EPA WORK ASSIGNMENT NUMBER: 076–2JZZ
EPA CONTRACT NUMBER: 68–W8–0110
FOSTER WHEELER ENVIRONMENTAL CORPORATION

ARCS II PROGRAM

FINAL
SCREENING SITE INSPECTION (SSI)
ERDLE PERFORATING SITE
TOWN OF GATES
MONROE COUNTY, NEW YORK
CERCLIS NO: NYD982531865

DECEMBER 1995

VOLUME II OF IV

NOTICE

THE INFORMATION PROVIDED IN THIS DOCUMENT HAS BEEN FUNDED BY THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY (USEPA) UNDER ARCS II CONTRACT NO. 68-W8-0110 TO FOSTER WHEELER ENVIRONMENTAL CORPORATION (FORMERLY EBASCO SERVICES INCORPORATED). THIS DOCUMENT HAS BEEN FORMALLY RELEASED BY FOSTER WHEELER ENVIRONMENTAL CORPORATION TO THE USEPA. THIS DOCUMENT DOES NOT REPRESENT, HOWEVER, THE USEPA POSITION OR POLICY, AND HAS NOT BEEN FORMALLY RELEASED BY THE USEPA.

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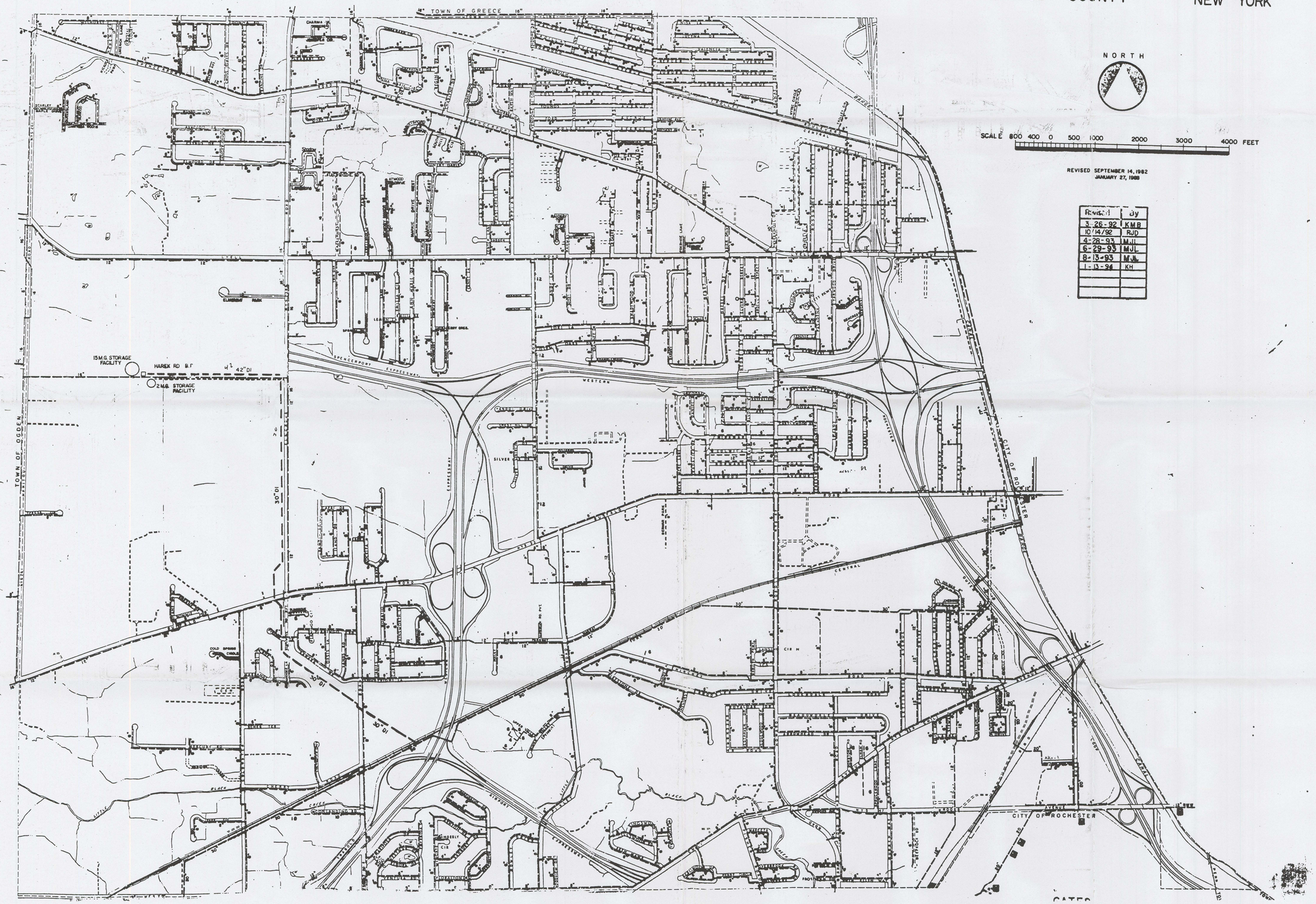
Appendix A
Monroe County Water Authority Map

TOWN OF GATES

MONROE COUNTY NEW YORK



REVISED SEPTEMBER 14, 1982
JANUARY 27, 1988

Revision	By
3-26-92	KMB
10/14/92	RJD
4-28-93	MJL
6-29-93	MJL
8-13-93	MJL
1-13-94	KH

Appendix B
Town of Gates Zoning Map

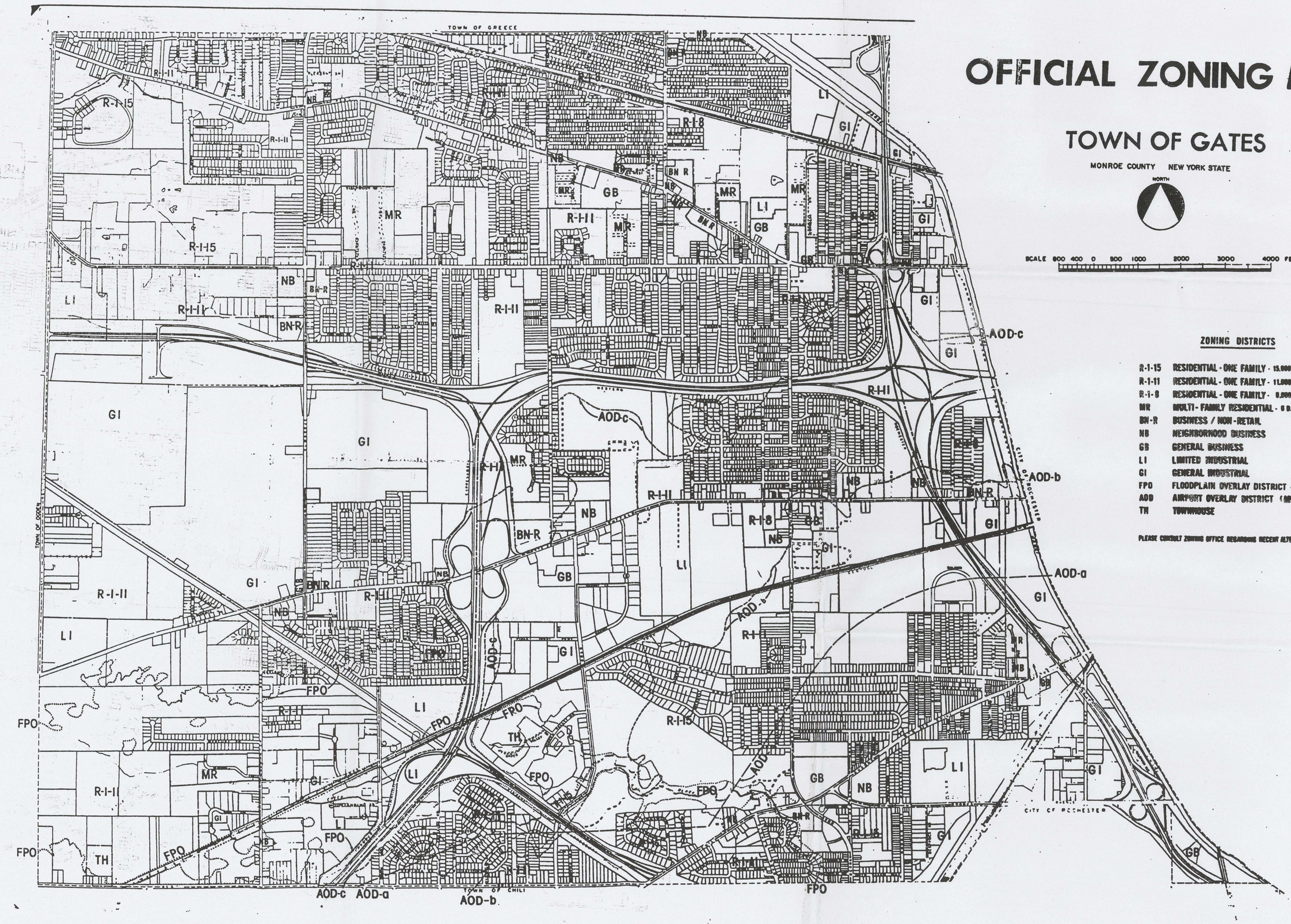
OFFICIAL ZONING MAP

TOWN OF GATES

MONROE COUNTY NEW YORK STATE

NORTH

SCALE 800 400 0 800 1000 2000 3000 4000 FEET



ZONING DISTRICTS

R-1-15	RESIDENTIAL - ONE FAMILY - 15,000 SQ FT MIN LOT AREA
R-1-11	RESIDENTIAL - ONE FAMILY - 11,000 SQ FT MIN LOT AREA
R-1-8	RESIDENTIAL - ONE FAMILY - 8,000 SQ FT MIN LOT AREA
MR	MULTI-FAMILY RESIDENTIAL - 8 D.U. PER ACRE MAX
BN-R	BUSINESS / NON-RETAIL
NB	NEIGHBORHOOD BUSINESS
GB	GENERAL BUSINESS
LI	LIMITED INDUSTRIAL
GI	GENERAL INDUSTRIAL
FPO	FLOODPLAIN OVERLAY DISTRICT .....
AOD	AIRPORT OVERLAY DISTRICT (AOD-a, AOD-b, AOD-c)
TH	TOWNHOUSE

