ENGINEERING INVESTIGATIONS AT INACTIVE HAZARDOUS WASTE SITES

PRELIMINARY SITE ASSESSMENT

VOLUME II
APPENDICE B-D

Henrietta Town Dump
Henrietta Township

Site No. 828037
Monroe County

Prepared for:

New York State
Department of
Environmental Conservation
50 Wolf Road, Albany, New York 12233
Thomas C. Jorling, Commissioner

Division of Hazardous Waste Remediation
Michael J. O'Toole, Jr., P.E., Director

BY:

ENGINEERING-SCIENCE, INC.
LIVERPOOL, NEW YORK

OCTOBER 1993

VOLUME 2 - APPENDICES B - D

HENRIETTA TOWN DUMP SITE
NYSDEC SITE NO. 828037
HENRIETTA TOWNSHIP
MONORE COUNTY, NEW YORK

PRELIMINARY SITE ASSESSMENTS
WORK ASSIGNMENT NO. D002478-17
NEW YORK STATE SUPERFUND STANDBY CONTRACT

Prepared for

DIVISION OF HAZARDOUS WASTE REMEDIATION
NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
50 WOLF ROAD
ALBANY, NEW YORK

Prepared by

Engineering-Science, Inc.
290 Elwood Davis Road
Liverpool, N.Y. 13088

OCTOBER 1993

SY327.01.05

NOTICE

This Preliminary Site Assessment report about the Henrietta Town Dump Site (NYSDEC Site No. 828037), located in the Town of Henrietta, Monroe County, New York, was prepared for the New York State Department of Environmental Conservation (NYSDEC) under a Superfund Standby Contract (No. D002478, Work Assignment No. 17). The purpose of this report is to provide information necessary for NYSDEC to reclassify the site according to the Classes 2, 3, and D described in Section 2 of this report.

To achieve the study objectives stated in this report, Engineering-Science, Inc. (ES) was required to base conclusions on the best information available during this investigation and within the limits prescribed by NYSDEC in the contract agreement.

No investigative method can completely eliminate the possibility of obtaining partially imprecise or incomplete information. Thus, ES cannot guarantee that the investigation completely defined the degree or extent of any contamination by hazardous or otherwise harmful substances described in the report or, if no such contamination was found, its absolute absence. Professional judgment was exercised in gathering and analyzing the information obtained, and ES is committed to the usual care, thoroughness, and competence of the engineering profession.

Conclusions in this report are based on record reviews, interviews, and limited sampling performed by ES personnel. The health-based regulatory standards discussed in this report may change in the future. Levels of environmental contamination that are "acceptable" by current standards may not be so in the future.

Consistent with the objectives of the PSA investigation, this report includes an assessment of the presence of hazardous waste as defined by Title 6, Part 371 of the New York Codes, Rules, and Regulations (6NYCRR, Part 371) and "significant threat" to public health and environment as defined by 6NYCRR, Part 375. As such, the report does not include an evaluation of the presence of hazardous wastes regulated under federal law, except when federal and New York State regulations are identical. In particular, the presence of hazardous waste having the characteristic of toxicity as determined by the Toxicity Characteristic Leaching Procedure (TCLP) under 40CFR, Part 261.24 is not formally evaluated in this report. The characteristic of toxicity is currently determined by the Extraction Procedure Toxicity (EP Tox) test under 6NYCRR, Part 371.

Information contained in this report may not be suitable for any other use without adaptation for the specific purpose intended. Any such reuse of or reliance on the information, assessments, or conclusions in this report without adaptation will be at the sole risk and liability of the party undertaking the reuse.

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APPENDIX B

GEOLOGIC DATA

ENGINEERING–SCIENCE DRILLING RECORD

BORING MW–1

Contractor: SJB Drilling
Driller: Ken Swanick
Inspector: A. Zielinski
Rig Type: CME 550

PROJECT NAME Henrietta Town Dump
PROJECT NUMBER SY327.01.04

Sheet 1 of 1
Location: east–central area of site

GROUNDWATER OBSERVATIONS

Water Level				
Date				
Time				
Meas. From				

Weather Cold, mid 30's, some snow
Date/Time Start 4/12/93 2:40pm
Date/Time Finish 4/13/93 10:05 am

Plot Plan

Microtip Reading	Sample	Sample Depth	Percent Recovery	Blow Cts	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
		0					1.43' stick up
				3	Brown SAND, some silt, trace clay, trace–gravel, dense, moist,		
0.0	1	1	100	4	peices of wood, grass, roots.		Grout 0 to 2.8'
				5			
		2		3			
				4			2" PVC riser to 5.5'
0.0	2	3	100	4	2.6' Red/Brown SILT, some sand, some clay, to 3.7'		
				4			
		4		3	Brown/Black SAND, wood, trace–gravel, trace silt		Bentonite seal
				5	Black SAND, medium to fine, trace silt, some gravel, dense, moist		2.8' to 5.0'
0.3	3	5	55	6	to 6.8'		
				8			
		6		8			
				12			
0.5	4	7	70	9	Brown SAND fine to coarse, some – silt, trace gravel, wet at 7.0', loose,		2" pvc 10 slot screen
				25	limestone chips in bottom of spoon		5.5' to 15.5'
		8		57			
				6			
0.0	5	9	45	11	8.8 to 9.0' hard red clay		
				10			
		10		7	Quartzite chips, 1" in diameter to 10.5'		Sibley 1240 sand pack
				6	Brown SAND		5.0' to 17.0'
0.0	6	11	NR	8	As above to 14.0'		
				10			
		12		9			
				11			
0.0	7	13	50	14			
				14	Gravel, well rounded		
		14		14			
				9	Gray SAND, medium to coarse, some gravel, angular, trace silt, saturated		
0.0	8	15	50	15	to 17.2'		
				15			
		16		21			
				35			
0.0	9	17		40			
			50	66	Gray SAND and SILT, some gravel, dense, wet		
		18		52			Natural material allowed to collapse into hole from 20.0' to 17.0'
		19					
					Augered to 20.0' after bottom of hole collapsed.		
		20			TD 20.0'		

STANDARD PENETRATION TEST

SS = SPLIT SPOON NR = NO RECOVERY
A = AUGER CUTTINGS
C = CORED

Continuous split spoon sample to 18.0' augered to 20.0'
Volatile grab sample collected from 6–8'; semi–vols, etc, composite sample collected from 0–16'
Matrix spike and matrix splike dup samples collected from same intervals. Grain size analysis 12–14'

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/13/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-1 Page: _____

Depth of Hole: 20.0'
Diameter of Hole: ~ 8"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?
Yes X No _____

SCREEN
Material: 2" PVC, Threaded, Flush joint
Slot Size: 10 slot .010"
Length: 10.0'
Threaded: Yes X No _____

RISER PIPE
Material: 2" PVC
Total Length of Well – Screen Length: 7.5'
Threaded: Yes X No _____

END CAP
Material: PVC
Threaded: Yes _____ No X

ALL JOINTS TEFLON TAPED Yes _____ No X

TOTAL LENGTH OF WELL CASING (includes screen and stick-up) '17.5'

SAND PACK
Type/Size: Sibley 1240
Amount (calculated): _____
Amount (actual): 325 lbs.
Installed with Tremie: Yes _____ No X

BENTONITE SEAL(S)
Type/Size: 3/8" Pellets
Amount (calculated): _____
Amount (actual): 50 lbs.
Installed with Tremie: Yes _____ No X
Secondary Seal(s) Used: Yes _____ No X
Explain: _____

Bentonite allowed to swell at least 30 minutes? Yes X No _____

wicklfm

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/13/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-1 Page: _____

GROUT/CEMENT

Mixture (# cement / # bentonite): 1.5 bags/1/4 bag
Mixture (Gal. water / # dry mix): 7 gals
Amount (calculated): _____
Amount (actual): _____
Installed with Tremie: Yes _____ No X

LOCKING PROTECTIVE CASING INSTALLED Yes X No _____
Locked immediately after installation: Yes X No _____
Grout sloped at surface to allow run-off: Yes X No _____
Drain hole drilled prior to development: Yes _____ No X
Stick-up: 1.5'

ANY FOREIGN OBJECTS LOST IN THE WELL Yes _____ No X
If YES:
(1) What was lost:
(2) Depth:
(3) Stage of well installation:
(4) Was object retrieved: Yes _____ No _____
(All or part/how) _____

WELL CAPPED: Yes X No _____

WELL IDENTIFIED: Yes X No _____

DISPOSAL OF CUTTINGS

Left in pile: X
Spread out: _____ PID reading: _____ ppm
Containerized: _____
Other: _____

DISPOSAL OF FLUIDS

Run off on ground surface: X
Containerized: _____
Other: _____

Anne Zielinski
Engineering-Science Representative

April 13, 1993
Date

wlcklfm

ENGINEERING–SCIENCE
DRILLING RECORD

BORING MW–2

Contractor: SJB Drilling
Driller: Ken Swinnich
Inspector: A. Zielinski
Rig Type: CME 550

PROJECT NAME Henrietta Town Dump
PROJECT NUMBER SY327.01.04

Sheet 1 of 1
Location: south–east area of site

GROUNDWATER OBSERVATIONS

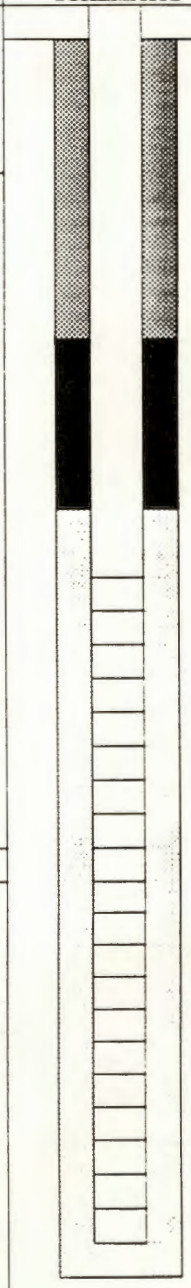
Water Level				
Date				
Time				
Meas. From				

Weather Sunny, high 60's
Date/Time Start 4/14/93 4:30 pm
Date/Time Finish 4/14/93 6:55 pm

Plot Plan

Microtip Reading	Sample	Sample Depth	Percent Recovery	Blow Cts	FIELD IDENTIFICATION OF MATERIAL
		0			
				1	Black Sand and Silt, roots, wood, organic material, to 1.8'
0.0	1	1	65	3	
				11	
		2		8	
				8	Brown SAND, some silt, trace–gravel, damp loose
0.2	2	3	75	9	
				11	
		4		12	
				5	As above, more dense, wet
0.1	3	5	45	6	
				5	
		6		5	
				5	As above, more silt, dense, wet
0.1	4	7	65	5	
				5	
		8		6	
				5	As above, crumbly, hard
0.0	5	9	100	12	
				28	
		10		21	
				28	limestone chips from 10' to 10.4'
0.2	6	11	95	21	
				23	
		12		24	
				40	Brown SAND fine to medium, trace silt, saturated, to 12.5'
0.0	7	13	70	28	Brown SAND, trace silt, some gravel, hard, damp
				31	
		14		50	
				18	
X	8	15	NR	34	
				38	
		16		43	
				43	As Above, hard, dry, crumbly
X	9	17	60	47	
				57	
		18		52	
					TD 18.5'

WELL SCHEMATIC



COMMENTS

1.91' stick up

Grout to 4.5'

2" PVC riser to 8.0'

Bentonite Seal 4.5–7.0'

2" PVC 10 slot screen 8.0 – 18.0'

Sibley 1240 sand 7.0 – 18.5'

STANDARD PENETRATION TEST

SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED
X = NO READING TAKEN
NR = NO RECOVERY

Continuous split spoon sampling to 18.0', auger to 18.5'
Volatile grab sample collected 5–7'; semi–vol, etc, sample collected 0–18'
grain size analysis sample collected 16–18'

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/14/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-2 Page: _____

Depth of Hole: 20.0'
Diameter of Hole: ~8"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?
Yes X No _____

SCREEN
Material: 2" PVC, Threaded, Flush joint
Slot Size: 10 slot .010"
Length: 10.0'
Threaded: Yes X No _____

RISER PIPE
Material: 2" PVC
Total Length of Well – Screen Length: 10.0'
Threaded: Yes X No _____

END CAP
Material: PVC
Threaded: Yes _____ No X

ALL JOINTS TEFLON TAPED Yes _____ No X

TOTAL LENGTH OF WELL CASING (includes screen and stick-up) 20.0'

SAND PACK
Type/Size: Sibley 1240
Amount (calculated): _____
Amount (actual): 300 lbs.
Installed with Tremie: Yes _____ No X

BENTONITE SEAL(S)
Type/Size: 3/8" Pellets
Amount (calculated): _____
Amount (actual): 50 lbs.
Installed with Tremie: Yes _____ No X
Secondary Seal(s) Used: Yes _____ No X
Explain: _____

Bentonite allowed to swell at least 30 minutes? Yes X No _____

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WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/14/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-2 Page: _____

GROUT/CEMENT

Mixture (# cement / # bentonite): 1.5 bags/1/4 bag
Mixture (Gal. water / # dry mix): 7 gals
Amount (calculated): _____
Amount (actual): _____
Installed with Tremie: Yes _____ No X

LOCKING PROTECTIVE CASING INSTALLED Yes X No _____
Locked immediately after installation: Yes X No _____
Grout sloped at surface to allow run-off: Yes X No _____
Drain hole drilled prior to development: Yes _____ No X
Stick-up: 2.0'

ANY FOREIGN OBJECTS LOST IN THE WELL Yes _____ No X
If YES:
(1) What was lost:
(2) Depth:
(3) Stage of well installation:
(4) Was object retrieved: Yes _____ No _____
(All or part/how) _____

WELL CAPPED: Yes X No _____

WELL IDENTIFIED: Yes X No _____

DISPOSAL OF CUTTINGS

Left in pile: X
Spread out: _____ PID reading: _____ ppm
Containerized: _____
Other: _____

DISPOSAL OF FLUIDS

Run off on ground surface: X
Containerized: _____
Other: _____

Anne Zielinski
Engineering-Science Representative

April 14, 1993
Date

wicklfm

ENGINEERING–SCIENCE DRILLING RECORD

BORING MW–3

Contractor: SJB Drilling
Driller: Ken Swinnich
Inspector: A. Zielinski
Rig Type: CME 550

PROJECT NAME Henrietta Town Dump
PROJECT NUMBER SY327.01.04

Sheet 1 of 1
Location: south–west area of site

GROUNDWATER OBSERVATIONS

Water Level				
Date				
Time				
Meas. From				

Weather Sunny, mid–50's
Date/Time Start 4/14/93 9:00 am
Date/Time Finish 4/14/93 2:55 pm

Plot Plan

Microtip Reading	Sample	Sample Depth	Percent Recovery	Blow Cts	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
		0					2.11' stick up
				HM	Black SAND and SILT, bugs, roots, organic material to 2.2'		Grout to 2.0'
0.0	1	1	3	HM			
				HM			2"PVC Riser to 5.1'
		2		HM			
				HM	Brown SAND and SILT, trace–gravel, loose, wet		Bentonite Seal to 4.0'
0.0	2	3	30	HM			
				2			
		4		2			
				3	As above, saturated		
0.0	3	5	20	3			
				3			
		6		2			
				8	Coarse SAND and GRAVEL, angular, saturated		
0.2	4	7	15	7			2" PVC 10 Slot Screen
				7			5.1' to 15.1'
		8		8			
				5	Coarse SAND and SILT, saturated to 8.6'		
0.0	5	9	70	5	Red, Gray and Brown varved CLAYS, 1–2mm laminae, 1mm layers of fine sand		Sibley 1240 Sand
				9	Very Dense, damp to 14'		4.0' to 16'
		10		11			
				4			
0.0	6	11	65	6			
				11			
		12		11			
				5			
0.0	7	13	100	6			
				7			
		14		6			
				6	Gray SAND and SILT, trace gravel, trace–clay, loose, saturated		
0.0	8	15	55	4			
				4			
		16		4	TD 16.0'		
		17					

STANDARD PENETRATION TEST

SS = SPLIT SPOON HM = HAMMER
A = AUGER CUTTINGS
C = CORED

Continuous split spoon sampling to 16.0'
Volatile grab sample and dup collected 2–4'; semi–vols, etc, and dup composite sample collected 0–16'
Grain size analysis samples collected 10–12' and 14–15'

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/14/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-3 Page: _____

Depth of Hole: 16.0'
Diameter of Hole: ~8"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?
Yes X No _____

SCREEN
Material: 2" PVC, Threaded, Flush joint
Slot Size: 10 slot .010"
Length: 10.0'
Threaded: Yes X No _____

RISER PIPE
Material: 2" PVC
Total Length of Well – Screen Length: 7.5'
Threaded: Yes X No _____

END CAP
Material: PVC
Threaded: Yes X No _____

ALL JOINTS TEFLON TAPED Yes _____ No X

TOTAL LENGTH OF WELL CASING (includes screen and stick-up) 17.5'

SAND PACK
Type/Size: Sibley 1240
Amount (calculated): _____
Amount (actual): 250 lbs.
Installed with Tremie: Yes _____ No X

BENTONITE SEAL(S)
Type/Size: 3/8" Pellets
Amount (calculated): _____
Amount (actual): 38 lbs.
Installed with Tremie: Yes _____ No X
Secondary Seal(s) Used: Yes _____ No X
Explain: _____

Bentonite allowed to swell at least 30 minutes? Yes X No _____

wicklfm

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/14/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-3 Page: _____

GROUT/CEMENT

Mixture (# cement / # bentonite): 1 bag/.25 bag
Mixture (Gal. water / # dry mix): 5 gal.
Amount (calculated): _____
Amount (actual): _____
Installed with Tremie: Yes _____ No X

NOTE: grout mixed directly in hole, to help insure proper seal despite artesian conditions

LOCKING PROTECTIVE CASING INSTALLED

Yes X No _____

Locked immediately after installation: Yes X No _____
Grout sloped at surface to allow run-off: Yes X No _____
Drain hole drilled prior to development: Yes _____ No X
Stick-up: 2.4'

ANY FOREIGN OBJECTS LOST IN THE WELL

Yes _____ No X

If YES:
(1) What was lost:
(2) Depth:
(3) Stage of well installation:
(4) Was object retrieved: Yes _____ No _____
(All or part/how) _____

WELL CAPPED:

Yes X No _____

WELL IDENTIFIED:

Yes X No _____

DISPOSAL OF CUTTINGS

Left in pile: X
Spread out: _____ PID reading: _____ ppm
Containerized: _____
Other: _____

DISPOSAL OF FLUIDS

Run off on ground surface: X
Containerized: _____
Other: _____

Anne Zielinski
Engineering-Science Representative

April 14, 1993
Date

wicklfm

ENGINEERING–SCIENCE DRILLING RECORD

BORING MW 4

Contractor: SJB Drilling
Driller: Ken Swinnich
Inspector: A. Zielinski
Rig Type: CME 550

PROJECT NAME Henrietta Town Dump
PROJECT NUMBER SY327.01.04

Sheet 1 of 1
Location: east–central area of site

Weather Sunny mid 50's
Date/Time Start 4/13/93 10:50 am
Date/Time Finish 4/13/93 3:45 pm

