOW Clarity Before: CLEAR Texture: _____

Color After: YELLOW Clarity After: CLEAR Artifacts: _____

Comments:
TCLP

00129

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

B-4

Lab Name: NYTEST_ENV_INC Contract: 9622571

Lab Code: NYTEST Case No.: 29065 SAS No.: SDG No.: ALSY13

Matrix (soil/water): WATER Lab Sample ID: T906505

Level (low/med): LOW Date Received: 09/13/96

Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-38-2	Arsenic	64.5	U		P
7440-39-3	Barium	621			P
7440-43-9	Cadmium	4.4	U		P
7440-47-3	Chromium	357		N*	P
7439-92-1	Lead	72.2	U		P
7439-97-6	Mercury	0.20	U		CV
7782-49-2	Selenium	94.5	U		P
7440-22-4	Silver	7.8	U		P

Color Before: YELLOW Clarity Before: CLEAR Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

TCLP

00030