PLEASE CONSULT ZONING OFFICE REGARDING RECENT ALTERATIONS TO THIS MAP

Appendix C
Monitoring Well Construction Logs

ERDLE PERFORATING WELL COORDINATES

Well #	Easting (Y)	Northing (X)
MW-1	731646.13	1144490.60
MW-1D	731642.73	1144493.25
MW D-1	731609.60	1144480.40
MW D-2	731661.79	1144456.19
MW-2	731690.22	1144439.11
MW-3	731643.35	1144432.14
MW-3D	731647.96	1144432.36
MW D-3	731634.36	1144500.18
MW-4	731576.85	1144484.06
MW-4D	731576.74	1144477.63
MW-5	731670.29	1144901.09
MW-5D	731675.09	1144899.09

RADIAN
CORPORATION

Monitoring Well #: MW-1

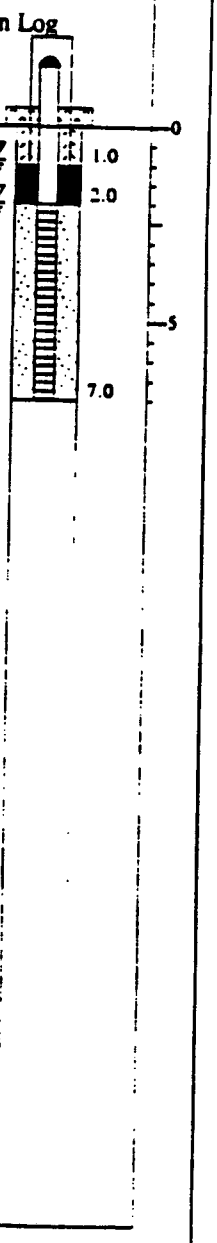
LOG OF DRILLING OPERATIONS

PROJECT: Phase I Remedial Investigation
LOCATION: Erdle Facility
TOTAL DEPTH: 7.00
START DATE: 12/8/94
FINISH DATE: 12/8/94
GEOLOGIST: E. Kaleny
APPROVED BY: N/A
R.G.#: N/A
DRILLING COMPANY: Nothnagle Drilling
DRILLER: S. Loranty
DRILLING METHOD: Hollow Stem Auger
EQUIPMENT:
DRILL BIT TYPE AND SIZE: 4-1/4" Augers, 3" Spoon
BORING LOCATION (ST. ADDRESS OR DESCRIPTION): By Former Underground Storage Tank

Depth Below Surface (ft)	Sample Interval	Blow Count	Recovery(Soil) Rec./RQD(Rock)	Hdsp. Screening (ppm)	Lithologic Description	Graphic Log	Elevation (ft MSL)
					Color, Texture, Moisture, etc.		
0			12	N/A	Topsoil, then brown fine silty sand. STRATIFIED GLACIAL DRIFT ANALYTICAL SAMPLE SF-1 FROM THIS SAMPLE		557.37
5			100	N/A	Brown fine sand (SM), trace to some silt, saturated. Reddish brown clayey silt (ML-CL) with fractures infilled with grey silt, moist. WEATHERED GLACIAL TILL ANALYTICAL SAMPLES SF-2, SF-2-MS, SF-2-MSD, & SF-2-FD FROM THIS SAMPLE		555

Bottom of borehole at 7.0 feet.

MW-1 Installation Log



NOTES

Drilling depth to water ≐ 2.00

Static - 1/22/95 ≐ 0.89

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

REPORT OF BORING MW-1D
PAGE 1 OF 1

CLIENT: Erdle Perforating
PROJECT LOCATION: Town of Gates, NY
FILE NO.: 4939.001

SAMPLER: 2" Split Spoon
HAMMER: 140 lbs
FALL: 30"

LOCATION: ~10 ft. South of former UST Area
START DATE: 12/15/92
END DATE: 12/15/92

BORING COMPANY: SJB Drilling
FOREMAN: Jim Lamm
OBG GEOLOGIST: John Mason

LEGEND: Grout; Sand Pack; Pellets; Screen; Riser

DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"N" VALUE	SAMPLE DESCRIPTION	EQUIPMENT INSTALLED	FIELD TESTING PID
0	1	0-2	8-9-12-14	2'/1.5'	21	Dry to damp, dark brown to black, fine SAND, some silt and very fine sand, trace clay and gravel, slight odor noted		100
1								
2	2	2-4	12-11-6-5	2'/1.5'	17	Damp to moist, medium brown, fine SAND, well sorted, changes to black, silty, very fine SAND, organic rich, trace wood		300
3								
4	3	4-6	1-4-2-4	2'/1.5'	6	Moist to wet, black, very fine SAND, some silt, changes to wet, dark brown, fine SAND, changes to damp, red brown, clayey SILT, some very fine sand, little fine gravel (Till?)		250
5								
6	4	6-8	9-11-13-13	2'/2'	24	6-6.5 FT. Wet, dark brown, fine SAND 6.5-8 ft. Damp, red brown, clayey SILT		260
7								
8	5	8-10	3-6-10-12	2'/1.5'	16	Damp, same as 6.5-8 ft., changes to light gray (same as 6.5-8 ft.) at bottom, odor noted		160
9								
10	6	10-12	1-3-5-5	2'/1.5'	8	Damp, same as 6.5-8 ft., changes to moist to wet, light gray SILT to medium SAND, some fine gravel, odor noted (Till)		160
11								
12	7	12-14	5-5-3-5	2'/2'	8	12-13 ft. Same as 6.5-8 ft. 13-14 ft. Wet, light gray SILT to medium SAND, some fine gravel and clay, odor noted (Till)		200
13								
14	8	14-16	50/0.3'	0.3'/0.3'	50	Same as above, changes to rock		200
		Coring 14.7 ft. on						
15		Run 1 14.7-19.2 ft. Rec 4.3 ft. RQD 48/54				Dark gray, micritic LIMESTONE, trace coral and shells 2 places with ~4" each of light gray dolomite, vuggy, fluorite crystals in vugs, few stylolites		
16								
17								
18								
19		Run 2 19.2-24.2 ft. Rec 4.9 ft. RQD 58/60				Dark gray, micritic LIMESTONE, trace dolomite		
20								
21								
22								
23								
24						Bottom of boring 24.2 ft.		

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

REPORT OF BORING MW-2
PAGE 1 OF 1

CLIENT: Erdle Perforating
PROJECT LOCATION: Town of Gates, NY
FILE NO.: 4939.001

SAMPLER: 2" Split Spoon
HAMMER: 140 lbs
FALL: 30"

LOCATION: SE of former UST Area
START DATE: 12/15/92
END DATE: 12/15/92

BORING COMPANY: SJB Drilling
FOREMAN: Jim Lamm
OBG GEOLOGIST: John Mason

LEGEND: Grout, Sand Pack, Pellets, Screen, Riser

DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"N" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIPT	EQUIPMENT INSTALLED	FIELD TESTING PID
0	1	0-2	1-1-3-2	2'/1'	4	Damp to moist, red brown, clayey SILT, changes to moist, black, very fine SAND, some silt, little organics			0
1									
2	2	2-4	3-2-4-4	2'/1'	6	Moist, green to red brown, clayey SILT, some to little fine sand			1
3									
4	3	4-6	5-6-12-14	2'/1'	18	Wet, medium gray, fine to medium SAND, changes to damp to moist, red brown, clayey SILT, trace fine gravel			12
5									
6	4	6-8	16-21-26-20	2'/2'	47	Wet, red brown, clayey SILT, trace fine medium gravel			300
7									
8									
9						Bottom of boring 8.5 ft.			
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

O'BRIEN & GERE ENGINEERS, INC.

TEST BORING LOG

REPORT OF BORING MW-3
PAGE 1 OF 1

CLIENT: Erdle Perforating
PROJECT LOCATION: Town of Gates, NY
FILE NO.: 4939.001

SAMPLER: 2" Split Spoon
HAMMER: 140 lbs
FALL: 30"

LOCATION: South of MW-1D
START DATE: 12/16/92
END DATE: 12/16/92

BORING COMPANY: SJB Drilling
FOREMAN: Jim Lamm
OBG GEOLOGIST: John Mason

LEGEND: Grout, Sand Pack, Pellets, Screen, Riser

DEPTH BELOW GRADE	NO.	DEPTH (FEET)	BLOWS /6"	PENETR/ RECOVERY	"N" VALUE	SAMPLE DESCRIPTION	STRATUM CHANGE GENERAL DESCRIPT	EQUIPMENT INSTALLED	FIELD TESTING PID
0	1	0-2	1-2-5-5	2'/0.2'	7	Moist to wet, dark brown to black, very fine SAND and SILT, some wood			6
1									
2	2	2-4	3-3-5-6	2'/1'	8	Wet, gray to olive gray, fine SAND, little very fine sand, strong odor			280
3									
4	3	4-6	10-5-10-14	2'/1'	15	Wet, red brown, clayey SILT, little fine gravel, strong odor			300
5									
6	4	6-8	21-28-34-34	2'/2'	62	Same as above			250
7									
8						Bottom of boring 8 ft.			
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

RADIAN CORPORATION

Monitoring Well #: MW-3D

LOG OF DRILLING OPERATIONS

Page 1 of 1

PROJECT: Phase I Remedial Investigation
LOCATION: Erdle Facility
TOTAL DEPTH: 20.30
START DATE: 12/7/94
FINISH DATE: 12/10/94
GEOLOGIST: E. Kaleny
APPROVED BY: N/A
R.G.#: N/A
DRILLING COMPANY: Nothnagle Drilling
DRILLER: S. Loranty
DRILLING METHOD: HSA/Wet-Rotary Core
EQUIPMENT:
DRILL BIT TYPE AND SIZE: 6-1/4" Augers/HX Core
BORING LOCATION (ST. ADDRESS OR DESCRIPTION): Downgradient - South