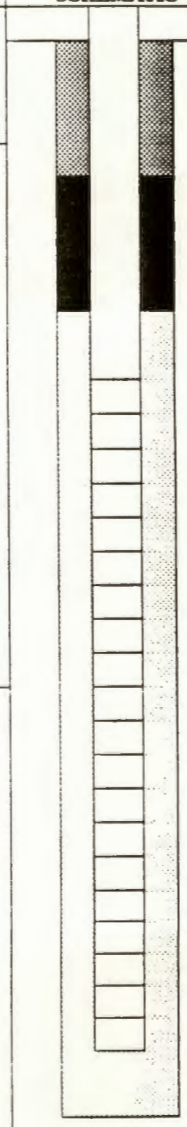
Plot Plan

GROUNDWATER OBSERVATIONS

Water Level				
Date				
Time				
Meas. From				

Microtip Reading	Sample	Sample Depth	Percent Recovery	Blow Cts	FIELD IDENTIFICATION OF MATERIAL
		0			
				HM	Black SAND and SILT, loose, damp, to 1.8'
0.0	1	1	35	HM	
				1	
		2		3	Gray CLAY grading to varved red, gray and brown clay, 1mm laminations,
				3	occasional fine sand layer, 0.5mm to 2mm thick
0.0	2	3	55	3	very hard, damp
				3	
		4		3	
				1	
0.0	3	5	93	3	
				5	
		6		6	
				5	
0.0	4	7	100	7	
				6	
		8		7	
				1	
0.0	5	9	90	3	
				5	
		10		10	Gray SILT, some fine sand, some clay, saturated, dense
				5	Gray SAND and GRAVEL, tace silt, saturated, hard
0.0	6	11	50	7	* artesian conditions: water flowing over top of augers,
				7	1' above grade
		12		8	
				5	SAND and GRAVEL, clean, well rounded, saturated
0.0	7	13	50	6	
				6	
		14		10	
				8	Gray SAND and GRAVEL, some silt, hard, wet, limestone chips
0.0		15	15	16	
				29	
		16		22	TD 16.0'
		17			

WELL SCHEMATIC



COMMENTS

1.96' stick up
grout to 2.0'
Bentonite seal 2.0 – 4.1
2" PVC Riser to 5.0'
2" PVC 10 slot screen
5.0' – 15.0'
Sibley 1240 sand
4.1' – 16.0'
TD 16.0'

STANDARD PENETRATION TEST

SS = SPLIT SPOON HM = HAMMER
A = AUGER CUTTINGS
C = CORED

Continuous split spoon sampling to 16.0', artesian condiitons.
Volatile grab sample collected 6–7'; semi–vol, etc, composite collected 0 – 16'
Grain size analysis samples collected 8–10' and 12–14'

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/13/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-4 Page: _____

Depth of Hole: 16.0'
Diameter of Hole: ~8"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?
Yes X No _____

SCREEN
Material: 2" PVC, Threaded, Flush joint
Slot Size: 10 slot .010"
Length: 10.0'
Threaded: Yes X No _____

RISER PIPE
Material: 2" PVC
Total Length of Well – Screen Length: 7.5'
Threaded: Yes X No _____

END CAP
Material: PVC
Threaded: Yes X No _____

ALL JOINTS TEFLON TAPED Yes _____ No X

TOTAL LENGTH OF WELL CASING (includes screen and stick-up) 17.5'

SAND PACK
Type/Size: Sibley 1240
Amount (calculated): _____
Amount (actual): 300 lbs.
Installed with Tremie: Yes _____ No X

BENTONITE SEAL(S)
Type/Size: 3/8" Pellets
Amount (calculated): _____
Amount (actual): 38 lbs.
Installed with Tremie: Yes _____ No X
Secondary Seal(s) Used: Yes _____ No X
Explain: _____

Bentonite allowed to swell at least 30 minutes? Yes X No _____

wicklfm

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/13/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-4 Page: _____

GROUT/CEMENT

Mixture (# cement / # bentonite): 1 bag/.25 bag
Mixture (Gal. water / # dry mix): _____
Amount (calculated): _____
Amount (actual): _____
Installed with Tremie: Yes _____ No X

NOTE: grout mixed directly in hole, to help insure proper seal despite artesian conditions

LOCKING PROTECTIVE CASING INSTALLED Yes X No _____
Locked immediately after installation: Yes X No _____
Grout sloped at surface to allow run-off: Yes X No _____
Drain hole drilled prior to development: Yes _____ No X
Stick-up: 2.5'

ANY FOREIGN OBJECTS LOST IN THE WELL Yes _____ No X
If YES:
(1) What was lost:
(2) Depth:
(3) Stage of well installation:
(4) Was object retrieved: Yes _____ No _____
(All or part/how) _____

WELL CAPPED: Yes X No _____

WELL IDENTIFIED: Yes X No _____

DISPOSAL OF CUTTINGS

Left in pile: X
Spread out: _____ PID reading: _____ ppm
Containerized: _____
Other: _____

DISPOSAL OF FLUIDS

Run off on ground surface: X
Containerized: _____
Other: _____

Anne Zielinski
Engineering-Science Representative

April 13, 1993
Date

wicklfm

ENGINEERING – SCIENCE DRILLING RECORD

BORING MW-5

Contractor: SJB Drilling
Driller: Jim Lamm
Inspector: A. Zielinski
Rig Type: SoilMax

PROJECT NAME Henrietta Town Dump
PROJECT NUMBER SY327.01.04

Sheet 1 of 1
Location: North – central area of site

GROUNDWATER OBSERVATIONS

Water Level			
Date			
Time			
Meas. From			

Weather Sunny mid – 60's
Date/Time Start 4/7/93 1:55 pm
Date/Time Finish 4/7/93 3:00 pm

Plot Plan

Microtip Reading	Sample	Sample Depth	Percent Recovery	Blow Cts	FIELD IDENTIFICATION OF MATERIAL	WELL SCHEMATIC	COMMENTS
		0					2' stick up
				1	Brown SAND and SILT, trace – gravel, dense, moist, grass, roots, worms, wet at 1.8'		Grout to 2.0'
0.0	1	1	55	1			
				2			2" pvc riser
		2		5			threaded, flush joint
				10	Brown SAND fine to coarse, trace gravel, trace silt, wet, loose to 7.4'		
0.0	2	3	40	15			Bentonite seal
				7			2.0' to 4.0'
		4		5			
				3			
0.0	3	5	75	5			
				6			
		6		8			
				4			Sibley 1240 sand pack
0.0	4	7	80	7			4.0' to 16.0'
				11			
		8		13	Brown SAND, fine to medium, some silt, dilatant, saturated		
				14	Brown SAND and SILT, trace clay, trace gravel, dense, breaks into pieces, moist		
0.0	5	9	75	17	to 13.1'		
				27			2" pvc 10 slot screen
		10		45			threaded, flush joint
				12	10.0 to 10.8' as above, with rounded gravel		5.5' to 15.5'
0.0	6	11	75	31			
				25			
		12		16			
				31			
0.0	7	13	90	42			
				70	Brown coarse SAND, saturated, clean		
		14		42			
				19	Grey SILT, some fine sand, some clay, trace – gravel, dense, wet.		
0.0	8	15	70	24			
				36			
		16		40	TD 16.0'		TD 16.0'
		17					

STANDARD PENETRATION TEST
SS = SPLIT SPOON
A = AUGER CUTTINGS
C = CORED

Continuous split spoon sampling, total depth 16.0'
Volatile grab sample 5.7'; semi – volatile, etc, composite sample collected 0 – 14'
grain size analysis samples colleted from 4 – 8' and 12 – 14'

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/7/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-5 Page: _____

Depth of Hole: 16.0'
Diameter of Hole: ~8"

ALL MATERIALS INSPECTED PRIOR TO INSTALLATION?
Yes X No _____

SCREEN
Material: 2" PVC, Threaded, Flush joint
Slot Size: 10 slot .010"
Length: 10.0'
Threaded: Yes X No _____

RISER PIPE
Material: 2" PVC
Total Length of Well - Screen Length: 7.5'
Threaded: Yes X No _____

END CAP
Material: PVC
Threaded: Yes X No _____

ALL JOINTS TEFLON TAPED Yes _____ No X

TOTAL LENGTH OF WELL CASING (includes screen and stick-up) '17.5'

SAND PACK
Type/Size: Sibley 1240
Amount (calculated): _____
Amount (actual): 250 lbs.
Installed with Tremie: Yes _____ No X

BENTONITE SEAL(S)
Type/Size: 3/8" Pellets
Amount (calculated): _____
Amount (actual): 38 lbs.
Installed with Tremie: Yes _____ No X
Secondary Seal(s) Used: Yes _____ No X
Explain: _____

Bentonite allowed to swell at least 30 minutes? Yes X No _____

wicklfm

WELL INSTALLATION CHECKLIST

Site Name: Henrietta Town Dump Date: 4/7/93
Job Number: SY327.01.04 By: A. Zielinski
Boring Number: MW-5 Page: _____

GROUT/CEMENT

Mixture (# cement / # bentonite): 60 lbs/ 10 lbs
Mixture (Gal. water / # dry mix): 5 gals.
Amount (calculated): _____
Amount (actual): _____
Installed with Tremie: Yes _____ No X

LOCKING PROTECTIVE CASING INSTALLED Yes X No _____
Locked immediately after installation: Yes X No _____
Grout sloped at surface to allow run-off: Yes X No _____
Drain hole drilled prior to development: Yes _____ No X
Stick-up: 2.0'

ANY FOREIGN OBJECTS LOST IN THE WELL Yes _____ No X
If YES:
(1) What was lost:
(2) Depth:
(3) Stage of well installation:
(4) Was object retrieved: Yes _____ No _____
(All or part/how) _____

WELL CAPPED: Yes X No _____

WELL IDENTIFIED: Yes X No _____

DISPOSAL OF CUTTINGS

Left in pile: X
Spread out: _____ PID reading: _____ ppm
Containerized: _____
Other: _____

DISPOSAL OF FLUIDS

Run off on ground surface: X
Containerized: _____
Other: _____

Anne Zielinski
Engineering-Science Representative

April 7, 1993
Date

wicklfm

Huntingdon

Empire Soils Investigations, Inc., Division
105 Corona Avenue
Groton New York 13073
(315)475-0717
(607)898-5381
Fax (607)898-4760

June 2, 1993

Thomas Abrams
Engineering-Science, Inc.
290 Elwood Davis Road, Suite 312
Liverpool, New York 13088

Reference: Geotechnical Analysis for PSA
Work Assignment No. D002478-17

Dear Mr. Abrams,

Enclosed please find the results of soil samples grain size analysis in accordance with our subcontract dated March 19, 1993 and your letter of transmittal dated May 10, 1993. In all cases we utilized the entire sample provided. Some of the samples containing gravel do not meet the "Approximate Minimum Mass of Portion, g" stated in ASTM D 422 Section 5.1.1 (see copy below). The actual weight retained of samples listed on our "GRAIN SIZE DISTRIBUTION TEST DATA" reports. This information is provided for your use in evaluating the test data.

> 5.1.1 The size of the portion retained on the No. 10 sieve shall depend on the maximum size of particle, according to the following schedule:
>
> | Nominal Diameter of Largest Particles, in. (mm) | Approximate Minimum Mass of Portion, g |
> |---|---|
> | ⅜ (9.5) | 500 |
> | ¾ (19.0) | 1000 |
> | 1 (25.4) | 2000 |
> | 1½ (38.1) | 3000 |
> | 2 (50.8) | 4000 |
> | 3 (76.2) | 5000 |
>
> 5.1.2 The size of the portion passing the No. 10 sieve shall be approximately 115 g for sandy soils and approximately 65 g for silt and clay soils.

If you have any questions or require additional data please contact the undersigned. Samples and containers will be returned via UPS.

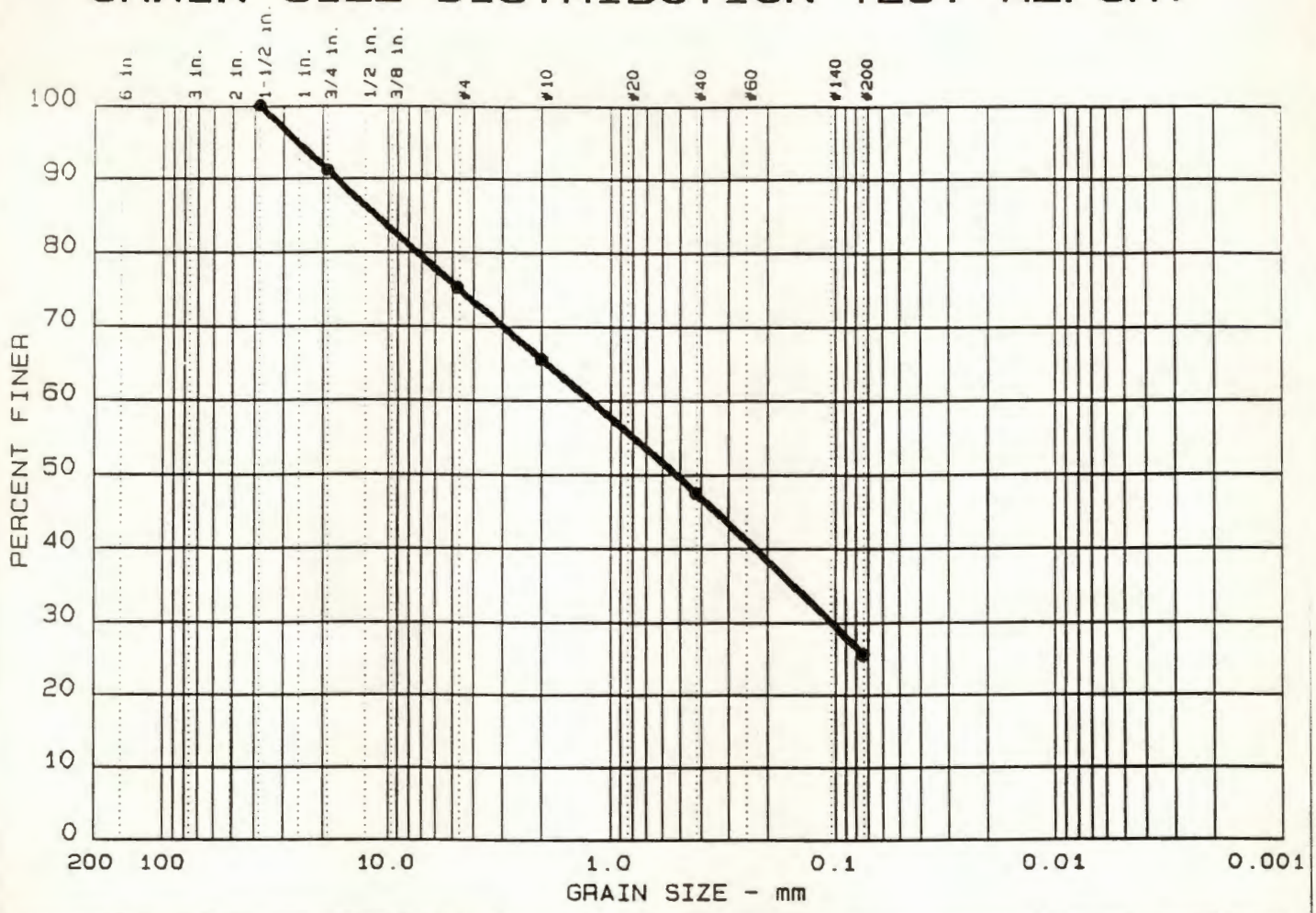
Respectfully submitted,

EMPIRE SOILS INVESTIGATIONS, INC.

Thomas Hamilton

Thomas A. Hamilton
Construction Services Manager

GRAIN SIZE DISTRIBUTION TEST REPORT



	%+75mm	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	24.8	49.6	25.6	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			11.22	1.22	0.52	0.104				

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand with gravel	SM	

Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04
● Location: HENR MW 1, 14'-16'; 12'-14'

Date: May 27, 1993

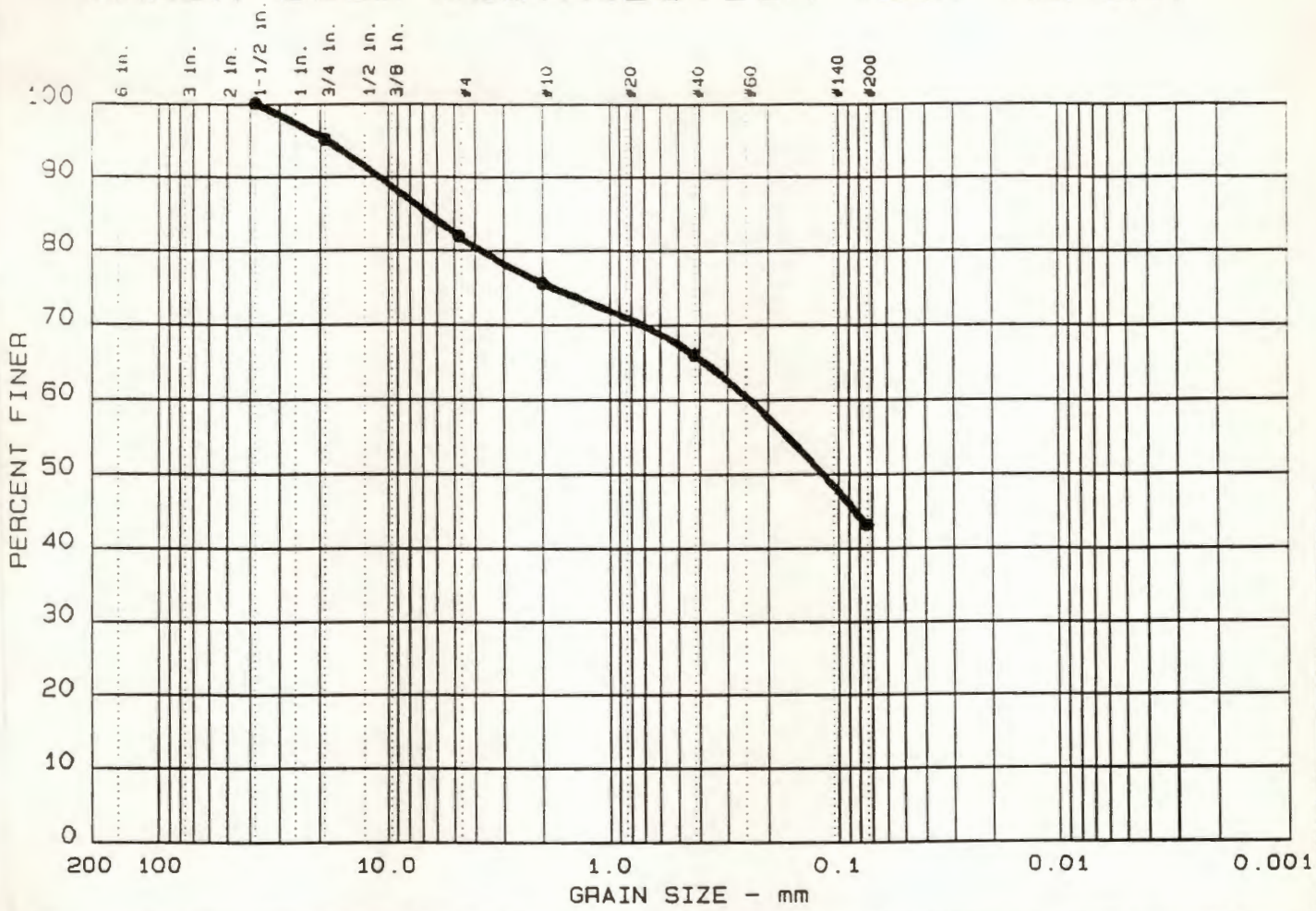
Remarks:

GRAIN SIZE DISTRIBUTION TEST REPORT

EMPIRE SOILS INVESTIGATIONS, INC.