Depth Below Surface (ft)	Sample Interval	Blow Count	Recovery(Soil) Rec./RQD(Rock)	Hdsp. Screening (ppm)	Lithologic Description (Color, Texture, Moisture, etc.)	Graphic Log	Elevation (ft MSL)	MW-3D Installation Log
0				20	Dark brown clayey silt with sand grading to brown fine sand (SM), saturated. STRATIFIED GLACIAL DRIFT.		555.78	Casing elevation = 557.96
				> 1000	Black peat and dark brown silty sand (SM), saturated, grading to brown fine sand.		555	
5				> 1000	Reddish brown to brownish red clayey silt (ML), with vertical fractures infilled with grey clayey silt to silty clay, moist, slight odor. WEATHERED GLACIAL TILL.		550	
				> 1000				
				> 1000				
					Same as above, without vertical fractures.			
10				> 1000	Reddish brown to brownish red clayey silt (ML-CL), plastic, moist. UNWEATHERED GLACIAL TILL.		545	6" steel conductor casing, grouted in place.
				> 1000				
			100 95		Grey sandy silt at bedrock contact. Augered to 13.3 to make socket for conductor casing.			13.2
15					Grey, massive medium calcarenite, hard, unweathered.			Open corehole
					Grey massive medium calcarenite, with extensive calcite-filled and open vugs formed in light grey coarse crystalline limestone, (reef structures?), hard, unweathered		540	Lost 40 gallons water
			100 100					Lost 260 gallons water
20					Bottom of borehole at 20.3 feet.			20.3

NOTES

Drilling depth to water 2.50

Static - 1/22/95 -0.04

RADIAN
CORPORATION

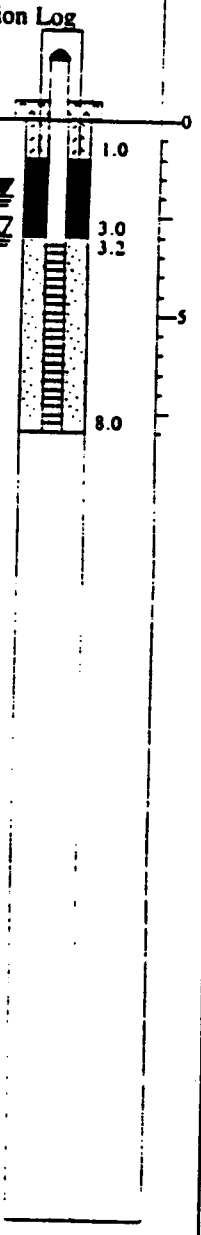
Monitoring Well #: MW-4R

LOG OF DRILLING OPERATIONS

PROJECT Phase I Remedial Investigation LOCATION Erdle Facility
TOTAL DEPTH 8.00 START DATE 12/8/94 FINISH DATE 12/8/94
GEOLOGIST E. Kaleny APPROVED BY N/A R.G.# N/A
DRILLING COMPANY Nothnagle Drilling DRILLER S. Loranty
DRILLING METHOD Hollow Stem Auger EQUIPMENT
DRILL BIT TYPE AND SIZE 6-1/4" Augers
BORING LOCATION (ST. ADDRESS OR DESCRIPTION) Downgradient - Southwest

Depth Below Surface (ft)	Sample Interval	Blow Count	Recovery(Soil) Rec./RQD(Rock)	Hdsp Screening (ppm)	Lithologic Description (Color, Texture, Moisture, etc.)	Graphic Log	Elevation (ft MSL)
0			25	0	TRANSCRIBED FROM O'BRIEN AND GERE (1992) LOG Moist to wet, reddish brown to olive green, clayey SILT, trace fine to medium sand.		556.40
			5	0	Moist to wet, olive green, clayey SILT		555
					Wet, fine to medium SAND.		
5			75	6	Wet, reddish brown, clayey SILT, thin lens of fine to medium sand.		
			100	20	Moist, reddish brown, clayey SILT, little fine gravel.		550
					Bottom of borehole at 8.0 feet.		

MW-4R Installation Log



NOTES

Drilling depth to water ▽ 3.00
Static - 1/22/95 ▼ 2.00

RADIAN CORPORATION

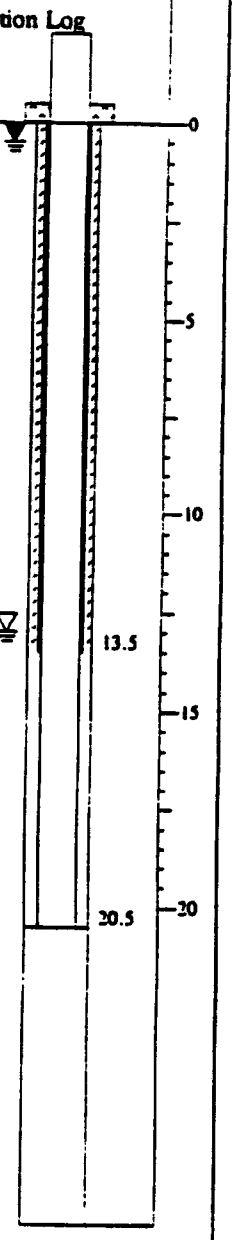
Monitoring Well #: MW-4D

LOG OF DRILLING OPERATIONS

PROJECT: Phase I Remedial Investigation — LOCATION: Erdle Facility
TOTAL DEPTH: 20.50 — START DATE: 12/6/94 — FINISH DATE: 12/9/94
GEOLOGIST: E. Kaleny — APPROVED BY: N/A — R.G.#: N/A
DRILLING COMPANY: Nothnagle Drilling — DRILLER: S. Loranty
DRILLING METHOD: HSA/Wet-Rotary Core — EQUIPMENT:
DRILL BIT TYPE AND SIZE: 6-1/4" Augers/HX Core
BORING LOCATION (ST. ADDRESS OR DESCRIPTION): Downgradient - Southwest

Depth Below Surface (ft)	Sample Interval	Blow Count	Recovery(Soil) Rec./RQD(Rock)	Hdsp.Screening (ppm)	Lithologic Description (Color, Texture, Moisture, etc.)	Elevation (ft MSL)
0				0	Dark brown clayey silt with sand grading to brown clayey silt to silty clay (ML-CL), saturated. STRATIFIED GLACIAL DRIFT.	556.51
				1.8		555
				18		
5				58	Brownish red clayey silt to silty clay with gravel, wet. UNWEATHERED GLACIAL TILL.	550
				90		
10				6	Moist	
				12	Grey sandy, clayey silt (ML), very soft with gravel, moist to wet. UNWEATHERED GLACIAL TILL.	545
			95 95		Becomes saturated at bedrock contact. Augered to 13.3 to make socket for conductor casing.	
15					Grey, massive medium calcarenite, hard, unweathered.	
					Grey massive medium calcarenite, with extensive calcite-filled and open vugs formed in light grey coarse crystalline limestone, (reef structures?), hard, unweathered	540
			100 100			
20					Bottom of borehole at 20.3 feet.	

MW-4D Installation Log



NOTES

Drilling depth to water ▽ 13.00

Static - 1/22/95 ▼ 0.48

RADIAN CORPORATION

Monitoring Well #: MW-5

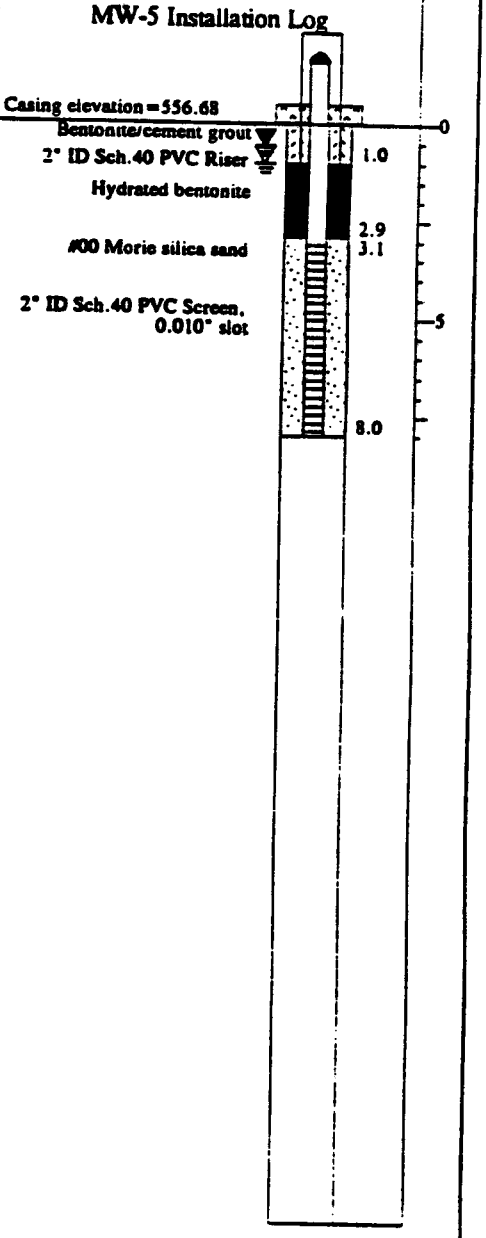
LOG OF DRILLING OPERATIONS

PROJECT: Phase I Remedial Investigation
LOCATION: Erdle Facility
TOTAL DEPTH: 8.00
START DATE: 12/8/94
FINISH DATE: 12/8/94
GEOLOGIST: E. Kaleny
APPROVED BY: N/A
R.G.#: N/A
DRILLING COMPANY: Nothnagle Drilling
DRILLER: S. Loranty
DRILLING METHOD: Hollow Stem Auger
EQUIPMENT:
DRILL BIT TYPE AND SIZE: 6-1/4" Augers
BORING LOCATION (ST. ADDRESS OR DESCRIPTION): Upgradient - Background

Depth Below Surface (ft)	Sample Interval	Blow Count	Recovery(Soil) Rec./RQD(Rock)	Hdsp. Screening (ppm)	Lithologic Description (Color, Texture, Moisture, etc.)	Graphic Log	Elevation (ft MSL)
0		1 3 2 7		10	Dark brown clayey silt (ML) with sand grading to brown fine sand (SM), saturated. STRATIFIED GLACIAL DRIFT. ANALYTICAL SAMPLE SF-5 FROM THIS SAMPLE		556.18
					Grey fine sand (SP), saturated.		555
					Reddish brown to red clayey silt (ML) with rootlets, moist.		
5		3 6 8 13		0	Reddish brown to brownish red clayey silt (ML), with vertical fractures infilled with grey clayey silt to silty clay, moist. WEATHERED GLACIAL TILL. ANALYTICAL SAMPLE SF-4 FROM THIS SAMPLE		550
					Red clayey silt, massive (unfractured), slightly plastic, moist. UNWEATHERED GLACIAL TILL.		

Bottom of borehole at 8.0 feet.

MW-5 Installation Log



NOTES

Drilling depth to water 1.00

Static - 1/22/95 0.59

RADIAN CORPORATION

Monitoring Well #: MW-5D

LOG OF DRILLING OPERATIONS

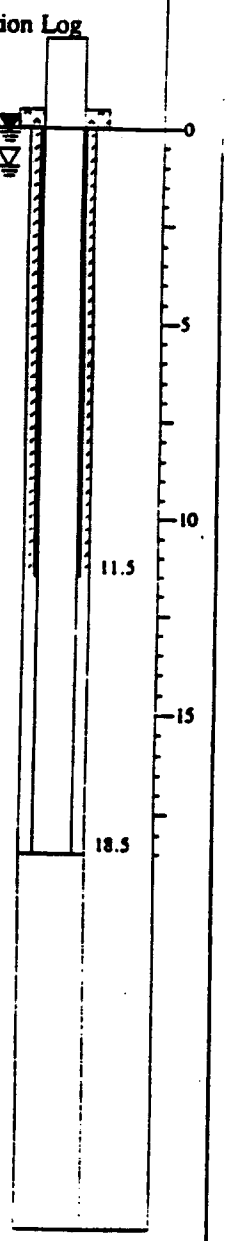
Page 1 of 1

PROJECT Phase I Remedial Investigation LOCATION Erdle Facility
TOTAL DEPTH 18.50 START DATE 12/6/94 FINISH DATE 12/9/94
GEOLOGIST E. Kaleny APPROVED BY N/A R.G.# N/A
DRILLING COMPANY Nothnagle Drilling DRILLER S. Loranty
DRILLING METHOD HSA/Wet-Rotary Core EQUIPMENT
DRILL BIT TYPE AND SIZE 6-1/4" Augers/HX Core
BORING LOCATION (ST. ADDRESS OR DESCRIPTION) Upgradient - Background

Depth Below Surface (ft)	Sample Interval	Blow Count	Recovery(Soil) Rec./RQD(Rock)	Hdsp. Screening (ppm)	Lithologic Description (Color, Texture, Moisture, etc.)	Elevation (ft MSL)
0		2 4 7 6		0.2	Dark brown clayey silt (ML) with sand grading to brown fine sand (SM), saturated. STRATIFIED GLACIAL DRIFT.	556.18
		3 4 5 9		1.8	Grey fine sand (SP), saturated.	555
5		5 7 9 11		0	Reddish brown to red clayey silt (ML) with rootlets, moist. Reddish brown to brownish red clayey silt (ML), with vertical fractures infilled with grey clayey silt to silty clay, moist. WEATHERED GLACIAL TILL.	
		4 7 9 11		0.6	Red clayey silt, massive (unfractured), slightly plastic, moist. UNWEATHERED GLACIAL TILL.	550
		5 4 12 6		5.0		
10		8 14 18 12		2.2	Weathered bedrock, wet.	
			100 95		Grey massive medium calcarenite, with extensive calcite-filled and open vugs formed in light grey coarse crystalline limestone, (reef structures?), hard, unweathered.	545
15			100 95			540
					Bottom of borehole at 20.3 feet.	

Graphic Log

MW-5D Installation Log



NOTES

Drilling depth to water ▽ 1.00

Static - 1/22/95 ▼ 0.10

RADIAN CORPORATION

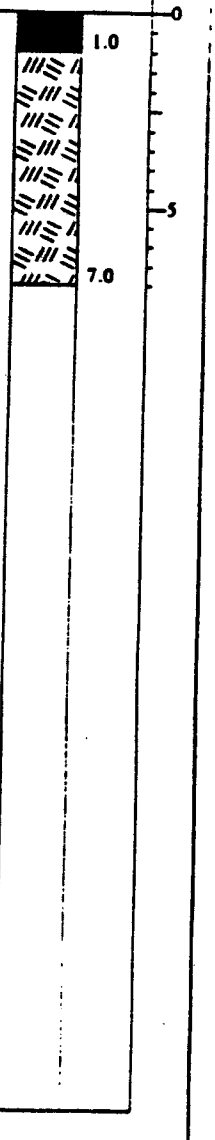
Borehole #: SF-3

LOG OF DRILLING OPERATIONS

Page 1 of 1

PROJECT Phase I Remedial Investigation LOCATION Erdle Facility
TOTAL DEPTH 7.00 START DATE 12/8/94 FINISH DATE 12/8/94
GEOLOGIST E. Kaleny APPROVED BY R.G.#
DRILLING COMPANY Nothnagle Drilling DRILLER S. Loranty
DRILLING METHOD Hollow Stem Auger EQUIPMENT
DRILL BIT TYPE AND SIZE 6-1/4" Augers
BORING LOCATION (ST. ADDRESS OR DESCRIPTION) Fresh oil tank boring

Depth Below Surface (ft)	Sample Interval	Blow Count	Recovery(Soil) Rec./RQD(Rock)	Hdsp Screening (ppm)	Lithologic Description	Graphic Log	Elevation (ft MSL)	SF-3 Borehole Abandonment Log
0					Color, Texture, Moisture, etc.		659.66	Casing elevation = N/A
					Clayey silt to silty clay, moist.			Hydrated bentonite
5		27 13 12 16		6	ANALYTICAL SAMPLE SF-3 COLLECTED FROM THIS SAMPLE		655	Borehole backfilled with drill cuttings
					Bottom of borehole at 7.0 feet.			



NOTES

Not noted during drilling

No monitoring well installed

Appendix E
Hydraulic Conductivity Results

Summary of Hydraulic Conductivity Testing Results

[illegible]	[illegible]	Hydraulic Conductivity (cm/min)	[illegible] Conductivity (cm/min)	Saturated Thickness (ft)	Hydraulic Conductivity (cm/sec)
MW-1	Overburden	9.62E-05	#N/A	5.2	4.89E-05
MW-1D	Bedrock	#N/A	1.40E-02	9.5	7.49E-04
MW-2	Overburden	2.79E-04	#N/A	5.4	1.42E-04
MW-3	Overburden	1.48E-05	#N/A	4.4	7.50E-06
MW-3D	Bedrock	#N/A	5.51E+00	7.1	3.94E-01
MW-4	Overburden	4.19E-07	#N/A	4.9	2.13E-07
MW-4D	Bedrock	#N/A	1.63E+00	7	1.18E-01
MW-5	Overburden	8.06E-07	#N/A	7.6	4.09E-07
MW-5D	Bedrock	#N/A	2.16E+00	7	1.57E-01
Overburden Average					3.98E-05
Bedrock Average					1.68E-01

A Q T E S O L V

A Program for

Automatic Estimation of Aquifer Coefficients

From Aquifer Test Data

By:

Glenn M. Duffield
and
James O. Rumbaugh, III

Geraghty & Miller Modeling Group
1895 Preston White Drive, Suite 301
Reston, VA 22091

(703) 476 - 0335

A Q T E S O L V is a user-friendly program designed to analyze data from aquifer tests automatically. Aquifer coefficients for a variety of aquifer test conditions can be estimated by A Q T E S O L V , including the following:

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A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95 15:24:0

==

TEST DESCRIPTION

Data set........... aqt1.dat
Data set title..... mw1

Knowns and Constants:
No. of data points.................. 80
Radius of well casing............... 0.08
Radius of well...................... 0.08
Aquifer saturated thickness......... 5.18
Well screen length.................. 5
Static height of water in well...... 5.18
Log(Re/Rw).......................... 3.195
A, B, C............................. 0.000, 0.000, 3.077

==

ANALYTICAL METHOD

-~uwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	1.0335E-004	+/-	3.7168E-006
y0 =	5.6487E-001	+/-	1.4540E-002

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals................ 80
Number of estimated parameters.... 2
Degrees of freedom................ 78
Residual mean..................... 0.01006
Residual standard deviation....... 0.03051
Residual variance................. 0.0009307

Model Residuals:

Time	Observed	Calculated	Residual	Weight

0.00069444	1.3	1.2636	0.036439	1
0.0013889	1.28	1.2633	0.016725	1
0.0020833	1.27	1.263	0.0070122	1
0.0027778	1.26	1.2627	-0.002701	1
0.0034722	1.26	1.2624	-0.0024144	1
0.0041667	1.26	1.2621	-0.0021278	1
0.0048611	1.25	1.2618	-0.011841	1
0.0055556	1.26	1.2616	-0.0015548	1
0.00625	1.26	1.2613	-0.0012684	1
0.0069444	1.26	1.261	-0.00098208	1
0.0076389	1.26	1.2607	-0.00069582	1
0.0083333	1.26	1.2604	-0.00040962	1
0.0090278	1.26	1.2601	-0.00012348	1
0.0097222	1.26	1.2598	0.00016259	1
0.010417	1.26	1.2596	0.00044861	1
0.020833	1.25	1.2553	-0.0052691	1
0.03125	1.25	1.251	-0.0010014	1
0.041667	1.25	1.2467	0.0032519	1
0.052083	1.24	1.2425	-0.0025094	1
0.0625	1.24	1.2383	0.001715	1
0.072917	1.23	1.2341	-0.004075	1
0.083333	1.22	1.2299	-0.0098793	1
0.125	1.19	1.2132	-0.023239	1
0.16667	1.19	1.1968	-0.0068232	1
0.20833	1.17	1.1806	-0.01063	1
0.25	1.16	1.1647	-0.0046557	1
0.29167	1.15	1.1489	0.0011025	1
0.33333	1.14	1.1334	0.0066471	1
0.5	1.07	1.0732	-0.0032482	1
0.66667	1.02	1.0163	0.0036689	1
0.83333	0.99	0.96243	0.027567	1
1.25	0.84	0.83986	0.00013782	1
1.875	0.69	0.68464	0.0053564	1
2.3333	0.58	0.58937	-0.0093679	1
2.875	0.49	0.49371	-0.0037135	1
3.25	0.43	0.43675	-0.006746	1
5.875	0.19	0.18514	0.0048574	1

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	6.0269E-004
y0 =	1.2638E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