Figure No. 1

GRAIN SIZE DISTRIBUTION TEST REPORT



	%+75mm	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	18.1	38.8	43.1	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_C	C_U
●			6.61	0.24	0.12					

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand (little gravel)	SM	

Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04
● Location: HENR MW2, 15'-18'

Date: May 27, 1993

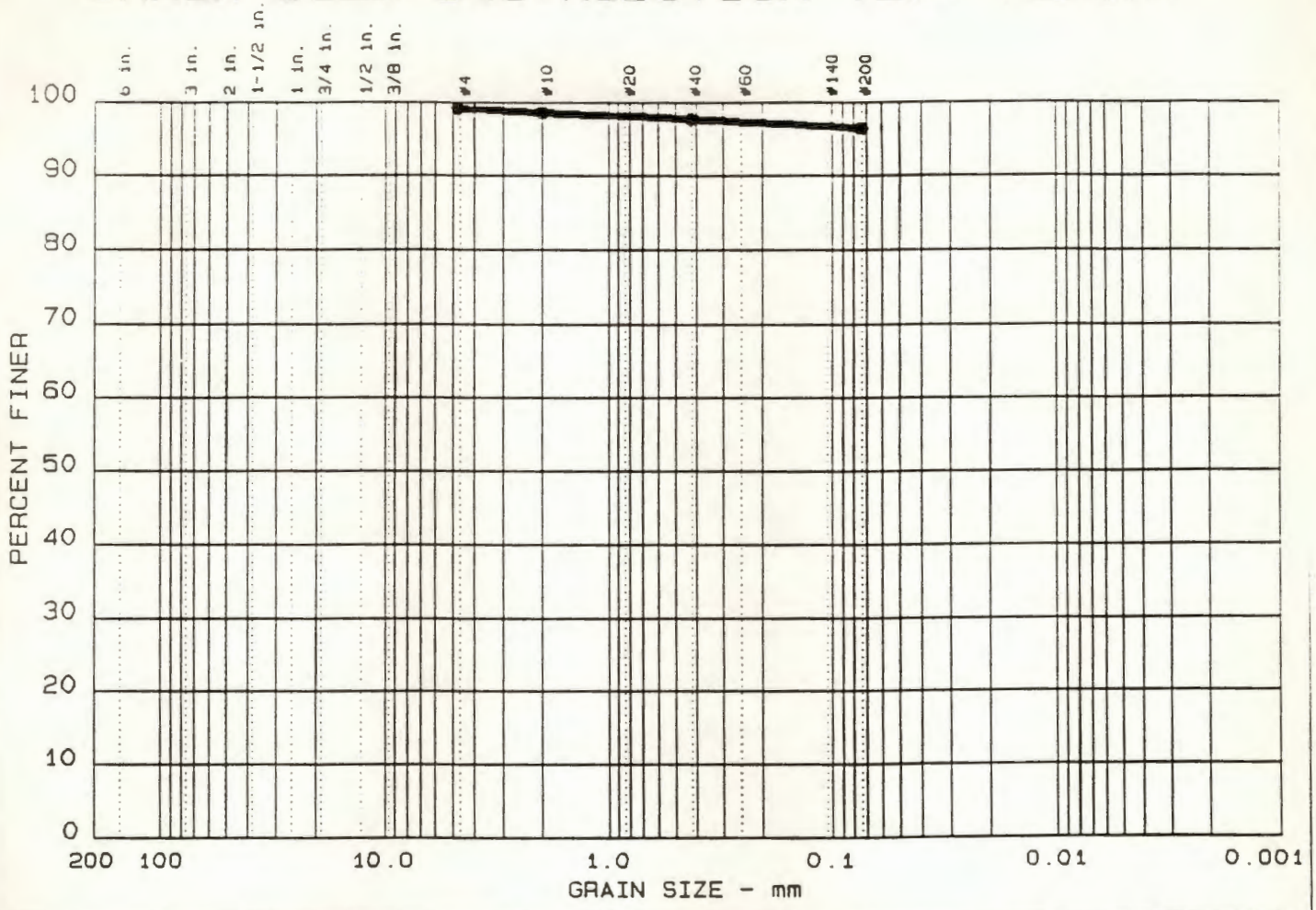
Remarks:

GRAIN SIZE DISTRIBUTION TEST REPORT

EMPIRE SOILS INVESTIGATIONS, INC.

Figure No. 2

GRAIN SIZE DISTRIBUTION TEST REPORT



	%+75mm	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	1.0	2.7	96.3	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●										

MATERIAL DESCRIPTION	USCS	AASHTO
● Silt and clay	ML or CL	

Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04
● Location: HENR MW3, 10'-12' ; 12'-14'

Date: May 27, 1993

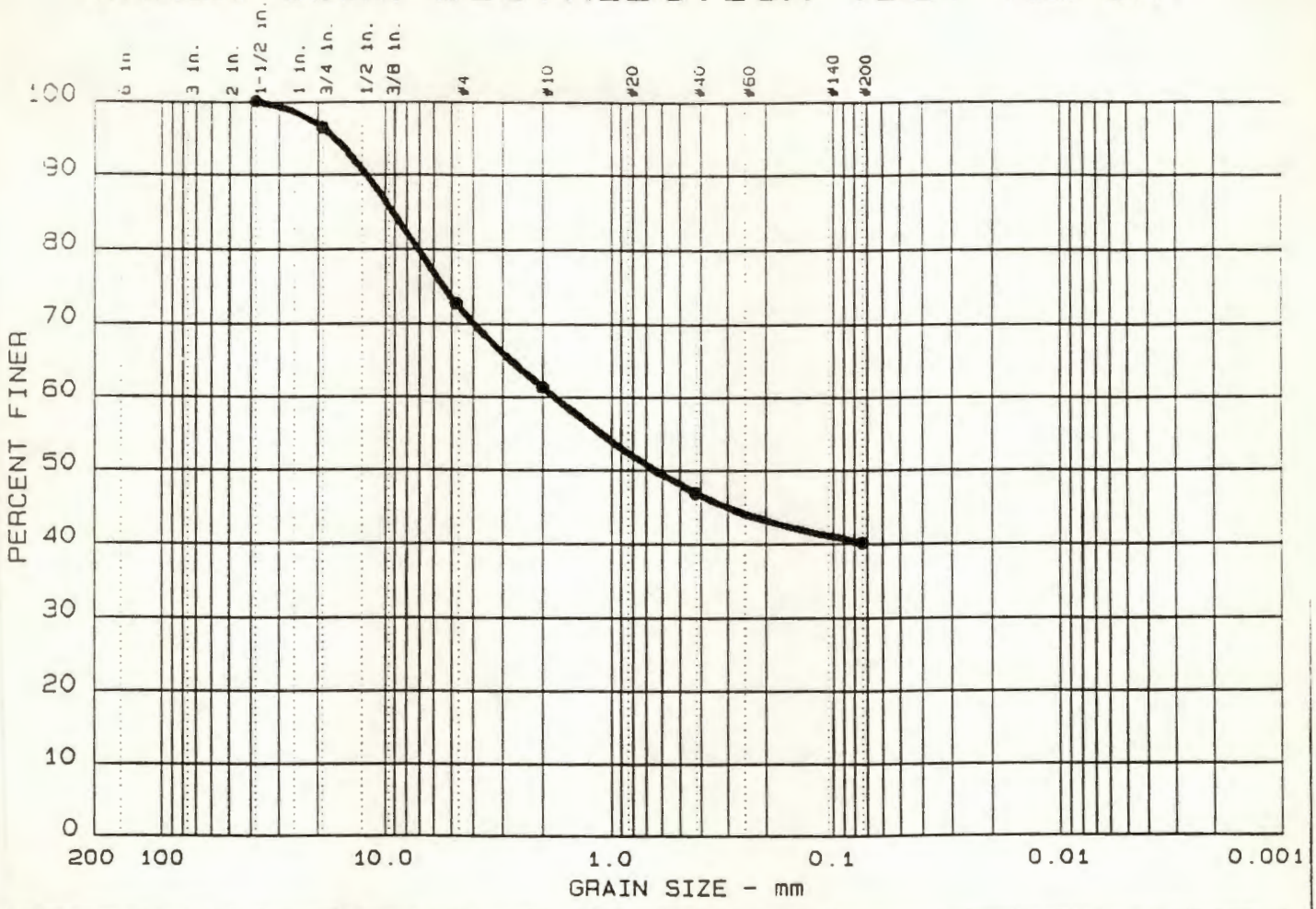
Remarks:

GRAIN SIZE DISTRIBUTION TEST REPORT

EMPIRE SOILS INVESTIGATIONS, INC.

Figure No. 3

GRAIN SIZE DISTRIBUTION TEST REPORT



	%+75mm	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	27.2	32.8	40.0	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			9.12	1.78	0.63					

	MATERIAL DESCRIPTION	USCS	AASHTO
●	Silty sand with gravel	SM	

Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04
● Location: HENR MW4, 8'-10' ; 12'-14'

Date: May 27, 1993

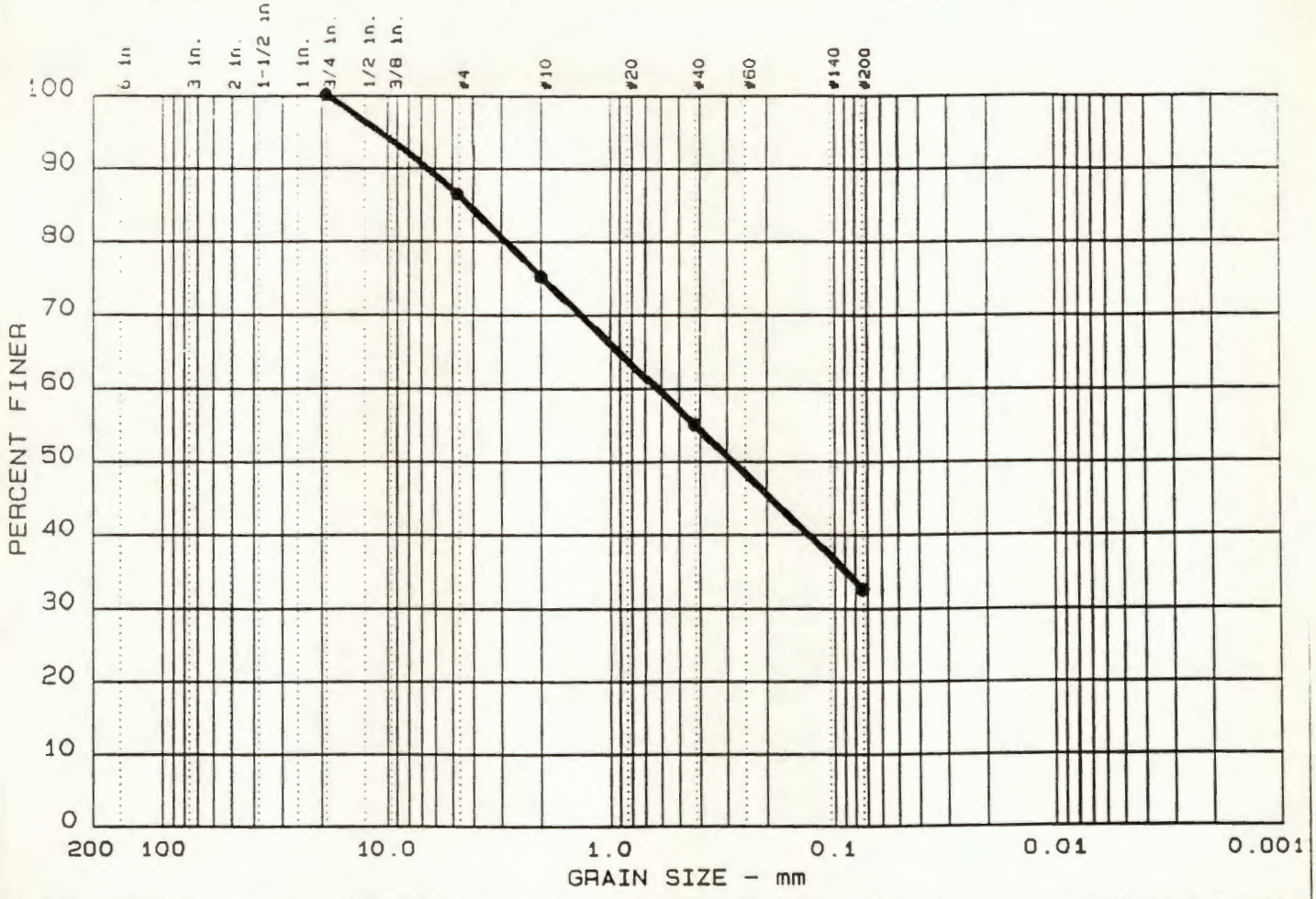
Remarks:

GRAIN SIZE DISTRIBUTION TEST REPORT

EMPIRE SOILS INVESTIGATIONS, INC.

Figure No. 4

GRAIN SIZE DISTRIBUTION TEST REPORT



	%+75mm	% GRAVEL	% SAND	% SILT	% CLAY
●	0.0	13.4	54.0	32.6	

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			4.17	0.62	0.29					

MATERIAL DESCRIPTION	USCS	AASHTO
● Silty sand (little gravel)	SM	

Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04
● Location: HENR MW5, 10'-12' ; 12'-14'

Date: May 27, 1993

Remarks:

GRAIN SIZE DISTRIBUTION TEST REPORT

EMPIRE SOILS INVESTIGATIONS, INC.

Figure No. 5

GRAIN SIZE DISTRIBUTION TEST DATA

Date: May 27, 1993
Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04

Sample Data

Location of Sample: HENR MW 1, 14'-16'; 12'-14'
Sample Description: Silty sand with gravel
USCS Class: SM Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.: 1

Mechanical Analysis Data

Initial
Dry sample and tare= 742.10
Tare = 0.00
Dry sample weight = 742.10
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
1.5 inches	0.00	0.00	100.0
0.75 inches	65.42	0.00	91.2
# 4	118.46	0.00	75.2
# 10	71.73	0.00	65.6
# 40	134.66	0.00	47.4
# 200	161.96	0.00	25.6

Fractional Components

+ 3 in. = 0.0 % GRAVEL = 24.8 % SAND = 49.6
FINES = 25.6

85= 11.22 D60= 1.216 D50= 0.519
30= 0.1035

GRAIN SIZE DISTRIBUTION TEST DATA

Date: May 27, 1993
Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04

Sample Data

Location of Sample: HENR MW2, 16'-18'
Sample Description: Silty sand (little gravel)
USCS Class: SM Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.: 2

Mechanical Analysis Data

Initial
Dry sample and tare= 378.39
Tare = 0.00
Dry sample weight = 378.39
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
1.5 inches	0.00	0.00	100.0
0.75 inches	18.58	0.00	95.1
# 4	49.88	0.00	81.9
# 10	24.01	0.00	75.6
# 40	36.39	0.00	65.9
# 200	86.45	0.00	43.1

Fractional Components

+ 3 in. = 0.0 % GRAVEL = 18.1 % SAND = 38.8
FINES = 43.1

D85= 6.61 D60= 0.240 D50= 0.116

GRAIN SIZE DISTRIBUTION TEST DATA

Date: May 27, 1993
Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04

Sample Data

Location of Sample: HENR MW3, 10'-12' ; 12'-14'
Sample Description: Silt and clay
USCS Class: ML or CL Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.: 3

Mechanical Analysis Data

Initial
ry sample and tare= 355.80
are = 0.00
ry sample weight = 355.80
ieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
# 4	3.43	0.00	99.0
# 10	2.03	0.00	98.5
# 40	3.05	0.00	97.6
# 200	4.53	0.00	96.3

Fractional Components

+ 3 in. = 0.0 % GRAVEL = 1.0 % SAND = 2.7
FINES = 96.3

GRAIN SIZE DISTRIBUTION TEST DATA

Date: May 27, 1993
Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04

Sample Data

Location of Sample: HENR MW4, 8'-10' ; 12'-14'
Sample Description: Silty sand with gravel
USCS Class: SM Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.: 4

Mechanical Analysis Data

Initial
Dry sample and tare= 501.20
Tare = 0.00
Dry sample weight = 501.20
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
1.5 inches	0.00	0.00	100.0
0.75 inches	18.19	0.00	96.4
# 4	118.33	0.00	72.8
# 10	57.53	0.00	61.3
# 40	72.53	0.00	46.8
# 200	34.17	0.00	40.0

Fractional Components

+ 3 in. = 0.0 % GRAVEL = 27.2 % SAND = 32.8
FINES = 40.0

D85= 9.12 D60= 1.778 D50= 0.631

GRAIN SIZE DISTRIBUTION TEST DATA

Date: May 27, 1993
Project No.: GT-93-029
Project: PSA Henrietta SY327.01.04

Sample Data

Location of Sample: HENR MW5, 10'-12' ; 12'-14'
Sample Description: Silty sand (little gravel)
USCS Class: SM Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.: 5

Mechanical Analysis Data

Initial
Dry sample and tare= 501.20
Tare = 0.00
Dry sample weight = 501.20
Sieve tare method

Sieve	Weight retained	Sieve tare	Percent finer
0.75 inches	0.00	0.00	100.0
# 4	67.38	0.00	86.6
# 10	56.72	0.00	75.2
# 40	101.58	0.00	55.0
# 200	112.53	0.00	32.5

Fractional Components

% + 3 in. = 0.0 % GRAVEL = 13.4 % SAND = 54.0
% FINES = 32.6

D85= 4.17 D60= 0.617 D50= 0.285

ENG-SCI

ogram: SURVEY 3.03 06-14-1993 9:10 AM Page 1
lename: B9302-1

b: ENGINEERING SCIENCE--HENRIETTA TOWN DUMP--MA # 92.85
PHOTO CONTROL AND SAMPLE LOCATIONS

: BOSK FOR MODI ASSOC. 6/93

int	Quad	Direction	Distance	Northing	Easting	Elevation
st						
1	CP-1 (PK)			10000.0000	5000.0000	0.00
2	CP-2 (PK)			9426.6697	4732.6517	0.00
3	CP-3 (PK)			8887.9442	4442.3589	546.05
4	CP-4 (PK)			8675.4737	4357.0958	547.45
5	CP-5 (PK)			8597.5441	4315.4064	0.00
6	CP-6 (RR SPIKE)			8223.8451	4134.3954	550.14
7	CP-7 (RR SPIKE)			8506.3642	3573.5664	536.37
8	CP-8 (RR SPIKE)			9066.2925	3707.0964	535.58
9	CP-9 (RR SPIKE)			8030.1503	3465.5978	537.58
10	CP-10 (NAIL)			7909.7302	3921.0790	0.00
11	CP-11 (NAIL)			7698.9280	3838.5814	0.00
12	CP-12 (NAIL)			7629.5621	3786.0874	565.69
20	SE COR HSE #93			10049.8315	4940.0191	0.00
21	SE COR HSE #95			9980.2561	4899.8272	0.00
22	NW COR HSE #94			9977.7280	5051.6529	0.00
23	SW-6			8890.0478	4274.5168	535.14
24	BW-1 TOP CASING			8923.2387	4108.5970	539.20
25	SS-1			8942.2592	4126.1235	537.35
26	MW-1 TOP CASING			8452.4415	4034.2270	542.11
27	LC-1			8416.3534	3998.0219	533.52
28	SED-4			8602.3537	3628.1776	530.54
29	SS-2			8597.5481	3621.3446	531.46
30	LC-2			8584.2504	3531.9815	529.25
31	SS-3			8600.5255	3647.4517	533.83
32	LC-3			8634.0051	3638.7060	531.08
33	SS-5			8577.7174	3620.4131	529.96
34	SS-4			8579.2943	3696.6562	536.92
35	SW-5			8597.5742	3574.6067	528.06
36	MW-4 TOP CASING			8619.5349	3538.5958	531.09
37	SW-2			8776.0172	3417.9040	526.78
38	MW-5 TOP CASING			9190.2573	3887.4428	542.63
39	MW-3 TOP CASING			8039.0269	3483.4204	537.49

b: ENGINEERING SCIENCE--HENRIETTA TOWN DUMP--MA # 92.85
PHOTO CONTROL AND SAMPLE LOCATIONS

: BOSK FOR MODI ASSOC. 6/93

int	Quad	Direction	Distance	Northing	Easting	Elevation
40		CHAINING POINT		8102.5615	3240.0166	527.19
41		SW-1		8173.9726	3262.9394	527.19
42		MW-2 TOP CASING		7683.7934	3680.6056	553.66
43		SW-3		7790.7778	3548.4908	536.36
621		PHOTO PT #621		10083.9017	4865.4100	0.00
622		PHOTO PT #622		9501.9184	4586.2816	0.00
623		PHOTO PT #623		8612.6879	4160.1833	0.00

b: ENGINEERING SCIENCE--HENRIETTA TOWN DUMP--MA # 92.85
PHOTO CONTROL AND SAMPLE LOCATIONS

: BOSK FOR MODI ASSOC. 6/93

int	Quad	Direction	Distance	Northing	Easting	Elevation
NITORING WELL DATA:						
EVATION LISTED WITH WELL COORDINATES IS TOP OF OUTER CASING ELEVATION. C = TOP OF PVC ELEVATION. OG = GROUND ELEVATION AT BASE OF WELL.						
st 26	MW-1 TOP CASING			8452.4415	4034.2270	542.11
	PVC = 541.33 FT.	OG = 539.9 FT.				
st 42	MW-2 TOP CASING			7683.7934	3680.6056	553.66
	PVC = 553.61 FT.	OG = 551.7 FT.				
st 39	MW-3 TOP CASING			8039.0269	3483.4204	537.49
	PVC = 537.21 FT.	OG = 535.1 FT.				
st 36	MW-4 TOP CASING			8619.5349	3538.5958	531.09
	PVC = 530.86 FT.	OG = 528.9 FT.				
st 38	MW-5 TOP CASING			9190.2573	3887.4428	542.63
	PVC = 542.40 FT.	OG = 540.3 FT.				
it 24	BW-1 TOP CASING			8923.2387	4108.5970	539.20
	PVC = 539.06 FT.	OG = 537.1 FT.				