1	0.67	0.53703	0.13297	1
2	0.58	0.51057	0.069435	1
3	0.52	0.4854	0.034598	1
4	0.47	0.46148	0.0085208	1
5	0.43	0.43874	-0.0087354	1
6	0.4	0.41711	-0.017112	1
7	0.37	0.39656	-0.026555	1
8	0.35	0.37701	-0.027011	1
9	0.32	0.35843	-0.03843	1
10	0.3	0.34077	-0.040765	1
11	0.28	0.32397	-0.043971	1
12	0.27	0.308	-0.038004	1
13	0.26	0.29282	-0.032824	1
14	0.24	0.27839	-0.038392	1
15	0.23	0.26467	-0.034672	1
16	0.22	0.25163	-0.031628	1
17	0.2	0.23923	-0.039226	1
18	0.2	0.22744	-0.027436	1
19	0.19	0.21623	-0.026227	1
20	0.18	0.20557	-0.02557	1
21	0.17	0.19544	-0.025439	1
22	0.17	0.18581	-0.015807	1
23	0.16	0.17665	-0.016649	1
24	0.16	0.16794	-0.0079434	1
25	0.15	0.15967	-0.0096663	1
26	0.14	0.1518	-0.011797	1
27	0.14	0.14432	-0.004316	1
28	0.14	0.1372	0.0027966	1
29	0.13	0.13044	-0.00044143	1
30	0.13	0.12401	0.0059873	1
31	0.12	0.1179	0.0020992	1
32	0.11	0.11209	-0.0020901	1
33	0.11	0.10657	0.0034342	1
34	0.1	0.10131	-0.0013137	1
35	0.1	0.096321	0.0036795	1
36	0.1	0.091573	0.0084266	1
37	0.1	0.08706	0.01294	1
38	0.09	0.08277	0.0072305	1
39	0.09	0.07869	0.01131	1
40	0.09	0.074812	0.015188	1
41	0.09	0.071125	0.018875	1
42	0.09	0.06762	0.02238	1
43	0.08	0.064287	0.015713	1
44	0.08	0.061119	0.018881	1
45	0.08	0.058106	0.021894	1
46	0.08	0.055243	0.024757	1
47	0.07	0.05252	0.01748	1
48	0.07	0.049932	0.020068	1
49	0.07	0.047471	0.022529	1
50	0.07	0.045131	0.024869	1
51	0.07	0.042907	0.027093	1
52	0.07	0.040792	0.029208	1
53	0.07	0.038782	0.031218	1
54	0.07	0.03687	0.03313	1
55	0.07	0.035053	0.034947	1
56	0.06	0.033326	0.026674	1
57	0.06	0.031683	0.028317	1
58	0.06	0.030122	0.029878	1
59	0.06	0.028637	0.031363	1

60	0.06	0.027226	0.032774	
61	0.05	0.025884	0.024116	1
62	0.05	0.024608	0.025392	1
63	0.05	0.023396	0.026604	1
64	0.05	0.022243	0.027757	1
65	0.05	0.021146	0.028854	1
66	0.05	0.020104	0.029896	1
67	0.05	0.019113	0.030887	1
68	0.05	0.018171	0.031829	1
69	0.05	0.017276	0.032724	1
70	0.04	0.016424	0.023576	1
71	0.05	0.015615	0.034385	1
72	0.04	0.014845	0.025155	1
73	0.04	0.014114	0.025886	1
74	0.04	0.013418	0.026582	1
75	0.04	0.012757	0.027243	1
76	0.04	0.012128	0.027872	1
77	0.04	0.01153	0.02847	1
78	0.04	0.010962	0.029038	1
79	0.04	0.010422	0.029578	1
80	0.04	0.0099082	0.030092	1

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	9.6233E-005
y0 =	4.8276E-001

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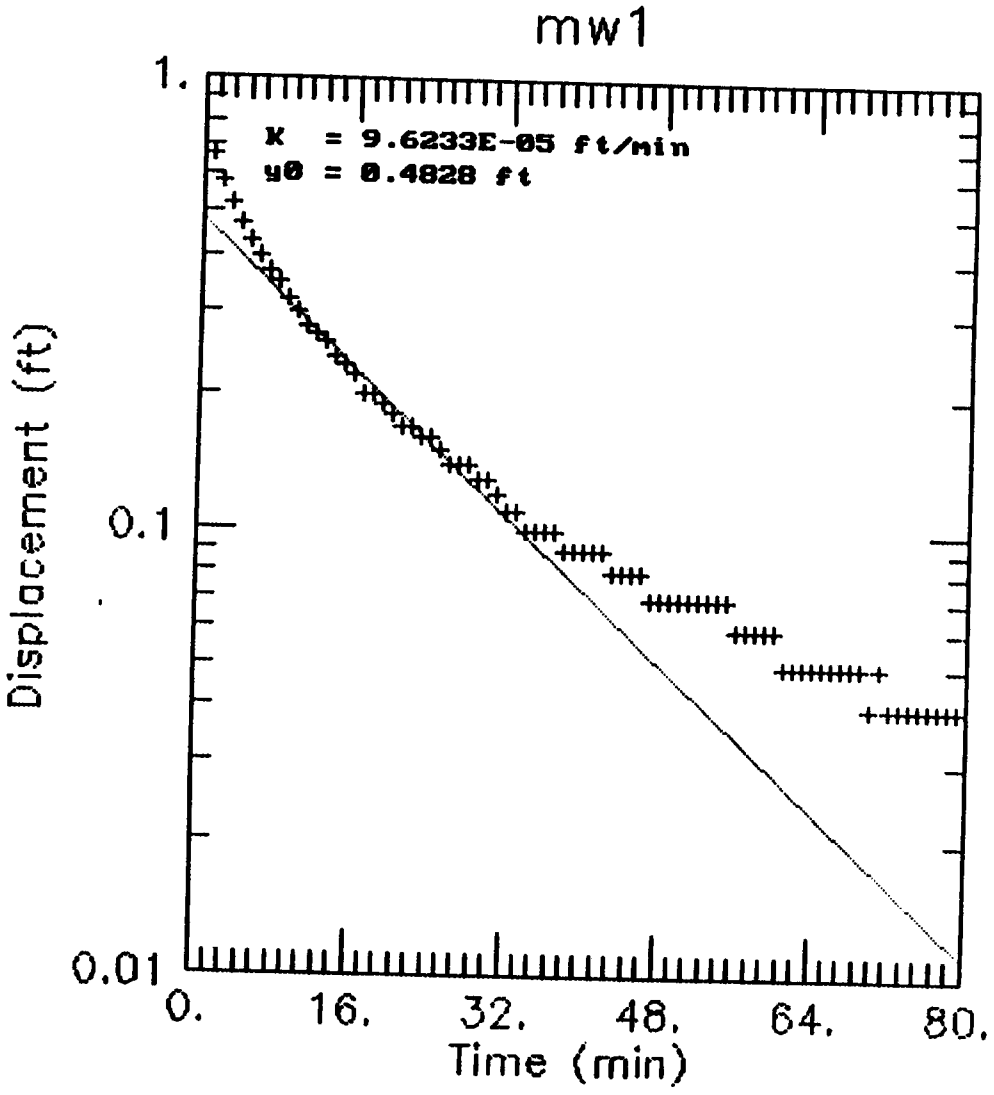

AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

REFERENCE # 17
PAGE 136 OF 584

A Q T E S O L V

A Program for

Automatic Estimation of Aquifer Coefficients

From Aquifer Test Data

By:

Glenn M. Duffield
and
James O. Rumbaugh, III

Geraghty & Miller Modeling Group
1895 Preston White Drive, Suite 301
Reston, VA 22091

(703) 476 - 0335

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A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95

15:42:16

==

TEST DESCRIPTION

Data set........... c:\aqtesolv\erdle\aqt1d.dat
Data set title..... mw1d

Knowns and Constants:
No. of data points.................. 28
Pumping rate........................ 1
Radius (distance) to obs. well...... 0.25

==

ANALYTICAL METHOD

Cooper et al. (Confined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

		Estimate		Std. Error
T	=	1.3679E-002	+/-	9.1344E-004
S	=	1.0625E-001	+/-	2.5277E-002

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals.............. 28
Number of estimated parameters.... 2
Degrees of freedom............... 26
Residual mean.................... -0.0004238
Residual standard deviation....... 0.01586
Residual variance................ 0.0002516

Model Residuals:

Time	Observed	Calculated	Residual	Weight
2	0.59	0.62609	-0.036092	1
4	0.45	0.43315	0.016845	1
6	0.36	0.32514	0.034859	1
8	0.28	0.25618	0.023823	1

10	0.22	0.2088	0.0112	1
12	0.17	0.1746	-0.0046017	1
14	0.14	0.14899	-0.008989	1
16	0.12	0.12924	-0.0092425	1
18	0.1	0.11365	-0.013654	1
20	0.09	0.1011	-0.011103	1
22	0.07	0.090825	-0.020825	1
24	0.06	0.082285	-0.022285	1
26	0.06	0.075098	-0.015098	1
28	0.06	0.068981	-0.0089815	1
30	0.05	0.063724	-0.013724	1
32	0.05	0.059163	-0.0091633	1
34	0.05	0.055176	-0.0051762	1
36	0.06	0.051665	0.008335	1
38	0.04	0.048552	-0.0085524	1
40	0.05	0.045777	0.0042234	1
42	0.05	0.043288	0.0067124	1
44	0.05	0.041045	0.0089555	1
46	0.05	0.039014	0.010986	1
48	0.05	0.037167	0.012833	1
50	0.04	0.035482	0.0045178	1
52	0.04	0.033938	0.0060618	1
54	0.05	0.032519	0.017481	1
56	0.04	0.03121	0.0087895	1

==

RESULTS FROM VISUAL CURVE MATCHING

SUAL MATCH PARAMETER ESTIMATES

	Estimate
T =	1.3997E-002
S =	1.0470E-001

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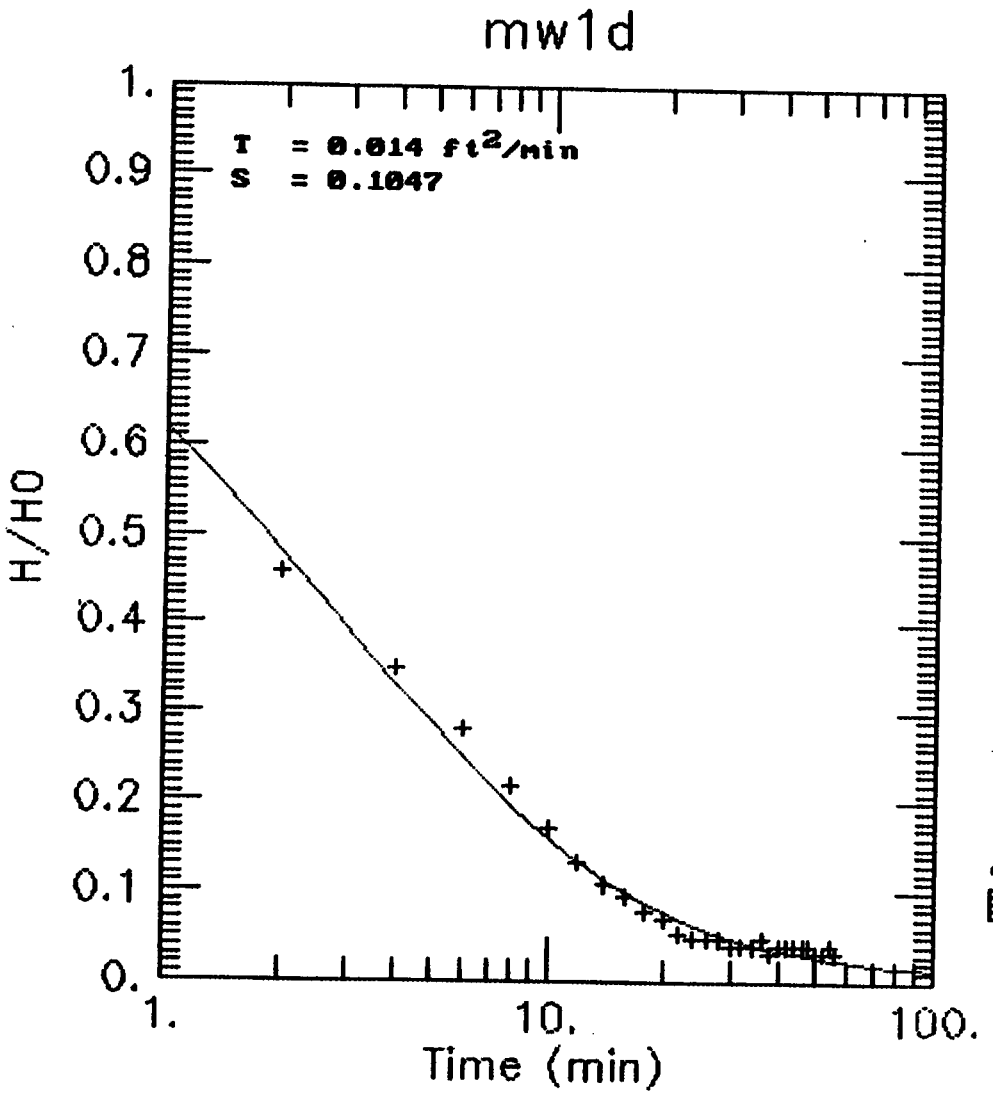

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A Q T E S O L V   R E S U L T S

Version 1.10

05/26/95

15:45:46

==

TEST DESCRIPTION

Data set........... aqt2.dat
Data set title..... mw2

Knowns and Constants:
No. of data points.................. 18
Radius of well casing.............. 0.08
Radius of well..................... 0.08
Aquifer saturated thickness........ 5.38
Well screen length................. 5.5
Static height of water in well..... 5.38
Log(Re/Rw)......................... 3.233
A, B, C............................ 0.000, 0.000, 3.293

==

ANALYTICAL METHOD

'uwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	9.3594E-004	+/-	7.6610E-005
y0 =	1.5915E+000	+/-	1.1944E-001

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals................ 18
Number of estimated parameters.... 2
Degrees of freedom................ 16
Residual mean..................... 0.02571
Residual standard deviation....... 0.04725
Residual variance................. 0.002233

Model Residuals:

Time	Observed	Calculated	Residual	Weight

1	1.02	0.96766	0.052343	1
2	0.5	0.58836	-0.088364	1
3	0.33	0.35774	-0.027743	1
4	0.21	0.21752	-0.0075185	1
5	0.15	0.13226	0.017742	1
6	0.13	0.080417	0.049583	1
7	0.1	0.048896	0.051104	1
8	0.09	0.02973	0.06027	1
9	0.07	0.018077	0.051923	1
10	0.07	0.010991	0.059009	1
11	0.06	0.006683	0.053317	1
12	0.04	0.0040635	0.035937	1
13	0.04	0.0024707	0.037529	1
14	0.04	0.0015023	0.038498	1
15	0.04	0.00091342	0.039087	1
30	0.02	5.2426E-007	0.019999	1
45	0.01	3.009E-010	0.01	1
60	0.01	1.727E-013	0.01	1

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	2.7918E-004
y0 =	2.9312E-001

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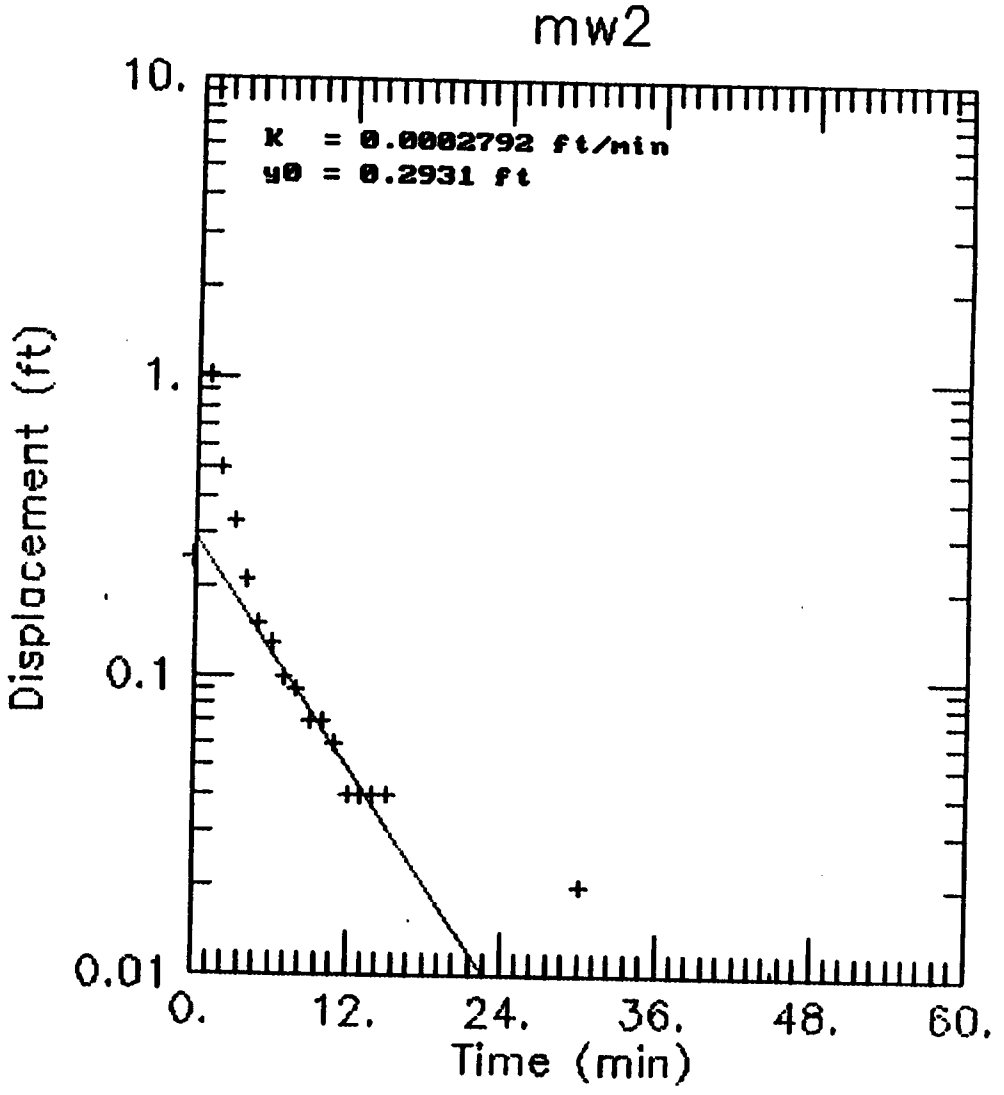

AQTESOLV

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REFERENCE # 12
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A Q T E S O L V

A Program for Automatic Estimation of Aquifer Coefficients From Aquifer Test Data

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A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95

16:32:58

TEST DESCRIPTION

```
Data set........... a:\aqt3.dat
Data set title..... MW3

Knowns and Constants:
   No. of data points.................. 28
   Radius of well casing............... 0.08
   Radius of well...................... 0.08
   Aquifer saturated thickness......... 4.39
   Well screen length.................. 5
   Static height of water in well...... 4.39
   Log(Re/Rw).......................... 3.088
   A, B, C............................. 0.000,  0.000,  3.077
```

ANALYTICAL METHOD

uwer-Rice (Unconfined Aquifer Slug Test)

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	1.4765E-005	+/-	1.7544E-007
y0 =	7.6587E-001	+/-	2.3134E-003

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

```
Weighted Residual Statistics:
   Number of residuals............... 28
   Number of estimated parameters.... 2
   Degrees of freedom................ 26
   Residual mean..................... 0.001412
   Residual standard deviation....... 0.007885
   Residual variance................. 6.217E-005
```

Model Residuals:

Time	Observed	Calculated	Residual	Weight

1	0.77	0.76017	0.0098273	1
2	0.77	0.75451	0.015486	1
3	0.75	0.7489	0.0011031	1
4	0.74	0.74332	-0.0033219	1
5	0.73	0.73779	-0.0077884	1
6	0.73	0.7323	-0.002296	1
7	0.73	0.72684	0.0031554	1
8	0.72	0.72143	-0.0014337	1
9	0.72	0.71606	0.0039369	1
10	0.71	0.71073	-0.00073254	1
11	0.71	0.70544	0.0045584	1
12	0.7	0.70019	-0.00019009	1
13	0.7	0.69498	0.0050223	1
14	0.69	0.6898	0.00019597	1
15	0.68	0.68467	-0.0046689	1
30	0.6	0.61207	-0.012074	1
45	0.54	0.54718	-0.007176	1
60	0.48	0.48916	-0.0091592	1
75	0.43	0.43729	-0.007294	1
90	0.39	0.39093	-0.00092792	1
105	0.35	0.34948	0.00052195	1
120	0.31	0.31242	-0.0024231	1
180	0.2	0.19954	0.00045723	1
240	0.13	0.12745	0.0025532	1
300	0.09	0.081399	0.0086005	1
360	0.07	0.051989	0.018011	1
420	0.05	0.033205	0.016795	1
480	0.03	0.021208	0.008792	1

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	1.4765E-005
y0 =	7.6587E-001