APPENDIX C

LABORATORY ANALYSES

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
VOLATILES ASP91–1
SEDIMENT DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	SD001	SD001–RE	SD002	SD003	SD005	SD006
		EPA SAMPLE ID:	SD001	SD001RE	SD002	SD003	SD005	SD006
		LAB SAMPLE ID:	AS035287	AS035287RI	AS035289	AS035288	AS035286	AS034995
		SDG:	SD6	SD6	SD6	SD6	SD6	SD6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	05/04/93	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93
		ANALYZED:	05/11/93	05/11/93	05/12/93	05/12/93	05/11/93	05/05/93
		DIL. FACTOR:	1	1	1	1	1	1
		UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
74-87-3	Chloromethane		42 U	42 U	28 U	14 U	13 U	14 U
74-83-9	Bromomethane		42 U	42 U	28 U	14 U	13 U	14 U
75-01-4	Vinyl chloride		42 U	42 U	28 U	14 U	13 U	14 U
75-00-3	Chloroethane		42 U	42 U	28 U	14 U	13 U	14 U
75-09-2	Methylene chloride		280 B	330 B	42 B	23 B	64 B	10 BJ
67-64-1	Acetone		420	680	210	23	38	27 B
75-15-0	Carbon Disulfide		42 U	42 U	28 U	14 U	13 U	14 U
75-35-4	1,1-Dichloroethene		42 U	42 U	28 U	14 U	13 U	14 U
75-34-3	1,1-Dichloroethane		42 U	42 U	28 U	14 U	13 U	14 U
540-59-0	1,2-Dichloroethene (Total)		42 U	42 U	28 U	14 U	13 U	14 U
67-66-3	Chloroform		42 U	42 U	28 U	14 U	13 U	14 U
107-06-2	1,2-Dichloroethane		42 U	42 U	28 U	14 U	13 U	14 U
78-93-3	2-Butanone		150 B	190 B	56	14 U	10 BJ	9 BJ
71-55-6	1,1,1-Trichloroethane		42 U	42 U	28 U	14 U	13 U	14 U
56-23-5	Carbon Tetrachloride		42 U	42 U	28 U	14 U	13 U	14 U
75-27-4	Bromodichloromethane		42 U	42 U	28 U	14 U	13 U	14 U
78-87-5	1,2-Dichloropropane		42 U	42 U	28 U	14 U	13 U	14 U
10061-02-6	cis-1,3-Dichloropropene		42 U	42 U	28 U	14 U	13 U	14 U
79-01-6	Trichloroethene		42 U	42 U	28 U	14 U	13 U	14 U
124-48-1	Dibromochloromethane		42 U	42 U	28 U	14 U	13 U	14 U
79-00-5	1,1,2-Trichloroethane		42 U	42 U	28 U	14 U	13 U	14 U
71-43-2	Benzene		42 U	42 U	28 U	14 U	13 U	14 U
10061-01-5	trans-1,3-Dichloropropene		42 U	42 U	28 U	14 U	13 U	14 U
75-25-2	Bromoform		42 U	42 U	28 U	14 U	13 U	14 U
108-10-1	4-Methyl-2-pentanone		42 U	42 U	28 U	14 U	13 U	14 U
591-78-6	2-Hexanone		42 U	42 U	28 U	14 U	13 U	14 U
127-18-4	Tetrachloroethene		42 U	42 U	28 U	14 U	13 U	14 U
79-34-5	1,1,2,2-Tetrachloroethane		42 U	42 U	28 U	14 U	13 U	14 U
108-88-3	Toluene		42 U	42 U	28 U	14 U	13 U	14 U
108-90-7	Chlorobenzene		42 U	42 U	28 U	14 U	13 U	14 U
100-41-4	Ethyl benzene		42 U	42 U	28 U	14 U	13 U	14 U
100-42-5	Styrene		42 U	42 U	28 U	14 U	13 U	14 U
1330-20-7	Total Xylenes		42 U	42 U	28 U	14 U	13 U	14 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
SEDIMENT DATA

		FIELD SAMPLE ID:	SD001	SD002	SD002-RE	SD003	SD005	SD005-RE	SD6
		EPA SAMPLE ID:	SD001	SD002	SD002RE	SD003	SD005	SD005RE	SD6
		LAB SAMPLE ID:	AS035287	AS035289	AS035289RI	AS035288	AS035286	AS035286RI	AS034995
		SDG:	SD6	SD6	SD6	SD6	SD6	SD6	SD6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	05/04/93	05/05/93	05/05/93	05/04/93	05/04/93	05/04/93	04/30/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93
		EXTRACTED:	05/10/93	05/10/93	05/10/93	05/10/93	05/10/93	05/10/93	05/06/93
		ANALYZED:	05/25/93	05/25/93	05/25/93	05/25/93	05/25/93	05/25/93	05/17/93
		DIL. FACTOR:	1	1	1	1	1	1	1
CAS NO	COMPOUND	UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
108-95-2	Phenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
111-44-4	Bis(2-chloroethyl) ether		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
95-57-8	2-Chlorophenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
541-73-1	1,3-Dichlorobenzene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
106-46-7	1,4-Dichlorobenzene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
95-50-1	1,2-Dichlorobenzene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
95-48-7	2-Methylphenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
108-60-1	Bis(2-chloroisopropyl) ether		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
106-44-5	4-Methylphenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
621-64-7	N-Nitroso-Di-n-propylamine		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
67-72-1	Hexachloroethane		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
98-95-3	Nitrobenzene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
78-59-1	Isophorone		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
88-75-5	2-Nitrophenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
105-67-9	2,4-Dimethylphenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
111-91-1	Bis(2-chloroethoxy) methane		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
120-83-2	2,4-Dichlorophenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
120-82-1	1,2,4-Trichlorobenzene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
91-20-3	Naphthalene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
106-47-8	4-Chloroaniline		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
87-68-3	Hexachlorobutadiene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
59-50-7	4-Chloro-3-methylphenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
91-57-6	2-Methylnaphthalene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
77-47-4	Hexachlorocyclopentadiene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
88-06-2	2,4,6-Trichlorophenol		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
95-95-4	2,4,5-Trichlorophenol		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
91-58-7	2-Chloronaphthalene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
88-74-4	2-Nitroaniline		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
131-11-3	Dimethyl phthalate		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
208-96-8	Acenaphthylene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
606-20-2	2,6-Dinitrotoluene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
99-09-2	3-Nitroaniline		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
83-32-9	Acenaphthene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91–2
SEDIMENT DATA

		FIELD SAMPLE ID:	SD001	SD002	SD002–RE	SD003	SD005	SD005–RE	SD6
		EPA SAMPLE ID:	SD001	SD002	SD002RE	SD003	SD005	SD005RE	SD6
		LAB SAMPLE ID:	AS035287	AS035289	AS035289RI	AS035288	AS035286	AS035286RI	AS034995
		SDG:	SD6	SD6	SD6	SD6	SD6	SD6	SD6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	05/04/93	05/05/93	05/05/93	05/04/93	05/04/93	05/04/93	04/30/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93
		EXTRACTED:	05/10/93	05/10/93	05/10/93	05/10/93	05/10/93	05/10/93	05/06/93
		ANALYZED:	05/25/93	05/25/93	05/25/93	05/25/93	05/25/93	05/25/93	05/17/93
		DIL. FACTOR:	1	1	1	1	1	1	1
CAS NO	COMPOUND	UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
51–28–5	2,4–Dinitrophenol		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
100–02–7	4–Nitrophenol		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
132–64–9	Dibenzofuran		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
121–14–2	2,4–Dinitrotoluene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
84–66–2	Diethyl phthalate		270 BJ	330 BJ	340 BJ	140 BJ	150 BJ	150 BJ	52 J
7005–72–3	4–Chlorodiphenylether		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
86–73–7	Fluorene		1400 U	60 J	60 J	470 U	30 J	32 J	470 U
100–01–6	4–Nitroaniline		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
534–52–1	4,6–Dinitro–2–methylphenol		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
86–30–6	N–nitrosodiphenylamine		1400 U	920 U	920 U	47 J	420 U	420 U	470 U
101–55–3	4–Bromophenyl phenyl ether		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
118–74–1	Hexachlorobenzene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
87–86–5	Pentachlorophenol		3300 U	2200 U	2200 U	1100 U	1000 U	1000 U	1100 U
85–01–8	Phenanthrene		84 J	820 J	790 J	470 U	280 J	270 J	39 J
120–12–7	Anthracene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
86–74–8	Carbazole		1400 U	110 J	110 J	470 U	33 J	35 J	470 U
84–74–2	Di–n–butyl phthalate		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
206–44–0	Fluoranthene		280 J	1700	1700	470 U	340 J	370 J	68 J
129–00–0	Pyrene		360 J	2400	2400	470 U	430	390 J	65 J
85–68–7	Butyl benzyl phthalate		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
91–94–1	3,3'–Dichlorobenzidine		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
56–55–3	Benzo(a)anthracene		110 J	580 J	590 J	470 U	120 J	120 J	29 J
218–01–9	Chrysene		160 J	1100	1100	470 U	170 J	170 J	54 J
117–81–7	Bis(2–ethylhexyl) phthalate		1400 U	470 J	500 J	470 U	93 J	100 J	470 U
117–84–0	Di–n–octyl phthalate		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
205–99–2	Benzo(b)fluoranthene		150 J	1300	1200	470 U	160 J	170 J	30 J
207–08–9	Benzo(k)fluoranthene		170 J	980	1100	470 U	160 J	160 J	50 J
50–32–8	Benzo(a)pyrene		88 J	670 J	670 J	470 U	120 J	120 J	30 J
193–39–5	Indeno(1,2,3–cd)pyrene		1400 U	740 J	750 J	470 U	88 J	89 J	24 J
53–70–3	Dibenzo(a,h)anthracene		1400 U	920 U	920 U	470 U	420 U	420 U	470 U
191–24–2	Benzo(ghi)perylene		1400 U	800 J	800 J	470 U	93 J	92 J	27 J

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
PESTICIDES/AROCLORS ASP1–3
SEDIMENT DATA

	FIELD SAMPLE ID:	SD001	SD002	SD003	SD005	SD6
	EPA SAMPLE ID:	SD001	SD002	SD003	SD005	SD6
	LAB SAMPLE ID:	AS035287	AS035289	AS035288	AS035286	AS034995
	SDG:	SD6	SD6	SD6	SD6	SD6
	MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
	SAMPLED:	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93
	RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93
	EXTRACTED:	05/10/93	05/10/93	05/10/93	05/10/93	05/06/93
	ANALYZED:	05/27/93	05/27/93	05/27/93	05/27/93	05/17/93
	DIL. FACTOR:	1	1	1	1	1
CAS NO	COMPOUND	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
319–84–6	alpha–BHC	7.1 U	4.7 U	2.4 U	2.2 U	2.4 U
319–85–7	beta–BHC	7.1 U	4.7 U	2.4 U	2.2 U	2.4 U
319–86–8	delta–BHC	7.1 U	0.71 JP	2.4 U	2.2 U	2.4 U
58–89–9	gamma–BHC (Lindane)	7.1 U	4.7 U	2.4 U	2.2 U	2.4 U
76–44–8	Heptachlor	7.1 U	4.7 U	2.4 U	2.2 U	2.4 U
309–00–2	Aldrin	7.1 U	4.7 U	2.4 U	2.2 U	2.4 U
1024–57–3	Heptachlor epoxide	7.1 U	4.7 U	2.4 U	2.2 U	2.4 U
959–98–8	Endosulfan I	7.1 U	4.7 U	2.4 U	2.2 U	2.4 U
60–57–1	Dieldrin	14 U	1.5 JP	4.7 U	4.2 U	0.95 JP
72–55–9	4,4'–DDE	1.4 JP	3.1 J	4.7 U	1.3 JP	4.7 U
72–20–8	Endrin	14 U	9.2 U	4.7 U	4.2 U	4.7 U
33213–65–9	Endosulfan II	14 U	9.2 U	4.7 U	4.2 U	4.7 U
72–54–8	4,4'–DDD	14 U	5.5 J	4.7 U	3.6 JP	4.7 U
1031–07–8	Endosulfan Sulfate	14 U	9.2 U	4.7 U	4.2 U	4.7 U
50–29–3	4,4'–DDT	14 U	9.2 U	4.7 U	4.2 U	4.7 U
72–43–5	Methoxychlor	71 U	47 U	24 U	13 JP	24 U
53494–70–5	Endrin ketone	14 U	9.2 U	4.7 U	4.2 U	4.7 U
7421–93–4	Endrin aldehyde	14 U	9.2 U	4.7 U	4.2 U	4.7 U
5103–71–9	alpha–Chlordane	7.1 U	2.1 J	0.35 JP	2.2 U	2.4 U
5103–74–2	gamma–Chlordane	7.1 U	3.5 JP	0.28 JP	2.2 U	2.4 U
8001–35–2	Toxaphene	710 U	470 U	240 U	220 U	240 U
12674–11–2	Aroclor 1016	140 U	92 U	47 U	42 U	47 U
11104–28–2	Aroclor 1221	280 U	190 U	96 U	86 U	96 U
11141–16–5	Aroclor 1232	140 U	92 U	47 U	42 U	47 U
53469–21–9	Aroclor 1242	140 U	62 JP	47 U	56	47 U
12672–29–6	Aroclor 1248	140 U	92 U	47 U	42 U	47 U
11097–69–1	Aroclor 1254	140 U	92 U	47 U	42 U	47 U
11096–82–5	Aroclor 1260	140 U	62 JP	47 U	76 P	47 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
TOTAL METALS
SEDIMENT DATA

		FIELD SAMPLE ID:	SD001	SD002	SD003	SD005	SD6
		EPA SAMPLE ID:	SD001	SD002	SD003	SD005	SD6
		LAB SAMPLE ID:	6303	6305	6304	6302	6294
		SDG:	SD6	SD6	SD6	SD6	SD6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93
		ANALYZED:	5/19–20/93	5/19–20/93	5/19–20/93	5/19–20/93	5/19–20/93
		% SOLID	19.8	30.4	49.7	82.8	87.7
CAS NO	COMPOUND	UNITS:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
7429–90–5	Aluminum – Total		17200 E	11700 E	6200 E	5030 E	15500 E
7440–36–0	Antimony – Total		57.2 UN	39.5 UN	23.9 UN	13.9 UN	17.7 UN
7440–38–2	Arsenic – Total		6.7 BWN	9.9 SN*	2.3 BN*	2.2 N*	3.9 +N*
7440–39–3	Barium – Total		145 B	127 B	53.3 B	38.5 B	178
7440–41–7	Beryllium – Total		4.8 U	3.3 U	2.0 U	1.2 U	1.5 U
7440–43–9	Cadmium – Total		0.96 BN	1.9 BWN	0.55 BN	0.49 BN	0.090 BN
7440–70–2	Calcium – Total		37200 E*	23600 E*	51900 E*	48900 E*	83900 E*
7440–47–3	Chromium – Total		25.2	20.0	11.0	9.2	21.5
7440–48–4	Cobalt – Total		19.1 U	13.2 U	8.0 U	5.5 B	16.1
7440–50–8	Copper – Total		20.6 BN*	60.6 N*	17.4 N*	32.3 N*	3.0 UN*
7439–89–6	Iron – Total		30800 *	33300 *	14800 *	27900 *	27000 *
7439–92–1	Lead – Total		66.2 S*	137 *	899 *	142 N*	10.3 S*
7439–95–4	Magnesium – Total		7960 E*	5630 E*	22800 E*	26100 E*	13500 E*
7439–96–5	Manganese – Total		679 *	768 *	602 *	357 *	670 *
7439–97–6	Mercury – Total		0.46 UN*	0.51 N*	0.18 UN*	0.12 UN*	0.31 N*
7440–02–0	Nickel – Total		28.6 U	19.7 U	12.9 B	7.0 U	30.7
7440–09–7	Potassium – Total		1840 B	1680 B	996 B	824 B	1770
7782–49–2	Selenium – Total		3.8 UWN	2.5 UWN	1.6 UWN	0.89 UN	1.1 UWN
7440–22–4	Silver – Total		0.19 U	0.12 UW	0.080 U	0.040 U	0.060 BW
7440–23–5	Sodium – Total		1510 B	708 B	406 B	565 B	361 B
7440–28–0	Thallium – Total		4.6 UN	3.1 UN	2.0 UWN	1.1 UN	1.4 UN
7440–62–2	Vanadium – Total		32.7 B	23.4 B	15.7 B	8.7 B	30.9
7440–66–6	Zinc – Total		185 N*	362 N*	156 N*	165 N*	71.6 N*
57–12–5	Cyanide – Total		22.1	15.0	10.6	5.4	1.6 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
EP TOX METALS
SEDIMENT DATA

	FIELD SAMPLE ID:	SD004
	EPA SAMPLE ID:	SD004
	LAB SAMPLE ID:	6260
	SDG:	SD6
	MATRIX:	WATER
	SAMPLED:	05/05/93
	RECEIVED:	05/06/93
	ANALYZED:	5/18–21/93
	% SOLID	0
CAS NO	COMPOUND	UNITS: UG/L
7429–90–5	Aluminum – Dissolved	100 U
7440–36–0	Antimony – Dissolved	5.0 UW
7440–38–2	Arsenic – Dissolved	4.0 U
7440–39–3	Barium – Dissolved	355
7440–41–7	Beryllium – Dissolved	5.0 U
7440–43–9	Cadmium – Dissolved	0.40 BN
7440–70–2	Calcium – Dissolved	141000 *
7440–47–3	Chromium – Dissolved	10 U
7440–48–4	Cobalt – Dissolved	20.0 U
7440–50–8	Copper – Dissolved	10 U
7439–89–6	Iron – Dissolved	6060 *
7439–92–1	Lead – Dissolved	3.0 UW
7439–95–4	Magnesium – Dissolved	23900
7439–96–5	Manganese – Dissolved	3140 *
7439–97–6	Mercury – Dissolved	0.20 U
7440–02–0	Nickel – Dissolved	56.6
7440–09–7	Potassium – Dissolved	5810
7782–49–2	Selenium – Dissolved	4.0 U
7440–22–4	Silver – Dissolved	0.20 U
7440–23–5	Sodium – Dissolved	1770 B
7440–28–0	Thallium – Dissolved	5.0 UW
7440–62–2	Vanadium – Dissolved	20.0 U
7440–66–6	Zinc – Dissolved	721 *
57–12–5	Cyanide – Dissolved	10 UN

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
VOLATILES ASP91–1
SURFACE SOIL DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	SS1	SS2	SS3	SS3–DUP	SS3–DUPRE	SS4	SS5	SSWB
		EPA SAMPLE ID:	SS1	SS2	SS3	SS7	SS7RE	SS4	SS5	WASHBLANK
		LAB SAMPLE ID:	AS034996	AS034997	AS034998	AS035001	AS035001RI	AS034999	AS035000	AS035004
		SDG:	SD6	SD6	SD6			SD6		SW6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
		SAMPLED:	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93
		RECEIVED:	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93
		ANALYZED:	05/05/93	05/05/93	05/05/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		DIL. FACTOR:	1	1	1	1	1	1	1	1
		UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L
74–87–3	Chloromethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
74–83–9	Bromomethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
75–01–4	Vinyl chloride		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
75–00–3	Chloroethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
75–09–2	Methylene chloride		15 B	18 B	21 B	22 B	7 BJ	50 B	31 B	4 BJ
67–64–1	Acetone		14 U	5 BJ	5 BJ	37 B	14 U	36 B	17 B	10
75–15–0	Carbon Disulfide		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
75–35–4	1,1–Dichloroethene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
75–34–3	1,1–Dichloroethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
540–59–0	1,2–Dichloroethene (Total)		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
67–66–3	Chloroform		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
107–06–2	1,2–Dichloroethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
78–93–3	2–Butanone		12 BJ	7 BJ	6 BJ	14 U	14 U	7 BJ	15 U	5 U
71–55–6	1,1,1–Trichloroethane		14 U	47	91	39	17	18	28	10 U
56–23–5	Carbon Tetrachloride		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
75–27–4	Bromodichloromethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
78–87–5	1,2–Dichloropropane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
10061–02–8	cis–1,3–Dichloropropene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
79–01–6	Trichloroethene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
124–48–1	Dibromochloromethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
79–00–5	1,1,2–Trichloroethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
71–43–2	Benzene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
10061–01–5	trans–1,3–Dichloropropene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
75–25–2	Bromoform		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
108–10–1	4–Methyl–2–pentanone		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
591–78–6	2–Hexanone		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
127–18–4	Tetrachloroethene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
79–34–5	1,1,2,2–Tetrachloroethane		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
108–88–3	Toluene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
108–90–7	Chlorobenzene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
100–41–4	Ethyl benzene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
100–42–5	Styrene		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U
1330–20–7	Total Xylenes		14 U	14 U	14 U	14 U	14 U	13 U	15 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91–2
SURFACE SOIL DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	SS1	SS1–RE	SS2	SS3	SS3–DUP	SS4	SS4–RE	SS5	SSWB
		EPA SAMPLE ID:	SS1	SS1RE	SS2	SS3	SS7	SS4	SS4RE	SS5	WASHBLANK
		LAB SAMPLE ID:	AS034996	AS034996RI	AS034997	AS034998	AS035001	AS034999	AS034999RI	AS035000	AS035004
		SDG:	SD6	SD6	SD6	SD6	SD6	SD6	SD6	SD6	SW6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
		SAMPLED:	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93
		RECEIVED:	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93
		EXTRACTED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		ANALYZED:	05/17/93	05/17/93	05/18/93	05/17/93	05/18/93	05/17/93	05/18/93	05/18/93	05/12/93
		DIL. FACTOR:	1	1	1	1	1	1	1	1	1
		UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L
108-95-2	Phenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
111-44-4	Bis(2-chloroethyl) ether		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
95-57-8	2-Chlorophenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
541-73-1	1,3-Dichlorobenzene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
106-46-7	1,4-Dichlorobenzene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
95-50-1	1,2-Dichlorobenzene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
95-48-7	2-Methylphenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
108-60-1	Bis(2-chloroisopropyl) ether		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
106-44-5	4-Methylphenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
621-64-7	N-Nitroso-Di-n-propylamine		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
67-72-1	Hexachloroethane		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
98-95-3	Nitrobenzene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
78-59-1	Isophorone		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
88-75-5	2-Nitrophenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
105-67-9	2,4-Dimethylphenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
111-91-1	Bis(2-chloroethoxy) methane		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
120-83-2	2,4-Dichlorophenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
120-82-1	1,2,4-Trichlorobenzene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
91-20-3	Naphthalene		450 U	450 U	61 J	450 U	450 U	440 U	440 U	36 J	10 U
106-47-8	4-Chloroaniline		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
87-68-3	Hexachlorobutadiene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
59-50-7	4-Chloro-3-methylphenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
91-57-6	2-Methylnaphthalene		450 U	450 U	93 J	450 U	450 U	440 U	440 U	490 U	10 U
77-47-4	Hexachlorocyclopentadiene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
88-06-2	2,4,6-Trichlorophenol		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
95-95-4	2,4,5-Trichlorophenol		1100 U	1100 U	1100 U	1100 U	110 U	1100 U	1100 U	1200 U	25 U
91-58-7	2-Chloronaphthalene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
88-74-4	2-Nitroaniline		1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	25 U
131-11-3	Dimethyl phthalate		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
208-96-8	Acenaphthylene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
606-20-2	2,6-Dinitrotoluene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
99-09-2	3-Nitroaniline		1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	25 U
83-32-9	Acenaphthene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
SURFACE SOIL DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	SS1	SS1-RE	SS2	SS3	SS3-DUP	SS4	SS4-RE	SS5	SSWB
		EPA SAMPLE ID:	SS1	SS1RE	SS2	SS3	SS7	SS4	SS4RE	SS5	WASHBLANK
		LAB SAMPLE ID:	AS034996	AS034996RI	AS034997	AS034998	AS035001	AS034999	AS034999RI	AS035000	AS035004
		SDG:	SD6	SD6	SD6	SD6	SD6	SD6	SD6	SD6	SW6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
		SAMPLED:	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93
		RECEIVED:	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93
		EXTRACTED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		ANALYZED:	05/17/93	05/17/93	05/18/93	05/17/93	05/18/93	05/17/93	05/18/93	05/18/93	05/12/93
		DIL. FACTOR:	1	1	1	1	1	1	1	1	1
		UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L
51-28-5	2,4-Dinitrophenol		1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	25 U
100-02-7	4-Nitrophenol		1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	25 U
132-64-9	Dibenzofuran		450 U	450 U	38 J	450 U	450 U	440 U	440 U	490 U	10 U
121-14-2	2,4-Dinitrotoluene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
84-66-2	Diethyl phthalate		450 U	450 U	39 J	450 U	53 J	58 J	59 J	44 J	10 U
7005-72-3	4-Chlorodiphenylether		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
86-73-7	Fluorene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
100-01-6	4-Nitroaniline		1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	25 U
534-52-1	4,6-Dinitro-2-methylphenol		1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	25 U
86-30-6	N-nitrosodiphenylamine		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
101-55-3	4-Bromophenyl phenyl ether		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
118-74-1	Hexachlorobenzene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
87-86-5	Pentachlorophenol		1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1100 U	1200 U	25 U
85-01-8	Phenanthrene		27 J	27 J	210 J	76 J	63 J	110 J	110 J	180 J	10 U
120-12-7	Anthracene		450 U	450 U	450 U	450 U	450 U	110 J	440 U	26 J	10 U
86-74-8	Carbazole		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
84-74-2	Di-n-butyl phthalate		450 U	450 U	450 U	450 U	450 U	440 U	25 J	57 J	10 U
206-44-0	Fluoranthene		55 J	50 J	350 J	79 J	110 J	160 J	200 J	390 J	10 U
129-00-0	Pyrene		69 J	70 J	320 J	110 J	90 J	330 J	240 J	390 J	10 U
85-68-7	Butyl benzyl phthalate		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
91-94-1	3,3'-Dichlorobenzidine		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
56-55-3	Benzo(a)anthracene		31 J	33 J	180 J	44 J	42 J	130 J	120 J	190 J	10 U
218-01-9	Chrysene		34 J	35 J	260 J	63 J	67 J	140 J	140 J	250 J	10 U
117-81-7	Bis(2-ethylhexyl) phthalate		450 U	450 U	100 BJ	450 U	92 BJ	440 U	100 BJ	1100 B	1 U
117-84-0	Di-n-octyl phthalate		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
205-99-2	Benzo(b)fluoranthene		36 J	36 J	240 J	65 J	60 J	190 J	140 J	210 J	10 U
207-08-9	Benzo(k)fluoranthene		33 J	36 J	230 J	67 J	54 J	130 J	120 J	210 J	10 U
50-32-8	Benzo(a)pyrene		28 J	29 J	190 J	39 J	41 J	120 J	120 J	200 J	10 U
193-39-5	Indeno(1,2,3-cd)pyrene		450 U	450 U	190 J	450 U	40 J	57 J	96 J	180 J	10 U
53-70-3	Dibenzo(a,h)anthracene		450 U	450 U	450 U	450 U	450 U	440 U	440 U	490 U	10 U
191-24-2	Benzo(ghi)perylene		450 U	450 U	220 J	450 U	43 J	64 J	110 J	230 J	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
PESTICIDES/AROCLORS ASP1-3
SURFACE SOIL DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	SS1	SS2	SS3	SS3-DUP	SS4	SS5	SSWB
		EPA SAMPLE ID:	SS1	SS2	SS3	SS7	SS4	SS5	WASHBLANK
		LAB SAMPLE ID:	AS034996	AS034997	AS034998	AS035001	AS034999	AS035000	AS035004
		SDG:	SD6	SD6	SD6	SD6	SD6	SD6	SW6
		MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
		SAMPLED:	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93
		RECEIVED:	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93
		EXTRACTED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		ANALYZED:	05/21/93	05/21/93	05/21/93	05/21/93	05/21/93	05/21/93	05/13/93
		DIL. FACTOR:	1	1	1	1	1	1	1
		UNITS:	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/L
319-84-6	alpha-BHC		2.3 U	0.43 JP	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
319-85-7	beta-BHC		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
319-86-8	delta-BHC		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
58-89-9	gamma-BHC (Lindane)		2.3 U	0.49 JP	2.3 U	2.3 U	1.4 JP	2.5 U	0.050 U
76-44-8	Heptachlor		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
309-00-2	Aldrin		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
1024-57-3	Heptachlor epoxide		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
959-98-8	Endosulfan I		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
60-57-1	Dieldrin		4.5 U	4.4 U	4.5 U	4.5 U	4.4 U	1.9 JP	0.10 U
72-55-9	4,4'-DDE		4.5 U	1.2 JP	20	22	2.0 J	1.5 JP	0.10 U
72-20-8	Endrin		4.5 U	4.4 U	4.5 U	4.5 U	4.4 U	4.9 U	0.10 U
33213-65-9	Endosulfan II		4.5 U	4.4 U	4.5 U	4.5 U	4.4 U	4.9 U	0.10 U
72-54-8	4,4'-DDD		4.5 U	3.3 J	14	14	0.63 JP	5.3	0.10 U
1031-07-8	Endosulfan Sulfate		4.5 U	4.4 U	4.5 U	4.5 U	4.4 U	4.9 U	0.10 U
50-29-3	4,4'-DDT		4.5 U	3.3 JP	3.8 JP	7.8	0.78 JP	4.9 U	0.10 U
72-43-5	Methoxychlor		23 U	23 U	23 U	23 U	23 U	25 U	0.50 U
53494-70-5	Endrin ketone		4.5 U	4.4 U	4.5 U	4.5 U	4.4 U	4.9 U	0.10 U
7421-93-4	Endrin aldehyde		4.5 U	4.4 U	4.5 U	4.5 U	4.4 U	4.9 U	0.10 U
5103-71-9	alpha-Chlordane		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
5103-74-2	gamma-Chlordane		2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.5 U	0.050 U
8001-35-2	Toxaphene		230 U	230 U	230 U	230 U	230 U	250 U	5.0 U
12674-11-2	Aroclor 1016		45 U	44 U	45 U	45 U	44 U	49 U	1.0 U
11104-28-2	Aroclor 1221		92 U	90 U	92 U	91 U	89 U	99 U	2.0 U
11141-16-5	Aroclor 1232		45 U	44 U	45 U	45 U	44 U	49 U	1.0 U
53469-21-9	Aroclor 1242		45 U	44 U	45 U	45 U	44 U	49 U	1.0 U
12672-29-6	Aroclor 1248		45 U	55 P	73	77	51 P	94	1.0 U
11097-69-1	Aroclor 1254		45 U	83 P	50 P	57 P	47 P	120 P	1.0 U
11096-82-5	Aroclor 1260		45 U	70	53	54	49 P	61 P	1.0 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
TOTAL METALS
SURFACE SOIL DATA

	FIELD SAMPLE ID:	SS1	SS2	SS3	SS4	SS5	SSWB
	EPA SAMPLE ID:	SS1	SS2	SS3	SS4	SS5	WASHBLANK
	LAB SAMPLE ID:	6295	6296	6297	6300	6301	6234
	SDG:	SD6	SD6	SD6	SD6	SD6	SW6
	MATRIX:	SOIL	SOIL	SOIL	SOIL	SOIL	WATER
	SAMPLED:	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93	04/30/93
	RECEIVED:	05/01/93	05/01/93	05/01/93	05/01/93	05/01/93	05/06/93
	ANALYZED:	5/19–20/93	5/19–20/93	5/18–21/93	5/19–20/93	5/19–20/93	5/19–26/93
	% SOLID	89.1	89.3	76.1	77.2	70.9	0
CAS NO	COMPOUND	UNITS:	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	UG/L
7429–90–5	Aluminum – Total		5500 E	6500 E	14100 E	8000 E	5980 E	100 U
7440–36–0	Antimony – Total		13.5 UN	16.2 UN	15.6 UN	15.2 UN	16.9 UN	5.0 U
7440–38–2	Arsenic – Total		2.9 +N*	8.9 +N*	6.7 SN*	8.7 +N*	7.0 N*	4.0 U
7440–39–3	Barium – Total		33.5 B	84.6	145	195	113	40.0 U
7440–41–7	Beryllium – Total		1.1 U	1.3 U	1.3 U	1.3 U	1.4 U	5.0 U
7440–43–9	Cadmium – Total		0.15 BN	2.5 BN	1.3 BN	4.4 BN	2.2 BN	0.20 UN
7440–70–2	Calcium – Total		35000 E*	13200 E*	8980 E*	7970 E*	11400 E*	28000 BN
7440–47–3	Chromium – Total		6.1	13.5	19.4	49.5	14.3	10.0 U
7440–48–4	Cobalt – Total		4.5 U	5.4 U	7.5 B	5.1 U	5.6 U	20.0 U
7440–50–8	Copper – Total		8.0 N*	163 N*	46.1 N*	223 N*	81.4 N*	10.0 U
7439–89–6	Iron – Total		11300 *	26800 *	26900 *	26500 *	40900 *	50.0 U
7439–92–1	Lead – Total		22.5 S*	697 +*	115 S*	381 N*	446 N*	3.0 UW
7439–95–4	Magnesium – Total		16700 E*	5740 E*	6100 E*	4250 E*	6100 E*	8070
7439–96–5	Manganese – Total		376 *	392 *	366 *	474 *	336 *	5.0 U
7439–97–6	Mercury – Total		0.31 N*	1.1 N*	0.60 N*	1.5 N*	0.49 N*	0.20 U
7440–02–0	Nickel – Total		8.5 B	15.2	16.0	24.9	8.5 B	30.0 U
7440–09–7	Potassium – Total		805 B	613 B	1820	1040 B	646 B	1350 B
7782–49–2	Selenium – Total		0.86 UWN	1.1 UWN	1.1 UWN	1.0 UN	1.1 UN	4.0 UW
7440–22–4	Silver – Total		0.040 UW	2.6 B	0.050 U	0.050 U	0.060 U	0.20 UN
7440–23–5	Sodium – Total		160 U	216 U	226 B	227 B	226 U	11100
7440–28–0	Thallium – Total		1.1 UN	1.4 UN	1.3 UN	1.3 UN	1.4 UN	5.0 UW
7440–62–2	Vanadium – Total		11.0 B	12.2 B	24.9	15.8	14.4	20.0 U
7440–66–6	Zinc – Total		49.4 N*	575 N*	363 N*	778 N*	552 N*	10.0 U
57–12–5	Cyanide – Total		1.4 U	1.5	1.6 U	2.1	2.0	10.0 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
EP TOX METALS
SURFACE SOIL DATA

	FIELD SAMPLE ID:	SS3	SS3-DUP	SSWB
	EPA SAMPLE ID:	SS3	SS7	WASHBLANK
	LAB SAMPLE ID:	6256	6259	6275
	SDG:	SD6	SD6	SW6
	MATRIX:	SOIL	WATER	WATER
	SAMPLED:	04/30/93	04/30/93	04/30/93
	RECEIVED:	05/01/93	05/01/93	05/01/93
	ANALYZED:	5/18-21/93	5/18-21/93	5/19-26/93
	% SOLID	0	0	0
CAS NO	COMPOUND	UNITS: UG/L	UG/L	UG/L
7429-90-5	Aluminum – Dissolved	222	271	100 U
7440-36-0	Antimony – Dissolved	5.0 UW	5.0 UW	5.0 U
7440-38-2	Arsenic – Dissolved	4.0 UW	6.0 B	4.0 UW
7440-39-3	Barium – Dissolved	182 B	148 B	40.0 U
7440-41-7	Beryllium – Dissolved	5.0 U	5.0 U	5.0 U
7440-43-9	Cadmium – Dissolved	0.90 BN	0.60 BN	2.2 BWN
7440-70-2	Calcium – Dissolved	51100 *	68300 *	31200
7440-47-3	Chromium – Dissolved	10 U	10 U	10 U
7440-48-4	Cobalt – Dissolved	20.0 U	20.0 U	20.0 U
7440-50-8	Copper – Dissolved	10 U	10 U	11.0 B
7439-89-6	Iron – Dissolved	153 *	5200 *	54.7 B
7439-92-1	Lead – Dissolved	3.0 W	3.0	3.0 UW
7439-95-4	Magnesium – Dissolved	14800	16200	8030
7439-96-5	Manganese – Dissolved	561 *	899 *	5.4 B
7439-97-6	Mercury – Dissolved	0.20 U	0.20 U	0.20 U
7440-02-0	Nickel – Dissolved	30.0 U	33.3 B	30.0 U
7440-09-7	Potassium – Dissolved	13800	10800	1430 B
7782-49-2	Selenium – Dissolved	4.0 U	4.0 U	4.0 U
7440-22-4	Silver – Dissolved	0.20 U	0.20 U	0.20 UN
7440-23-5	Sodium – Dissolved	3630 B	3820 B	11100
7440-28-0	Thallium – Dissolved	5.0 U	5.0 UW	5.0 UW
7440-62-2	Vanadium – Dissolved	20.0 U	20.0 U	20.0 U
7440-66-6	Zinc – Dissolved	150 *	225 *	12.1 B
57-12-5	Cyanide – Dissolved	10 UN	10 UN	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
VOLATILES ASP91-1
SUB-SURFACE DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	DW	SSMW1	SSMW2	SSMW3	SSMW3-DUP	SSMW4	SSMW5
		EPA SAMPLE ID:	HENRDW	SSMW1	SSMW2	SSMW3	SSMW3 FD	SSMW4	SSMW5
		LAB SAMPLE ID:	AS033375	AS033373	AS033518	AS033517	AS033517FD	AS033374	AS032573
		SDG:	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5
		MATRIX:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	04/12/93	04/12/93	04/14/93	04/14/93	04/14/93	04/12/93	04/07/93
		RECEIVED:	04/14/93	04/14/93	04/15/93	04/15/93	04/15/93	04/14/93	04/08/93
		ANALYZED:	04/16/93	04/15/93	04/20/93	04/20/93	04/16/93	04/15/93	04/09/93
		DIL. FACTOR:	1	1	1	1	1	1	1
		UNITS:	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
74-87-3	Chloromethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
74-83-9	Bromomethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
75-01-4	Vinyl chloride		10 U	11 U	11 U	14 U	13 U	14 U	11 U
75-00-3	Chloroethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
75-09-2	Methylene chloride		2 BJ	23 B	59 B	120 B	28 B	14 BJ	11 BJ
67-64-1	Acetone		13	25 B	81 B	79 B	9 J	14 U	11 U
75-15-0	Carbon Disulfide		10 U	11 U	11 U	14 U	13 U	14 U	11 U
75-35-4	1,1-Dichloroethene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
75-34-3	1,1-Dichloroethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
540-59-0	1,2-Dichloroethene (Total)		10 U	11 U	11 U	14 U	13 U	14 U	11 U
67-66-3	Chloroform		30	11 U	11 U	14 U	13 U	14 U	11 U
107-06-2	1,2-Dichloroethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
78-93-3	2-Butanone		10 U	11 U	3 J	14 U	13 U	14 U	7 J
71-55-6	1,1,1-Trichloroethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
56-23-5	Carbon Tetrachloride		10 U	11 U	11 U	14 U	13 U	14 U	11 U
75-27-4	Bromodichloromethane		4 J	11 U	11 U	14 U	13 U	14 U	11 U
78-87-5	1,2-Dichloropropane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
10061-02-6	cis-1,3-Dichloropropene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
79-01-6	Trichloroethene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
124-48-1	Dibromochloromethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
79-00-5	1,1,2-Trichloroethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
71-43-2	Benzene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
10061-01-5	trans-1,3-Dichloropropene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
75-25-2	Bromoform		10 U	11 U	11 U	14 U	13 U	14 U	11 U
108-10-1	4-Methyl-2-pentanone		10 U	11 U	11 U	14 U	13 U	14 U	11 U
591-78-6	2-Hexanone		10 U	11 U	11 U	14 U	13 U	14 U	11 U
127-18-4	Tetrachloroethene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
79-34-5	1,1,2,2-Tetrachloroethane		10 U	11 U	11 U	14 U	13 U	14 U	11 U
108-88-3	Toluene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
108-90-7	Chlorobenzene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
100-41-4	Ethyl benzene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
100-42-5	Styrene		10 U	11 U	11 U	14 U	13 U	14 U	11 U
1330-20-7	Total Xylenes		10 U	11 U	11 U	14 U	13 U	14 U	11 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
SUB-SURFACE DATA

	FIELD SAMPLE ID:	DW	SSMW1	SSMW2	SSMW3	SSMW3-DUP	SSMW4	SSMW5
	EPA SAMPLE ID:	HENRDW	SSMW1	SSMW2	SSMW3	SSMW3 FD	SSMW4	SSMW5
	LAB SAMPLE ID:	AS033375	AS033373	AS033518	AS033517	AS033517FD	AS033374	AS032573
	SDG:	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5
	MATRIX:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	SAMPLED:	04/12/93	04/12/93	04/14/93	04/14/93	04/14/93	04/12/93	04/07/93
	RECEIVED:	04/14/93	04/14/93	04/15/93	04/15/93	04/15/93	04/14/93	04/08/93
	EXTRACTED:	04/19/93	04/19/93	04/20/93	04/20/93	04/20/93	04/19/93	04/12/93
	ANALYZED:	04/21/93	04/26/93	04/26/93	04/26/93	04/26/93	04/26/93	04/15/93
	DIL. FACTOR:	1	1	1	1	1	1	1
CAS NO	COMPOUND	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
108-95-2	Phenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
111-44-4	Bis(2-chloroethyl) ether	10 U	370 U	370 U	440 U	430 U	460 U	370 U
95-57-8	2-Chlorophenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
541-73-1	1,3-Dichlorobenzene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
106-46-7	1,4-Dichlorobenzene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
95-50-1	1,2-Dichlorobenzene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
95-48-7	2-Methylphenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
108-60-1	Bis(2-chloroisopropyl) ether	10 U	370 U	370 U	440 U	430 U	460 U	370 U
106-44-5	4-Methylphenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
621-64-7	N-Nitroso-Di-n-propylamine	10 U	370 U	370 U	440 U	430 U	460 U	370 U
67-72-1	Hexachloroethane	10 U	370 U	370 U	440 U	430 U	460 U	370 U
98-95-3	Nitrobenzene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
78-59-1	Isophorone	10 U	370 U	370 U	440 U	430 U	460 U	370 U
88-75-5	2-Nitrophenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
105-67-9	2,4-Dimethylphenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
111-91-1	Bis(2-chloroethoxy) methane	10 U	370 U	370 U	440 U	430 U	460 U	370 U
120-83-2	2,4-Dichlorophenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
120-82-1	1,2,4-Trichlorobenzene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
91-20-3	Naphthalene	1 J	370 U	370 U	440 U	430 U	460 U	370 U
106-47-8	4-Chloroaniline	10 U	370 U	370 U	440 U	430 U	460 U	370 U
87-68-3	Hexachlorobutadiene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
59-50-7	4-Chloro-3-methylphenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
91-57-6	2-Methylnaphthalene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
77-47-4	Hexachlorocyclopentadiene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
88-06-2	2,4,6-Trichlorophenol	10 U	370 U	370 U	440 U	430 U	460 U	370 U
95-95-4	2,4,5-Trichlorophenol	25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
91-58-7	2-Chloronaphthalene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
88-74-4	2-Nitroaniline	25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
131-11-3	Dimethyl phthalate	10 U	370 U	370 U	440 U	430 U	460 U	370 U
208-96-8	Acenaphthylene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
606-20-2	2,6-Dinitrotoluene	10 U	370 U	370 U	440 U	430 U	460 U	370 U
99-09-2	3-Nitroaniline	25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
83-32-9	Acenaphthene	10 U	370 U	370 U	440 U	430 U	460 U	370 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
SUB-SURFACE DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	DW	SSMW1	SSMW2	SSMW3	SSMW3-DUP	SSMW4	SSMW5
		EPA SAMPLE ID:	HENRDW	SSMW1	SSMW2	SSMW3	SSMW3 FD	SSMW4	SSMW5
		LAB SAMPLE ID:	AS033375	AS033373	AS033518	AS033517	AS033517FD	AS033374	AS032573
		SDG:	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5
		MATRIX:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	04/12/93	04/12/93	04/14/93	04/14/93	04/14/93	04/12/93	04/07/93
		RECEIVED:	04/14/93	04/14/93	04/15/93	04/15/93	04/15/93	04/14/93	04/08/93
		EXTRACTED:	04/19/93	04/19/93	04/20/93	04/20/93	04/20/93	04/19/93	04/12/93
		ANALYZED:	04/21/93	04/26/93	04/26/93	04/26/93	04/26/93	04/26/93	04/15/93
		DIL. FACTOR:	1	1	1	1	1	1	1
		UNITS:	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
51-28-5	2,4-Dinitrophenol		25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
100-02-7	4-Nitrophenol		25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
132-64-9	Dibenzofuran		10 U	370 U	370 U	440 U	430 U	460 U	370 U
121-14-2	2,4-Dinitrotoluene		10 U	370 U	370 U	440 U	430 U	460 U	370 U
84-66-2	Diethyl phthalate		10 U	370 U	370 U	39 J	44 J	460 U	370 U
7005-72-3	4-Chlorodiphenylether		10 U	370 U	370 U	440 U	430 U	460 U	370 U
86-73-7	Fluorene		10 U	370 U	370 U	440 U	430 U	460 U	370 U
100-01-6	4-Nitroaniline		25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
534-52-1	4,6-Dinitro-2-methylphenol		25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
86-30-6	N-nitrosodiphenylamine		10 U	370 U	370 U	440 U	430 U	460 U	370 U
101-55-3	4-Bromophenyl phenyl ether		10 U	370 U	370 U	440 U	430 U	460 U	370 U
118-74-1	Hexachlorobenzene		10 U	370 U	370 U	440 U	430 U	460 U	370 U
87-86-5	Pentachlorophenol		25 U	910 U	890 U	1100 U	1000 U	1100 U	910 U
85-01-8	Phenanthrene		10 U	120 J	370 U	440 U	430 U	460 U	370 U
120-12-7	Anthracene		10 U	21 J	370 U	440 U	430 U	460 U	370 U
86-74-8	Carbazole		10 U	370 U	370 U	440 U	430 U	460 U	370 U
84-74-2	Di-n-butyl phthalate		5 J	370 U	370 U	440 U	430 U	27 J	370 U
206-44-0	Fluoranthene		10 U	180 J	370 U	440 U	430 U	460 U	370 U
129-00-0	Pyrene		10 U	180 J	370 U	440 U	430 U	480 U	370 U
85-68-7	Butyl benzyl phthalate		10 U	370 U	370 U	440 U	430 U	460 U	370 U
91-94-1	3,3'-Dichlorobenzidine		10 U	370 U	370 U	440 U	430 U	460 U	370 U
56-55-3	Benzo(a)anthracene		10 U	91 J	370 U	440 U	430 U	460 U	370 U
218-01-9	Chrysene		10 U	98 J	370 U	440 U	430 U	460 U	370 U
117-81-7	Bis(2-ethylhexyl) phthalate		3 J	57 J	370 U	440 U	430 U	40 J	370 U
117-84-0	Di-n-octyl phthalate		0.8 J	370 U	370 U	440 U	430 U	460 U	370 U
205-99-2	Benzo(b)fluoranthene		10 U	78 J	370 U	440 U	430 U	460 U	370 U
207-08-9	Benzo(k)fluoranthene		10 U	86 J	370 U	440 U	430 U	460 U	370 U
50-32-8	Benzo(a)pyrene		10 U	78 J	370 U	440 U	430 U	460 U	370 U
193-39-5	Indeno(1,2,3-cd)pyrene		10 U	45 J	370 U	440 U	430 U	460 U	370 U
53-70-3	Dibenzo(a,h)anthracene		10 U	370 U	370 U	440 U	430 U	460 U	370 U
191-24-2	Benzo(ghi)perylene		10 U	47 J	370 U	440 U	430 U	460 U	370 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
PESTICIDES/AROCLORS ASP91-3
SUB-SURFACE DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	DW	SSMW1	SSMW2	SSMW3	SSMW3-DUP	SSMW4	SSMW5
		EPA SAMPLE ID:	HENRDW	SSMW1	SSMW2	SSMW3	SSMW3FD	SSMW4	SSMW5
		LAB SAMPLE ID:	AS033375	AS033373	AS033518	AS033517	AS033517FD	AS033374	AS032573
		SDG:	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5
		MATRIX:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	04/12/93	04/12/93	04/14/93	04/14/93	04/14/93	04/12/93	04/07/93
		RECEIVED:	04/14/93	04/14/93	04/15/93	04/15/93	04/15/93	04/14/93	04/08/93
		EXTRACTED:	04/19/93	04/19/93	04/20/93	04/20/93	04/20/93	04/19/93	04/12/93
		ANALYZED:	04/23/93	04/27/93	04/29/93	04/26/93	04/29/93	04/27/93	04/19/93
		DIL. FACTOR:	1	1	1	1	1	1	1
		UNITS:	UG/L	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG	UG/KG
319-84-6	alpha-BHC		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
319-85-7	beta-BHC		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
319-86-8	delta-BHC		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	0.67 JP	1.9 U
58-89-9	gamma-BHC (Lindane)		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
76-44-8	Heptachlor		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
309-00-2	Aldrin		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
1024-57-3	Heptachlor epoxide		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
959-98-8	Endosulfan I		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
60-57-1	Dieldrin		0.10 U	3.7 U	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
72-55-9	4,4'-DDE		0.10 U	0.54 JP	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
72-20-8	Endrin		0.10 U	3.7 U	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
33213-65-9	Endosulfan II		0.10 U	0.89 J	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
72-54-8	4,4'-DDD		0.10 U	1.2 JP	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
1031-07-8	Endosulfan Sulfate		0.10 U	3.7 U	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
50-29-3	4,4'-DDT		0.10 U	0.45 J	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
72-43-5	Methoxychlor		0.50 U	19 U	19 U	23 U	22 U	24 U	19 U
53494-70-5	Endrin ketone		0.10 U	0.59 JP	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
7421-93-4	Endrin aldehyde		0.10 U	3.7 U	3.7 U	4.5 U	4.3 U	4.6 U	3.7 U
5103-71-9	alpha-Chlordane		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
5103-74-2	gamma-Chlordane		0.050 U	1.9 U	1.9 U	2.3 U	2.2 U	2.4 U	1.9 U
8001-35-2	Toxaphene		5.0 U	190 U	190 U	230 U	220 U	240 U	190 U
12674-11-2	Aroclor 1016		1.0 U	37 U	37 U	45 U	43 U	46 U	37 U
11104-28-2	Aroclor 1221		2.0 U	76 U	74 U	91 U	88 U	94 U	76 U
11141-16-5	Aroclor 1232		1.0 U	37 U	37 U	45 U	43 U	46 U	37 U
53469-21-9	Aroclor 1242		1.0 U	37 U	37 U	45 U	43 U	46 U	37 U
12672-29-6	Aroclor 1248		1.0 U	37 U	37 U	45 U	43 U	46 U	37 U
11097-69-1	Aroclor 1254		1.0 U	37 U	37 U	45 U	43 U	46 U	37 U
11096-82-5	Aroclor 1260		1.0 U	37 U	37 U	45 U	43 U	46 U	37 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
TOTAL METALS
SUB–SURFACE DATA

		FIELD SAMPLE ID:	DW	SSMW1	SSMW2	SSMW3	SSMW3–DUP	SSMW4	SSMW5
		EPA SAMPLE ID:	HENRDW	SSMW1	SSMW2	SSMW3	SSMW3FD	SSMW4	SSMW5
		LAB SAMPLE ID:	5667	5683	5689	5687	5688	5686	5392
		SDG:	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5	SSMW5
		MATRIX:	WATER	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		SAMPLED:	04/12/93	04/12/93	04/14/93	04/14/93	04/14/93	04/12/93	04/07/93
		RECEIVED:	04/14/93	04/14/93	04/15/93	04/15/93	04/15/93	04/14/93	04/08/93
		ANALYZED:	4/26–29/93	4/17–27/93	4/17–27/93	4/17–27/93	4/17–27/93	4/17–27/93	4/17–27/93
		% SOLIDS	0	85.7	90.1	82	74.8	73.8	87.7
CAS NO	COMPOUND	UNITS:	UG/L	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG	MG/KG
7429–90–5	Aluminum – Total		273	8660	7520	10600	21600	15300	7100
7440–36–0	Antimony – Total		5.0 U	14.0 UN	13.3 UN	14.8 UN	15.9 UN	15.3 UN	13.4 UN
7440–38–2	Arsenic – Total		4.0 U	5.4	2.8	4.0	5.3	2.7	3.0
7440–39–3	Barium – Total		40.0 UN	51.2 N	118 N	106 N	141 N	191 N	26.1 BN
7440–41–7	Beryllium – Total		5.0 UN	1.2 UN	1.1 UN	1.2 UN	1.3 UN	1.3 UN	1.1 UN
7440–43–9	Cadmium – Total		0.20 UN	0.16 BN	0.090 BN	0.050 BN	0.050 UWN	0.11 BN	0.24 B+N
7440–70–2	Calcium – Total		23500 *	25500 *	28100 *	30900 *	48800 *	29000 *	37500 *
7440–47–3	Chromium – Total		10 UN	19.4 N	9.9 N	16.1 N	30.0 N	19.8 N	8.4 N
7440–48–4	Cobalt – Total		20.0 UN	7.1 BN	8.7 BN	10.3 BN	13.3 N	7.8 BN	5.4 BN
7440–50–8	Copper – Total		61.4 N	2.3 UN	2.2 UN	2.4 UN	2.6 UN	7.3 N	2.5 BN
7439–89–6	Iron – Total		416	15100	14400	18000	31600	18000	11900
7439–92–1	Lead – Total		3.0 U	29.3 S	9.8	11.0	10.5	16.0 S	13.1
7439–95–4	Magnesium – Total		5680 *	13100 *	14800 *	8680 *	15800 *	15000 *	18000 *
7439–96–5	Manganese – Total		19.4	447	2650	345	552	346	430
7439–97–6	Mercury – Total		0.20 U	0.11 U	0.10 U	0.12 U	0.13 U	0.12 U	0.11 U
7440–02–0	Nickel – Total		30.0 UN	16.7 N	31.1 N	18.1 N	31.2 N	16.2 N	13.9 N
7440–09–7	Potassium – Total		1330 B	1450	1210	2660	5950	2640	1500
7782–49–2	Selenium – Total		4.0 UN	0.93 UWN	0.85 UWN	0.95 UWN	1.1 UWN	1.1 UWN	0.86 UN
7440–22–4	Silver – Total		10 U	2.3 U	2.2 U	2.4 U	2.6 U	2.6 U	2.2 U
7440–23–5	Sodium – Total		10600	298 B	185 B	325 B	474 B	300 B	249 B
7440–28–0	Thallium – Total		5.0 U	1.2 U	1.1 U	1.2 U	1.3 U	1.3 U	1.1 UW
7440–62–2	Vanadium – Total		20.0 UN	20.3 N	18.2 N	21.4 N	42.3 N	22.2 N	13.8 N
7440–66–6	Zinc – Total		77.5 N	65.4 N	78.8 N	44.0 N	70.3 N	86.8 N	58.1 N
57–12–5	Cyanide – Total		28.0 *	2.5 *	1.8 *	1.5 U*	1.8 U*	10.9 *	1.3 *

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
VOLATILES ASP91–1
GROUNDWATER DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB	TB2
		EPA SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB	TRIPBLANK
		LAB SAMPLE ID:	AS035309	AS035307	AS035306	AS035308	AS035310	AS035311	AS035303	AS035313
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/06/93	05/05/93	05/05/93	05/05/93	05/06/93	05/06/93	05/05/93	05/06/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		ANALYZED:	05/11/93	05/10/93	05/11/93	05/10/93	05/11/93	05/10/93	05/10/93	05/10/93
		DIL. FACTOR:	1	1	1	1	1	1	1	1
		UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
74–87–3	Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
74–83–9	Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
75–01–4	Vinyl chloride		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
75–00–3	Chloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
75–09–2	Methylene chloride		6 BJ	27 B	3 BJ	29 B	19 B	14 B	7 BJ	7 BJ
67–64–1	Acetone		10 U	10 U	10 U	10	10 U	22	10 U	10 U
75–15–0	Carbon Disulfide		1 J	10 U	10 U	10 U	10 U	10 U	10 U	10 U
75–35–4	1,1–Dichloroethene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
75–34–3	1,1–Dichloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
540–59–0	1,2–Dichloroethene (Total)		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
67–66–3	Chloroform		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
107–06–2	1,2–Dichloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
78–93–3	2–Butanone		10 U	10 U	8 J	10 U	10 U	10 U	7 BJ	10 U
71–55–6	1,1,1–Trichloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
56–23–5	Carbon Tetrachloride		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
75–27–4	Bromodichloromethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
78–87–5	1,2–Dichloropropane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
10061–02–6	cis–1,3–Dichloropropene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
79–01–6	Trichloroethene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
124–48–1	Dibromochloromethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
79–00–5	1,1,2–Trichloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
71–43–2	Benzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
10061–01–5	trans–1,3–Dichloropropene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
75–25–2	Bromoform		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
108–10–1	4–Methyl–2–pentanone		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
591–78–6	2–Hexanone		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
127–18–4	Tetrachloroethene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
79–34–5	1,1,2,2–Tetrachloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
108–88–3	Toluene		1 BJ	10 U	10 U	1 J	10 U	10 U	10 U	10 U
108–90–7	Chlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
100–41–4	Ethyl benzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
100–42–5	Styrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
1330–20–7	Total Xylenes		10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
GROUNDWATER DATA

		FIELD SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
		EPA SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
		LAB SAMPLE ID:	AS035309	AS035307	AS035306	AS035308	AS035310	AS035311	AS035303
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/06/93	05/05/93	05/05/93	05/05/93	05/06/93	05/06/93	05/05/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		EXTRACTED:	05/11/93	05/11/93	05/11/93	05/11/93	05/11/93	05/11/93	05/11/93
		ANALYZED:	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93
		DIL. FACTOR:	1	1	1	1	1	1	1
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
108-95-2	Phenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
111-44-4	Bis(2-chloroethyl) ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U
95-57-8	2-Chlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
541-73-1	1,3-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
106-46-7	1,4-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
95-50-1	1,2-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
95-48-7	2-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
108-60-1	Bis(2-chloroisopropyl) ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U
106-44-5	4-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
621-64-7	N-Nitroso-Di-n-propylamine		10 U	10 U	10 U	10 U	10 U	10 U	10 U
67-72-1	Hexachloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
98-95-3	Nitrobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
78-59-1	Isophorone		10 U	10 U	10 U	10 U	10 U	10 U	10 U
88-75-5	2-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
105-67-9	2,4-Dimethylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
111-91-1	Bis(2-chloroethoxy) methane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
120-83-2	2,4-Dichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
120-82-1	1,2,4-Trichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
91-20-3	Naphthalene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
106-47-8	4-Chloroaniline		10 U	10 U	10 U	10 U	10 U	10 U	10 U
87-68-3	Hexachlorobutadiene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
59-50-7	4-Chloro-3-methylphenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
91-57-6	2-Methylnaphthalene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
77-47-4	Hexachlorocyclopentadiene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
88-06-2	2,4,6-Trichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U	10 U
95-95-4	2,4,5-Trichlorophenol		25 U	25 U	25 U	25 U	25 U	25 U	25 U
91-58-7	2-Chloronaphthalene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
88-74-4	2-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U	25 U
131-11-3	Dimethyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U
208-96-8	Acenaphthylene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
606-20-2	2,6-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
99-09-2	3-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U	25 U
83-32-9	Acenaphthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91–2
GROUNDWATER DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
		EPA SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
		LAB SAMPLE ID:	AS035309	AS035307	AS035306	AS035308	AS035310	AS035311	AS035303
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/06/93	05/05/93	05/05/93	05/05/93	05/06/93	05/06/93	05/05/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		EXTRACTED:	05/11/93	05/11/93	05/11/93	05/11/93	05/11/93	05/11/93	05/11/93
		ANALYZED:	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93
		DIL. FACTOR:	1	1	1	1	1	1	1
		UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
51-28-5	2,4-Dinitrophenol		25 U	25 U	25 U	25 U	25 U	25 U	25 U
100-02-7	4-Nitrophenol		25 U	25 U	25 U	25 U	25 U	25 U	25 U
132-64-9	Dibenzofuran		10 U	10 U	10 U	10 U	10 U	10 U	10 U
121-14-2	2,4-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
84-66-2	Diethyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U
7005-72-3	4-Chlorodiphenylether		10 U	10 U	10 U	10 U	10 U	10 U	10 U
86-73-7	Fluorene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
100-01-6	4-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U	25 U
534-52-1	4,6-Dinitro-2-methylphenol		25 U	25 U	25 U	25 U	25 U	25 U	25 U
86-30-6	N-nitrosodiphenylamine		10 U	10 U	10 U	10 U	10 U	10 U	10 U
101-55-3	4-Bromophenyl phenyl ether		10 U	10 U	10 U	10 U	10 U	10 U	10 U
118-74-1	Hexachlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
87-86-5	Pentachlorophenol		25 U	25 U	25 U	25 U	25 U	25 U	25 U
85-01-8	Phenanthrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
120-12-7	Anthracene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
86-74-8	Carbazole		10 U	10 U	10 U	10 U	10 U	10 U	10 U
84-74-2	Di-n-butyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U
206-44-0	Fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
129-00-0	Pyrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
85-68-7	Butyl benzyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U
91-94-1	3,3'-Dichlorobenzidine		10 U	10 U	10 U	10 U	10 U	10 U	10 U
56-55-3	Benzo(a)anthracene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
218-01-9	Chrysene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
117-81-7	Bis(2-ethylhexyl) phthalate		1 J	10 U	10 U	10 U	10 U	10 U	10 U
117-84-0	Di-n-octyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U	10 U
205-99-2	Benzo(b)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
207-08-9	Benzo(k)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
50-32-8	Benzo(a)pyrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
193-39-5	Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
53-70-3	Dibenzo(a,h)anthracene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
191-24-2	Benzo(ghi)perylene		10 U	10 U	10 U	10 U	10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
PESTICIDES/AROCLORS ASP91-3
GROUNDWATER DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
		EPA SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
		LAB SAMPLE ID:	AS035309	AS035307	AS035306	AS035308	AS035310	AS035311	AS035303
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/06/93	05/05/93	05/05/93	05/05/93	05/06/93	05/06/93	05/05/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
		EXTRACTED:	05/10/93	05/10/93	05/10/93	05/10/93	05/10/93	05/10/93	05/10/93
		ANALYZED:	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93	05/26/93
		DIL. FACTOR:	1	1	1	1	1	1	1
		UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
319-84-6	alpha-BHC		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
319-85-7	beta-BHC		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
319-86-8	delta-BHC		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
58-89-9	gamma-BHC (Lindane)		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
76-44-8	Heptachlor		0.050 U	0.0056 J	0.022 J	0.050 U	0.0087 JP	0.050 U	0.050 U
309-00-2	Aldrin		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
1024-57-3	Heptachlor epoxide		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
959-98-8	Endosulfan I		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
60-57-1	Dieldrin		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-55-9	4,4'-DDE		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-20-8	Endrin		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
33213-65-9	Endosulfan II		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-54-8	4,4'-DDD		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1031-07-8	Endosulfan Sulfate		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
50-29-3	4,4'-DDT		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-43-5	Methoxychlor		0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
53494-70-5	Endrin ketone		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
7421-93-4	Endrin aldehyde		0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
5103-71-9	alpha-Chlordane		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
5103-74-2	gamma-Chlordane		0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
8001-35-2	Toxaphene		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
12674-11-2	Aroclor 1016		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11104-28-2	Aroclor 1221		2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
11141-16-5	Aroclor 1232		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
53469-21-9	Aroclor 1242		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
12672-29-6	Aroclor 1248		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11097-69-1	Aroclor 1254		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11096-82-5	Aroclor 1260		1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
TOTAL METALS
GROUNDWATER DATA

	FIELD SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
	EPA SAMPLE ID:	GW001	GW002	GW003	GW004	GW005	GWBW1	GWWB
	LAB SAMPLE ID:	6249	6247	6246	6248	6250	6251	6243
	SDG:	SW6	SW6	SW6	SW6	SW6	SW6	SW6
	MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER
	SAMPLED:	05/06/93	05/05/93	05/05/93	05/05/93	05/06/93	05/06/93	05/05/93
	RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93	05/06/93
	ANALYZED:	5/21-26/93	5/21-26/93	5/21-26/93	5/21-26/93	5/21-26/93	5/21-26/93	5/21-26/93
	% SOLIDS:	0	0	0	0	0	0	0
CAS NO	COMPOUND	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
7429-90-5	Aluminum – Total	7170	2280	7510	27100	10700	16600	100 U
7440-36-0	Antimony – Total	5.0 U	5.0 UW	5.0 U	5.0 U	5.0 UW	5.0 UW	5.0 U
7440-38-2	Arsenic – Total	15.0	4.0 U	4.0 B	11.0	7.0 B	7.0 B	4.0 U
7440-39-3	Barium – Total	113 B	78.3 B	133 B	237	100 B	162 B	40.0 U
7440-41-7	Beryllium – Total	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
7440-43-9	Cadmium – Total	0.50 BWN	0.90 BN	1.2 BN	1.3 BN	0.41 BSN	0.30 BWN	0.40 UWN
7440-70-2	Calcium – Total	118000 BN	94500 N	158000 BN	338000 BN	189000 BN	155000 BN	14200 BN
7440-47-3	Chromium – Total	13.7	10 U	10 U	38.9	23.9	19.7	10 U
7440-48-4	Cobalt – Total	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
7440-50-8	Copper – Total	10 U	10 U	11.6 B	12.1 B	26.1	10 U	10 U
7439-89-6	Iron – Total	10800	2680	10400	40200	19700	22800	50.0 U
7439-92-1	Lead – Total	7.0	3.0 UW	8.0	32.0	20.0	11.0	3.0 U
7439-95-4	Magnesium – Total	58800	44200	50400	126000	109000	62500	600 U
7439-96-5	Manganese – Total	444	121	775	1240	685	578	5.0 U
7439-97-6	Mercury – Total	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
7440-02-0	Nickel – Total	30.0 U	30.0 U	30.0 U	35.8 B	30.0 U	30.0 U	30.0 U
7440-09-7	Potassium – Total	5240	3110 B	12400	22300	5590	8070	300 U
7782-49-2	Selenium – Total	4.0 UW	4.0 UW	4.0 UW	4.0 UW	4.0 UW	4.0 UW	4.0 U
7440-22-4	Silver – Total	0.20 UN	0.20 UN	0.20 UN	0.30 BWN	0.20 UN	0.20 UN	0.20 UN
7440-23-5	Sodium – Total	10800	6370	110000	43300	3250 B	62800	999 B
7440-28-0	Thallium – Total	5.0 UW	5.0 UW	5.0 UW	5.0 UW	5.0 U	5.0 UW	5.0 U
7440-62-2	Vanadium – Total	20.0 U	20.0 U	20.0 U	51.1	22.9 B	28.2 B	20.0 U
7440-66-6	Zinc – Total	87.6	76.2	81.6	325	374	275	10 U
57-12-5	Cyanide – Total	10 U	10 U	10 U	10 U	10.5	10.1	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
VOLATILES ASP91-1
LEACHATE DATA

		FIELD SAMPLE ID:	LC001	LC002	LC003
		EPA SAMPLE ID:	LC001	LC002	LC003
		LAB SAMPLE ID:	AS035299	AS035300	AS035304
		SDG:	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER
		SAMPLED:	05/04/93	05/04/93	05/05/93
		RECEIVED:	05/06/93	05/06/93	05/06/93
		ANALYZED:	05/11/93	05/10/93	05/11/93
		DIL. FACTOR:	1	1	1
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L
74-87-3	Chloromethane		10 U	10 U	10 U
74-83-9	Bromomethane		10 U	10 U	10 U
75-01-4	Vinyl chloride		10 U	10 U	10 U
75-00-3	Chloroethane		10 U	10 U	10 U
75-09-2	Methylene chloride		5 BJ	31 B	5 BJ
67-64-1	Acetone		5 J	9 J	10
75-15-0	Carbon Disulfide		10 U	10 U	10 U
75-35-4	1,1-Dichloroethene		10 U	10 U	10 U
75-34-3	1,1-Dichloroethane		10 U	10 U	10 U
540-59-0	1,2-Dichloroethene (Total)		10 U	10 U	10 U
67-66-3	Chloroform		10 U	10 U	10 U
107-06-2	1,2-Dichloroethane		10 U	10 U	10 U
78-93-3	2-Butanone		10 U	7 BJ	10 U
71-55-6	1,1,1-Trichloroethane		10 U	10 U	10 U
56-23-5	Carbon Tetrachloride		10 U	10 U	10 U
75-27-4	Bromodichloromethane		10 U	10 U	10 U
78-87-5	1,2-Dichloropropane		10 U	10 U	10 U
10061-02-6	cis-1,3-Dichloropropene		10 U	10 U	10 U
79-01-6	Trichloroethene		10 U	10 U	10 U
124-48-1	Dibromochloromethane		10 U	10 U	10 U
79-00-5	1,1,2-Trichloroethane		10 U	10 U	10 U
71-43-2	Benzene		10 U	10 U	10 U
10061-01-5	trans-1,3-Dichloropropene		10 U	10 U	10 U
75-25-2	Bromoform		10 U	10 U	10 U
108-10-1	4-Methyl-2-pentanone		10 U	10 U	10 U
591-78-6	2-Hexanone		10 U	10 U	10 U
127-18-4	Tetrachloroethene		10 U	10 U	10 U
79-34-5	1,1,2,2-Tetrachloroethane		10 U	10 U	10 U
108-88-3	Toluene		10 U	10 U	10 U
108-90-7	Chlorobenzene		10 U	10 U	10 U
100-41-4	Ethyl benzene		10 U	10 U	10 U
100-42-5	Styrene		10 U	10 U	10 U
1330-20-7	Total Xylenes		10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
LEACHATE DATA

CAS NO	COMPOUND	FIELD SAMPLE ID:	LC001	LC002	LC003
		EPA SAMPLE ID:	LC001	LC002	LC003
		LAB SAMPLE ID:	AS035299	AS035300	AS035304
		SDG:	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER
		SAMPLED:	05/04/93	05/04/93	05/05/93
		RECEIVED:	05/06/93	05/06/93	05/06/93
		EXTRACTED:	05/11/93	05/11/93	05/11/93
		ANALYZED:	05/25/93	05/25/93	05/25/93
		DIL. FACTOR:	1	1	1
		UNITS:	UG/L	UG/L	UG/L
108-95-2	Phenol		10 U	10 U	10 U
111-44-4	Bis(2-chloroethyl) ether		10 U	10 U	10 U
95-57-8	2-Chlorophenol		10 U	10 U	10 U
541-73-1	1,3-Dichlorobenzene		10 U	10 U	10 U
106-46-7	1,4-Dichlorobenzene		2 J	10 U	10 U
95-50-1	1,2-Dichlorobenzene		10 U	10 U	10 U
95-48-7	2-Methylphenol		10 U	10 U	10 U
108-60-1	Bis(2-chloroisopropyl) ether		10 U	10 U	10 U
106-44-5	4-Methylphenol		10 U	10 U	10 U
621-64-7	N-Nitroso-Di-n-propylamine		10 U	10 U	10 U
67-72-1	Hexachloroethane		10 U	10 U	10 U
98-95-3	Nitrobenzene		10 U	10 U	10 U
78-59-1	Isophorone		10 U	10 U	10 U
88-75-5	2-Nitrophenol		10 U	10 U	10 U
105-67-9	2,4-Dimethylphenol		10 U	10 U	10 U
111-91-1	Bis(2-chloroethoxy) methane		10 U	10 U	10 U
120-83-2	2,4-Dichlorophenol		10 U	10 U	10 U
120-82-1	1,2,4-Trichlorobenzene		10 U	10 U	10 U
91-20-3	Naphthalene		10 U	10 U	10 U
106-47-8	4-Chloroaniline		10 U	10 U	10 U
87-68-3	Hexachlorobutadiene		10 U	10 U	10 U
59-50-7	4-Chloro-3-methylphenol		10 U	10 U	10 U
91-57-6	2-Methylnaphthalene		10 U	10 U	10 U
77-47-4	Hexachlorocyclopentadiene		10 U	10 U	10 U
88-06-2	2,4,6-Trichlorophenol		10 U	10 U	10 U
95-95-4	2,4,5-Trichlorophenol		25 U	25 U	25 U
91-58-7	2-Chloronaphthalene		10 U	10 U	10 U
88-74-4	2-Nitroaniline		25 U	25 U	25 U
131-11-3	Dimethyl phthalate		10 U	10 U	10 U
208-96-8	Acenaphthylene		10 U	10 U	10 U
606-20-2	2,6-Dinitrotoluene		10 U	10 U	10 U
99-09-2	3-Nitroaniline		25 U	25 U	25 U
83-32-9	Acenaphthene		10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
LEACHATE DATA

FIELD SAMPLE ID:	LC001	LC002	LC003
EPA SAMPLE ID:	LC001	LC002	LC003
LAB SAMPLE ID:	AS035299	AS035300	AS035304
SDG:	SW6	SW6	SW6
MATRIX:	WATER	WATER	WATER
SAMPLED:	05/04/93	05/04/93	05/05/93
RECEIVED:	05/06/93	05/06/93	05/06/93
EXTRACTED:	05/11/93	05/11/93	05/11/93
ANALYZED:	05/25/93	05/25/93	05/25/93
DIL. FACTOR:	1	1	1
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L
51-28-5	2,4-Dinitrophenol		25 U	25 U	25 U
100-02-7	4-Nitrophenol		25 U	25 U	25 U
132-64-9	Dibenzofuran		10 U	10 U	10 U
121-14-2	2,4-Dinitrotoluene		10 U	10 U	10 U
84-66-2	Diethyl phthalate		1 J	10 U	10 U
7005-72-3	4-Chlorodiphenylether		10 U	10 U	10 U
86-73-7	Fluorene		10 U	10 U	10 U
100-01-6	4-Nitroaniline		25 U	25 U	25 U
534-52-1	4,6-Dinitro-2-methylphenol		25 U	25 U	25 U
86-30-6	N-nitrosodiphenylamine		10 U	10 U	10 U
101-55-3	4-Bromophenyl phenyl ether		10 U	10 U	10 U
118-74-1	Hexachlorobenzene		10 U	10 U	10 U
87-86-5	Pentachlorophenol		25 U	25 U	25 U
85-01-8	Phenanthrene		10 U	10 U	10 U
120-12-7	Anthracene		10 U	10 U	10 U
86-74-8	Carbazole		10 U	10 U	10 U
84-74-2	Di-n-butyl phthalate		10 U	10 U	10 U
206-44-0	Fluoranthene		10 U	10 U	10 U
129-00-0	Pyrene		10 U	10 U	10 U
85-68-7	Butyl benzyl phthalate		10 U	10 U	10 U
91-94-1	3,3'-Dichlorobenzidine		10 U	10 U	10 U
56-55-3	Benzo(a)anthracene		10 U	10 U	10 U
218-01-9	Chrysene		10 U	10 U	10 U
117-81-7	Bis(2-ethylhexyl) phthalate		3 J	10 U	10 U
117-84-0	Di-n-octyl phthalate		10 U	10 U	10 U
205-99-2	Benzo(b)fluoranthene		10 U	10 U	10 U
207-08-9	Benzo(k)fluoranthene		10 U	10 U	10 U
50-32-8	Benzo(a)pyrene		10 U	10 U	10 U
193-39-5	Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U
53-70-3	Dibenzo(a,h)anthracene		10 U	10 U	10 U
191-24-2	Benzo(ghi)perylene		10 U	10 U	10 U

NYSDEC - PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
PESTICIDES/AROCLORS ASP91-3
LEACHATE DATA

	FIELD SAMPLE ID:	LC001	LC002	LC003
	EPA SAMPLE ID:	LC001	LC002	LC003
	LAB SAMPLE ID:	AS035299	AS035300	AS035304
	SDG:	SW6	SW6	SW6
	MATRIX:	WATER	WATER	WATER
	SAMPLED:	05/04/93	05/04/93	05/05/93
	RECEIVED:	05/06/93	05/06/93	05/06/93
	EXTRACTED:	05/10/93	05/10/93	05/10/93
	ANALYZED:	05/26/93	05/26/93	05/26/93
	DIL. FACTOR:	1	1	1
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L
319-84-6	alpha-BHC		0.050 U	0.050 U	0.050 U
319-85-7	beta-BHC		0.050 U	0.050 U	0.050 U
319-86-8	delta-BHC		0.050 U	0.050 U	0.050 U
58-89-9	gamma-BHC (Lindane)		0.050 U	0.050 U	0.050 U
76-44-8	Heptachlor		0.050 U	0.050 U	0.050 U
309-00-2	Aldrin		0.050 U	0.050 U	0.050 U
1024-57-3	Heptachlor epoxide		0.050 U	0.050 U	0.050 U
959-98-8	Endosulfan I		0.050 U	0.050 U	0.050 U
60-57-1	Dieldrin		0.10 U	0.10 U	0.10 U
72-55-9	4,4'-DDE		0.10 U	0.10 U	0.10 U
72-20-8	Endrin		0.10 U	0.10 U	0.10 U
33213-65-9	Endosulfan II		0.10 U	0.10 U	0.10 U
72-54-8	4,4'-DDD		0.10 U	0.10 U	0.10 U
1031-07-8	Endosulfan Sulfate		0.10 U	0.10 U	0.10 U
50-29-3	4,4'-DDT		0.10 U	0.10 U	0.10 U
72-43-5	Methoxychlor		0.50 U	0.50 U	0.50 U
53494-70-5	Endrin ketone		0.10 U	0.10 U	0.10 U
7421-93-4	Endrin aldehyde		0.10 U	0.10 U	0.10 U
5103-71-9	alpha-Chlordane		0.050 U	0.050 U	0.050 U
5103-74-2	gamma-Chlordane		0.050 U	0.050 U	0.050 U
8001-35-2	Toxaphene		5.0 U	5.0 U	5.0 U
12674-11-2	Aroclor 1016		1.0 U	1.0 U	1.0 U
11104-28-2	Aroclor 1221		2.0 U	2.0 U	2.0 U
11141-16-5	Aroclor 1232		1.0 U	1.0 U	1.0 U
53469-21-9	Aroclor 1242		1.0 U	1.0 U	1.0 U
12672-29-6	Aroclor 1248		1.0 U	1.0 U	1.0 U
11097-69-1	Aroclor 1254		1.0 U	1.0 U	1.0 U
11096-82-5	Aroclor 1260		1.0 U	1.0 U	1.0 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
TOTAL METALS
LEACHATE DATA

	FIELD SAMPLE ID:	LC001	LC002	LC003
	EPA SAMPLE ID:	LC001	LC002	LC003
	LAB SAMPLE ID:	6239	6240	6244
	SDG:	SW6	SW6	SW6
	MATRIX:	WATER	WATER	WATER
	SAMPLED:	05/04/93	05/04/93	05/05/93
	RECEIVED:	05/06/93	05/06/93	05/06/93
	ANALYZED:	5/21-26/93	5/21-26/93	5/21-26/93
	% SOLIDS:	0	0	0
CAS NO	COMPOUND	UG/L	UG/L	UG/L
7429-90-5	Aluminum – Total	263	100 U	1160
7440-36-0	Antimony – Total	6.0 BW	5.0 U	5.0 UW
7440-38-2	Arsenic – Total	4.0 U	4.0 U	4.0 U
7440-39-3	Barium – Total	336	89.4 B	319
7440-41-7	Beryllium – Total	5.0 U	5.0 U	5.0 U
7440-43-9	Cadmium – Total	0.20 UN	0.20 UN	0.40 BN
7440-70-2	Calcium – Total	70800 N	135000 BN	140000 BN
7440-47-3	Chromium – Total	10 U	10 U	10 U
7440-48-4	Cobalt – Total	20.0 U	20.0 U	20.0 U
7440-50-8	Copper – Total	10 U	10 U	19.4 B
7439-89-6	Iron – Total	26200	3190	165000
7439-92-1	Lead – Total	3.0 W	3.0 UW	8.0
7439-95-4	Magnesium – Total	30400	35200	34800
7439-96-5	Manganese – Total	250	1100	1050
7439-97-6	Mercury – Total	0.20 U	0.20 U	0.20 U
7440-02-0	Nickel – Total	30.0 U	30.0 U	30.0 U
7440-09-7	Potassium – Total	1720 B	7420	7900
7782-49-2	Selenium – Total	4.0 U	4.0 U	4.0 UW
7440-22-4	Silver – Total	0.20 UN	0.20 UN	0.20 BN
7440-23-5	Sodium – Total	98600	16200	14600
7440-28-0	Thallium – Total	5.0 U	5.0 UW	5.0 UW
7440-62-2	Vanadium – Total	20.0 U	20.0 U	20.0 U
7440-66-6	Zinc – Total	18.6 B	10.8 B	145
57-12-5	Cyanide – Total	10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
VOLATILES ASP91-1
SURFACE WATER DATA

		FIELD SAMPLE ID:	SW001	SW002	SW003	SW005	SW006	SW007	TB1
		EPA SAMPLE ID:	SW001	SW002	SW003	SW005	SW006	SW007	TRIPBLANK
		LAB SAMPLE ID:	AS035301	AS035305	AS035302	AS035297	AS035003	AS035298	AS035006
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93	05/04/93	04/30/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93	05/06/93	05/01/93
		ANALYZED:	05/11/93	05/11/93	05/11/93	05/13/93	05/06/93	05/11/93	05/06/93
		DIL. FACTOR:	1	1	1	1	1	1	1
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
74-87-3	Chloromethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
74-83-9	Bromomethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
75-01-4	Vinyl chloride		10 U	10 U	10 U	10 U	10 U	10 U	10 U
75-00-3	Chloroethane		10 U	10 U	10 U	5 J	10 U	10 U	10 U
75-09-2	Methylene chloride		6 BJ	13 B	6 BJ	3 BJ	10 U	13 B	3 BJ
67-64-1	Acetone		10 U	8 J	10 U	10 U	10 U	10 U	10 U
75-15-0	Carbon Disulfide		10 U	8 J	10 U	10 U	10 U	10 U	10 U
75-35-4	1,1-Dichloroethene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
75-34-3	1,1-Dichloroethane		10 U	10 U	10 U	3 J	10 U	4 J	10 U
540-59-0	1,2-Dichloroethene (Total)		10 U	10 U	10 U	10 U	10 U	10 U	10 U
67-66-3	Chloroform		10 U	10 U	10 U	10 U	10 U	10 U	10 U
107-06-2	1,2-Dichloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
78-93-3	2-Butanone		6 J	10 U	10 U	10 U	5 BJ	6 J	10 U
71-55-6	1,1,1-Trichloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
56-23-5	Carbon Tetrachloride		10 U	10 U	10 U	10 U	10 U	10 U	10 U
75-27-4	Bromodichloromethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
78-87-5	1,2-Dichloropropane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
10061-02-6	cis-1,3-Dichloropropene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
79-01-6	Trichloroethene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
124-48-1	Dibromochloromethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
79-00-5	1,1,2-Trichloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
71-43-2	Benzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
10061-01-5	trans-1,3-Dichloropropene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
75-25-2	Bromoform		10 U	10 U	10 U	10 U	10 U	10 U	10 U
108-10-1	4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U	10 U	10 U
591-78-6	2-Hexanone		10 U	10 U	10 U	10 U	10 U	10 U	10 U
127-18-4	Tetrachloroethene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
79-34-5	1,1,2,2-Tetrachloroethane		10 U	10 U	10 U	10 U	10 U	10 U	10 U
108-88-3	Toluene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
108-90-7	Chlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
100-41-4	Ethyl benzene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
100-42-5	Styrene		10 U	10 U	10 U	10 U	10 U	10 U	10 U
1330-20-7	Total Xylenes		10 U	10 U	10 U	10 U	10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
SURFACE WATER DATA

		FIELD SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
		EPA SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
		LAB SAMPLE ID:	AS035301	AS035305	AS035302	AS035297	AS035003	AS035298
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93	05/04/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93	05/06/93
		EXTRACTED:	05/11/93	05/11/93	05/11/93	05/11/93	05/06/93	05/11/93
		ANALYZED:	05/25/93	05/25/93	05/25/93	05/25/93	05/12/93	05/25/93
		DIL. FACTOR:	1	1	1	1	1	1
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
108-95-2	Phenol		10 U	10 U	10 U	10 U	10 U	10 U
111-44-4	Bis(2-chloroethyl) ether		10 U	10 U	10 U	10 U	10 U	10 U
95-57-8	2-Chlorophenol		10 U	10 U	10 U	10 U	10 U	10 U
541-73-1	1,3-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
106-46-7	1,4-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
95-50-1	1,2-Dichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
95-48-7	2-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U
108-60-1	Bis(2-chloroisopropyl) ether		10 U	10 U	10 U	10 U	10 U	10 U
106-44-5	4-Methylphenol		10 U	10 U	10 U	10 U	10 U	10 U
621-64-7	N-Nitroso-Di-n-propylamine		10 U	10 U	10 U	10 U	10 U	10 U
67-72-1	Hexachloroethane		10 U	10 U	10 U	10 U	10 U	10 U
98-95-3	Nitrobenzene		10 U	10 U	10 U	10 U	10 U	10 U
78-59-1	Isophorone		10 U	10 U	10 U	10 U	10 U	10 U
88-75-5	2-Nitrophenol		10 U	10 U	10 U	10 U	10 U	10 U
105-67-9	2,4-Dimethylphenol		10 U	10 U	10 U	10 U	10 U	10 U
111-91-1	Bis(2-chloroethoxy) methane		10 U	10 U	10 U	10 U	10 U	10 U
120-83-2	2,4-Dichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U
120-82-1	1,2,4-Trichlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
91-20-3	Naphthalene		10 U	10 U	10 U	10 U	10 U	10 U
106-47-8	4-Chloroaniline		10 U	10 U	10 U	10 U	10 U	10 U
87-68-3	Hexachlorobutadiene		10 U	10 U	10 U	10 U	10 U	10 U
59-50-7	4-Chloro-3-methylphenol		10 U	10 U	10 U	10 U	10 U	10 U
91-57-6	2-Methylnaphthalene		10 U	10 U	10 U	10 U	10 U	10 U
77-47-4	Hexachlorocyclopentadiene		10 U	10 U	10 U	10 U	10 U	10 U
88-06-2	2,4,6-Trichlorophenol		10 U	10 U	10 U	10 U	10 U	10 U
95-95-4	2,4,5-Trichlorophenol		25 U	25 U	25 U	25 U	25 U	25 U
91-58-7	2-Chloronaphthalene		10 U	10 U	10 U	10 U	10 U	10 U
88-74-4	2-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U
131-11-3	Dimethyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U
208-96-8	Acenaphthylene		10 U	10 U	10 U	10 U	10 U	10 U
606-20-2	2,6-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U
99-09-2	3-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U
83-32-9	Acenaphthene		10 U	10 U	10 U	10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
SEMIVOLATILES ASP91-2
SURFACE WATER DATA

		FIELD SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
		EPA SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
		LAB SAMPLE ID:	AS035301	AS035305	AS035302	AS035297	AS035003	AS035298
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93	05/04/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93	05/06/93
		EXTRACTED:	05/11/93	05/11/93	05/11/93	05/11/93	05/06/93	05/11/93
		ANALYZED:	05/25/93	05/25/93	05/25/93	05/25/93	05/12/93	05/25/93
		DIL. FACTOR:	1	1	1	1	1	1
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
51-28-5	2,4-Dinitrophenol		25 U	25 U	25 U	25 U	25 U	25 U
100-02-7	4-Nitrophenol		25 U	25 U	25 U	25 U	25 U	25 U
132-64-9	Dibenzofuran		10 U	10 U	10 U	10 U	10 U	10 U
121-14-2	2,4-Dinitrotoluene		10 U	10 U	10 U	10 U	10 U	10 U
84-66-2	Diethyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U
7005-72-3	4-Chlorodiphenylether		10 U	10 U	10 U	10 U	10 U	10 U
86-73-7	Fluorene		10 U	10 U	10 U	10 U	10 U	10 U
100-01-6	4-Nitroaniline		25 U	25 U	25 U	25 U	25 U	25 U
534-52-1	4,6-Dinitro-2-methylphenol		25 U	25 U	25 U	25 U	25 U	25 U
86-30-6	N-nitrosodiphenylamine		10 U	10 U	10 U	10 U	10 U	10 U
101-55-3	4-Bromophenyl phenyl ether		10 U	10 U	10 U	10 U	10 U	10 U
118-74-1	Hexachlorobenzene		10 U	10 U	10 U	10 U	10 U	10 U
87-86-5	Pentachlorophenol		25 U	25 U	25 U	25 U	25 U	25 U
85-01-8	Phenanthrene		10 U	10 U	10 U	10 U	10 U	10 U
120-12-7	Anthracene		10 U	10 U	10 U	10 U	10 U	10 U
86-74-8	Carbazole		10 U	10 U	10 U	10 U	10 U	10 U
84-74-2	Di-n-butyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U
206-44-0	Fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
129-00-0	Pyrene		10 U	10 U	10 U	10 U	10 U	10 U
85-68-7	Butyl benzyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U
91-94-1	3,3'-Dichlorobenzidine		10 U	10 U	10 U	10 U	10 U	10 U
56-55-3	Benzo(a)anthracene		10 U	10 U	10 U	10 U	10 U	10 U
218-01-9	Chrysene		10 U	10 U	10 U	10 U	10 U	10 U
117-81-7	Bis(2-ethylhexyl) phthalate		10 U	10 U	10 U	1 J	10 U	0.9 J
117-84-0	Di-n-octyl phthalate		10 U	10 U	10 U	10 U	10 U	10 U
205-99-2	Benzo(b)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
207-08-9	Benzo(k)fluoranthene		10 U	10 U	10 U	10 U	10 U	10 U
50-32-8	Benzo(a)pyrene		10 U	10 U	10 U	10 U	10 U	10 U
193-39-5	Indeno(1,2,3-cd)pyrene		10 U	10 U	10 U	10 U	10 U	10 U
53-70-3	Dibenzo(a,h)anthracene		10 U	10 U	10 U	10 U	10 U	10 U
191-24-2	Benzo(ghi)perylene		10 U	10 U	10 U	10 U	10 U	10 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
PESTICIDES/AROCLORS ASP91-3
SURFACE WATER DATA

	FIELD SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
	EPA SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
	LAB SAMPLE ID:	AS035301	AS035305	AS035302	AS035297	AS035003	AS035298
	SDG:	SW6	SW6	SW6	SW6	SW6	SW6
	MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER
	SAMPLED:	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93	05/04/93
	RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93	05/06/93
	EXTRACTED:	05/10/93	05/10/93	05/10/93	05/10/93	05/06/93	05/10/93
	ANALYZED:	05/26/93	05/26/93	05/26/93	05/26/93	05/13/93	05/26/93
	DIL. FACTOR:	1	1	1	1	1	1
CAS NO	COMPOUND	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
319-84-6	alpha-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
319-85-7	beta-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
319-86-8	delta-BHC	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
58-89-9	gamma-BHC (Lindane)	0 050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
76-44-8	Heptachlor	0.050 U	0.015 JP	0.0072 JP	0.050 U	0.050 U	0.050 U
309-00-2	Aldrin	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
1024-57-3	Heptachlor epoxide	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
959-98-8	Endosulfan I	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
60-57-1	Dieldrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-55-9	4,4'-DDE	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-20-8	Endrin	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
33213-65-9	Endosulfan II	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-54-8	4,4'-DDD	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
1031-07-8	Endosulfan Sulfate	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
50-29-3	4,4'-DDT	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
72-43-5	Methoxychlor	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U	0.50 U
53494-70-5	Endrin ketone	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
7421-93-4	Endrin aldehyde	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U
5103-71-9	alpha-Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
5103-74-2	gamma-Chlordane	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U	0.050 U
8001-35-2	Toxaphene	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
12674-11-2	Aroclor 1016	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11104-28-2	Aroclor 1221	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U	2.0 U
11141-16-5	Aroclor 1232	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
53469-21-9	Aroclor 1242	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
12672-29-6	Aroclor 1248	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11097-69-1	Aroclor 1254	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
11096-82-5	Aroclor 1260	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U

NYSDEC – PSA WORK ASSIGNMENTS
HENRIETTA SITE
Recra Environmental, Inc., Analytical Data
TOTAL METALS
SURFACE WATER DATA

		FIELD SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
		EPA SAMPLE ID:	SW001	SW002	SW003	SW005	SW6	SW007
		LAB SAMPLE ID:	6141	6245	6242	6235	6233	6238
		SDG:	SW6	SW6	SW6	SW6	SW6	SW6
		MATRIX:	WATER	WATER	WATER	WATER	WATER	WATER
		SAMPLED:	05/04/93	05/05/93	05/04/93	05/04/93	04/30/93	05/04/93
		RECEIVED:	05/06/93	05/06/93	05/06/93	05/06/93	05/01/93	05/06/93
		ANALYZED:	5/21–26/93	5/21–26/93	5/21–26/93	5/21–26/93	5/21–26/93	5/21–26/93
		% SOLIDS:	0	0	0	0	0	0
CAS NO	COMPOUND	UNITS:	UG/L	UG/L	UG/L	UG/L	UG/L	UG/L
7429–90–5	Aluminum – Total		554	186 B	173 B	100 U	371	100 U
7440–36–0	Antimony – Total		5.0 UW	5.0 UW	5.0 UW	5.0 BW	5.0 U	70.0 B
7440–38–2	Arsenic – Total		4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
7440–39–3	Barium – Total		46.8 B	66.2 B	72.0 B	111 B	70.4 B	112 B
7440–41–7	Beryllium – Total		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U	5.0 U
7440–43–9	Cadmium – Total		0.20 UN	0.20 UN	0.40 BWN	0.20 UN	0.20 UWN	0.20 UN
7440–70–2	Calcium – Total		110000 BN	112000 BN	93900 N	91000 BN	80500 N	110000 BN
7440–47–3	Chromium – Total		10 U	10 U	10 U	10 U	10 U	10 U
7440–48–4	Cobalt – Total		20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
7440–50–8	Copper – Total		19.7 B	10 U	10 U	10 U	10 U	10 U
7439–89–6	Iron – Total		1200	2040	922	3510	467	3480
7439–92–1	Lead – Total		3.0 U	3.0 U	3.0 U	3.0 U	3.0 U	4.0 W
7439–95–4	Magnesium – Total		30700	32600	31300	30000	31700	29800
7439–96–5	Manganese – Total		730	1020	110	408	93.9	406
7439–97–6	Mercury – Total		0.20 U	0.20 U	0.20 U	0.20 U	0.20 U	0.20 U
7440–02–0	Nickel – Total		30.0 U	30.0 U	30.0 U	30.0 U	30.0 U	30.0 U
7440–09–7	Potassium – Total		1940 B	4050 B	1950 B	5360	1490 B	5340
7782–49–2	Selenium – Total		4.0 U	4.0 U	4.0 U	4.0 U	4.0 U	4.0 U
7440–22–4	Silver – Total		0.20 UN	0.20 UN	0.20 UN	0.20 UN	0.20 UN	0.20 UN
7440–23–5	Sodium – Total		99700	95200	78300	82000	103000	81000
7440–28–0	Thallium – Total		5.0 U	5.0 U	5.0 UW	5.0 UW	5.0 U	5.0 U
7440–62–2	Vanadium – Total		20.0 U	20.0 U	20.0 U	20.0 U	20.0 U	20.0 U
7440–66–6	Zinc – Total		26.9	13.6 B	42.3	10.2 B	32.0	11.0 B
57–12–5	Cyanide – Total		10 U	10 U	10 U	10 U	10 U	10 U

APPENDIX D

SELECTED REFERENCES

ES, 1993B.

ES ENGINEERING-SCIENCE COMPANIES

MEMORANDUM TO FILE

JOB NO. SY 327.01

FILE DESIGNATION Henrietta - background

DATE 5/3/93, 5/4/93, 5/5/93, 5/10/93, 5/6/93 TIME 10:00 am, 8:00 am, 8:15 am, 8:30 a, 10:15 am

PHONE CALL FROM _____ PHONE NO. _____

PHONE CALL TO Town of Henrietta Hwy Dept PHONE NO. 359-7005
↳ Drainage Dept 359-7072

CONFERENCE WITH _____

PLACE _____

SUBJECT Secretary will have a foreman contact me later today. ⇒ Had to contact drainage department 359-7072 - Mr. Pietrone. His phone has been out of order, & finally got through to him on ~~May 6, 10:15 a.m.~~ May 10, 8:30am

They removed the top layer of silt from the ditch bottom. They excavations were performed in February, they noticed no leachate in the ditch, or drums near the RR Berm. He did hear something about this being a listed site with the DEC (his words). However, they did no "new" excavations, they only returned the ditch to its original state by removing the silt & cattails, etc. that had filled in over the years. I gave him Tom's name & number should he have any questions. There was snow on the ground at the time.

5/10/93

SIGNED Anne Zukowski