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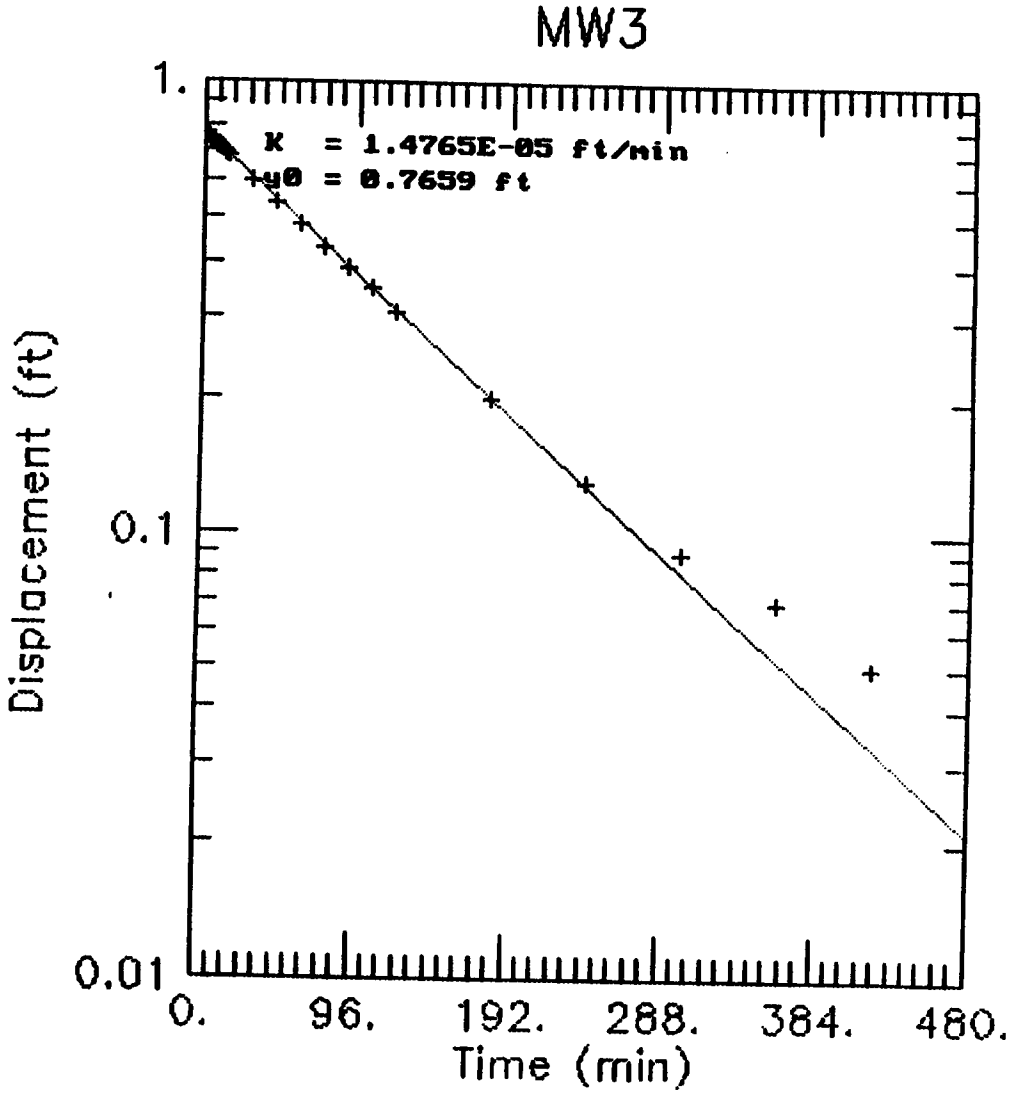

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REFERENCE # 17
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A Q T E S O L V

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<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95

18:52:39

==

TEST DESCRIPTION

Data set........... aqt3d.dat
Data set title..... mw3d

Knowns and Constants:
No. of data points.................. 19
Pumping rate........................ 1
Radius (distance) to obs. well...... 0.25

==

ANALYTICAL METHOD

Cooper et al. (Confined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

		Estimate		Std. Error
T	=	6.1323E-002	+/-	2.4403E-002
S	=	1.0000E-008	+/-	8.0924E-008

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals................ 19
Number of estimated parameters.... 2
Degrees of freedom................ 17
Residual mean..................... 0.004984
Residual standard deviation....... 0.03108
Residual variance................. 0.0009659

Model Residuals:

Time	Observed	Calculated	Residual	Weight
2	0.86	0.82337	0.036627	1
4	0.64	0.56795	0.072053	1
6	0.45	0.39923	0.050766	1
8	0.32	0.28523	0.034771	1

10	0.22	0.207	0.012999	1
12	0.14	0.15263	-0.012634	1
14	0.06	0.1144	-0.054404	1
16	0.05	0.087216	-0.037216	1
18	0.06	0.067661	-0.0076608	1
20	0.06	0.053437	0.0065628	1
22	0.01	0.042972	-0.032972	1
24	0.04	0.035183	0.004817	1
26	0.03	0.029315	0.00068476	1
28	0.03	0.024841	0.0051593	1
30	0.03	0.021385	0.0086146	1
32	0.02	0.018683	0.0013172	1
34	0.01	0.016541	-0.0065411	1
36	0.02	0.014821	0.0051786	1
38	0.02	0.013422	0.0065778	1

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
T =	9.1754E-002
S =	5.8206E-013

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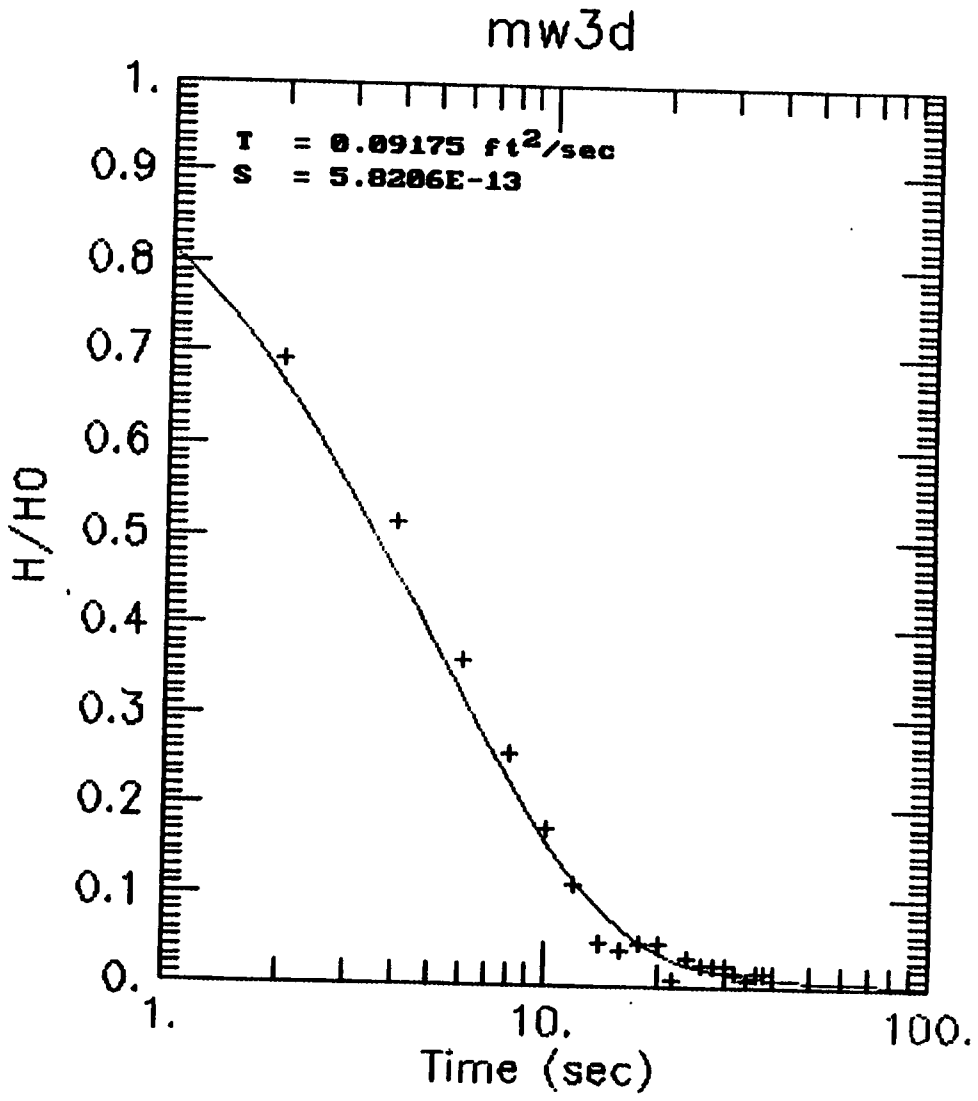

AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

A Q T E S O L V

A Program for
Automatic Estimation of Aquifer Coefficients
From Aquifer Test Data

By:

Glenn M. Duffield
and
James O. Rumbaugh, III

Geraghty & Miller Modeling Group
1895 Preston White Drive, Suite 301
Reston, VA 22091

(703) 476 - 0335

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- Complete graphical display of results

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95

18:56:21

==

TEST DESCRIPTION

Data set........... aqt4.dat
Data set title..... mw4

Knowns and Constants:
No. of data points.................. 37
Radius of well casing............... 0.08
Radius of well...................... 0.08
Aquifer saturated thickness......... 4.87
Well screen length.................. 5.5
Static height of water in well...... 4.87
Log(Re/Rw).......................... 3.168
A, B, C............................. 0.000, 0.000, 3.293

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	6.0269E-004	+/-	5.9957E-006
y0 =	1.2638E+000	+/-	2.0240E-003

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals.............. 37
Number of estimated parameters.... 2
Degrees of freedom............... 35
Residual mean.................... -4.984E-006
Residual standard deviation....... 0.01033
Residual variance................ 0.0001067

Model Residuals:

Time	Observed	Calculated	Residual	Weight

0.00069444	1.3	1.2636	0.036439	1
0.0013889	1.28	1.2633	0.016725	1
0.0020833	1.27	1.263	0.0070122	1
0.0027778	1.26	1.2627	-0.002701	1
0.0034722	1.26	1.2624	-0.0024144	1
0.0041667	1.26	1.2621	-0.0021278	1
0.0048611	1.25	1.2618	-0.011841	1
0.0055556	1.26	1.2616	-0.0015548	1
0.00625	1.26	1.2613	-0.0012684	1
0.0069444	1.26	1.261	-0.00098208	1
0.0076389	1.26	1.2607	-0.00069582	1
0.0083333	1.26	1.2604	-0.00040962	1
0.0090278	1.26	1.2601	-0.00012348	1
0.0097222	1.26	1.2598	0.00016259	1
0.010417	1.26	1.2596	0.00044861	1
0.020833	1.25	1.2553	-0.0052691	1
0.03125	1.25	1.251	-0.0010014	1
0.041667	1.25	1.2467	0.0032519	1
0.052083	1.24	1.2425	-0.0025094	1
0.0625	1.24	1.2383	0.001715	1
0.072917	1.23	1.2341	-0.004075	1
0.083333	1.22	1.2299	-0.0098793	1
0.125	1.19	1.2132	-0.023239	1
0.16667	1.19	1.1968	-0.0068232	1
0.20833	1.17	1.1806	-0.01063	1
0.25	1.16	1.1647	-0.0046557	1
0.29167	1.15	1.1489	0.0011025	1
0.33333	1.14	1.1334	0.0066471	1
0.5	1.07	1.0732	-0.0032482	1
0.66667	1.02	1.0163	0.0036689	1
0.83333	0.99	0.96243	0.027567	1
1.25	0.84	0.83986	0.00013782	1
1.875	0.69	0.68464	0.0053564	1
2.3333	0.58	0.58937	-0.0093679	1
2.875	0.49	0.49371	-0.0037135	1
3.25	0.43	0.43675	-0.006746	1
5.875	0.19	0.18514	0.0048574	1

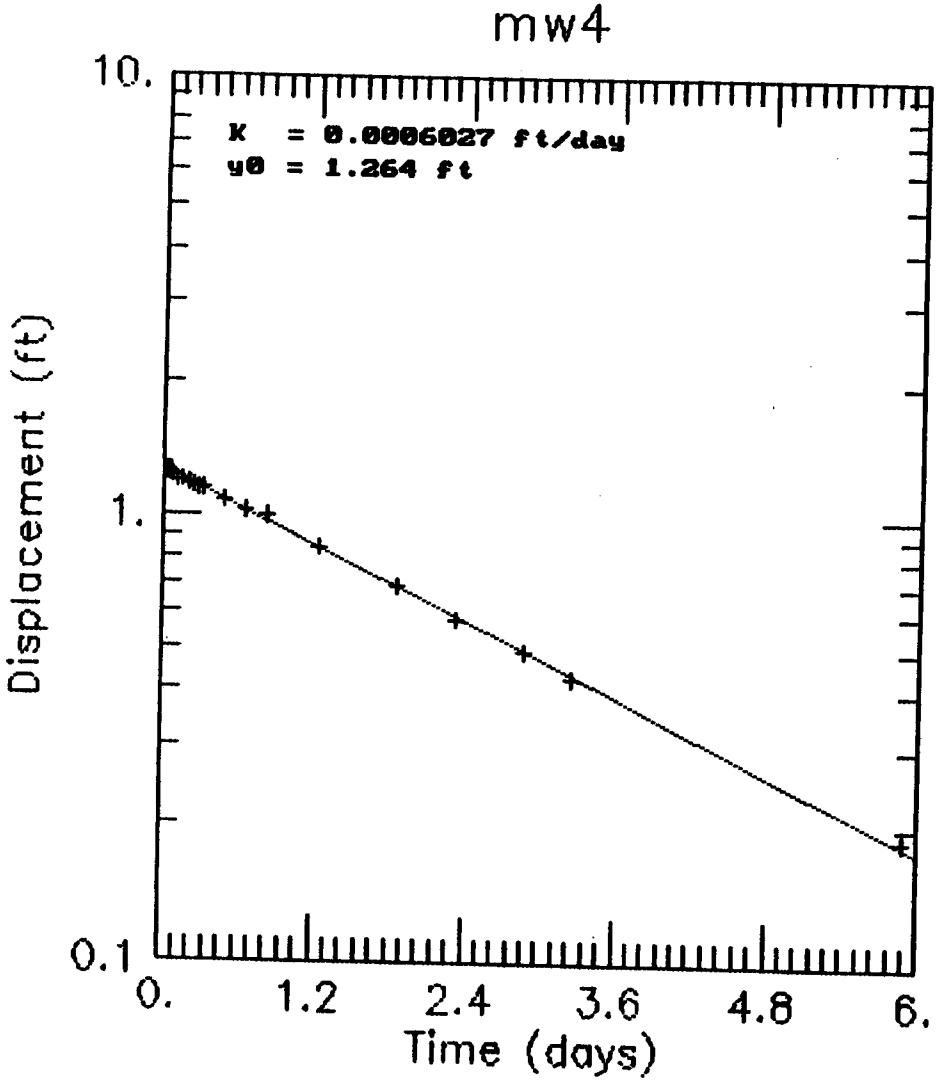
RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	6.0269E-004
y0 =	1.2638E+000

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>

REFERENCE # 17
PAGE 156 OF 584



AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

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A Q T E S O L V

A Program for Automatic Estimation of Aquifer Coefficients From Aquifer Test Data

By:

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A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95

18:59:05

TEST DESCRIPTION

Data set........... a:\aqt4d.dat
Data set title..... mw4d

Knowns and Constants:
No. of data points.................. 9
Pumping rate........................ 1
Radius (distance) to obs. well...... 0.25

ANALYTICAL METHOD

Cooper et al. (Confined Aquifer Slug Test)

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
T =	2.2590E-001	+/-	1.5627E-001
S =	1.0000E-008	+/-	1.4067E-007

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals............... 9
Number of estimated parameters.... 2
Degrees of freedom................ 7
Residual mean..................... -0.002063
Residual standard deviation....... 0.01336
Residual variance................. 0.0001786

Model Residuals:

Time	Observed	Calculated	Residual	Weight
2	0.21	0.19666	0.013344	1
6	2.7756E-016	0.026401	-0.026401	1
8	0.03	0.013797	0.016203	1
10	0.01	0.0088186	0.0011814	1

12	2.7756E-016	0.0064677	-0.0064677	1
14	2.7756E-016	0.0051525	-0.0051525	1
16	2.7756E-016	0.0043081	-0.0043081	1
18	2.7756E-016	0.0037105	-0.0037105	1
20	2.7756E-016	0.0032594	-0.0032594	1

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

		Estimate
T	=	2.0721E-001
S	=	1.0000E-008

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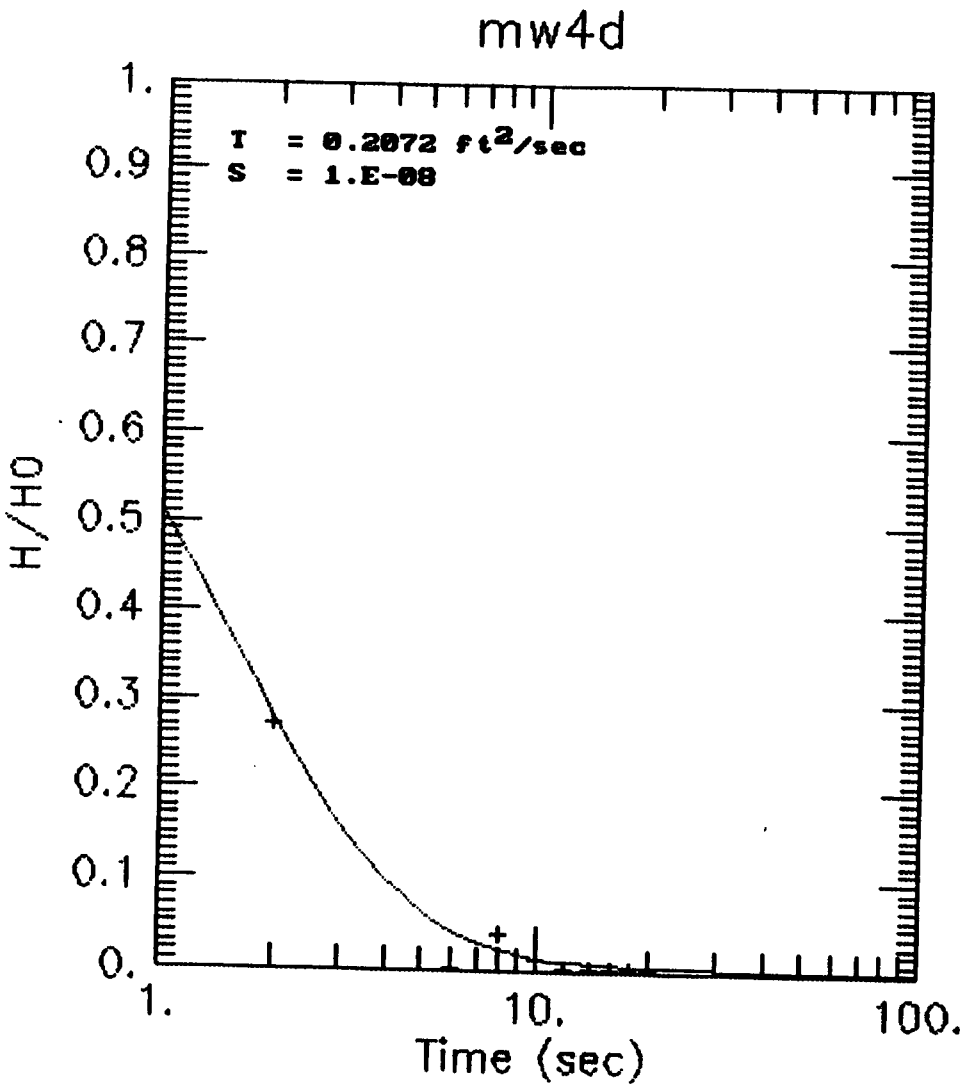
mw4d
T = 0.2072 ft²/sec
S = 1.E-08
H/HO
1.
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0.
1.
10.
100.
Time (sec)

A Q T E S O L V

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A Q T E S O L V   R E S U L T S

Version 1.10

05/26/95

18:25:53

==

TEST DESCRIPTION

Data set........... a:\aqt5.dat
Data set title..... mw5

Knowns and Constants:
No. of data points................... 70
Radius of well casing................ 0.08
Radius of well....................... 0.08
Aquifer saturated thickness.......... 7.6
Well screen length................... 5
Static height of water in well....... 7.6
Log(Re/Rw)........................... 3.439
A, B, C.............................. 0.000, 0.000, 3.077

==

ANALYTICAL METHOD

Bouwer-Rice (Unconfined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

	Estimate		Std. Error
K =	1.1368E-003	+/-	7.3921E-006
y0 =	7.6524E-001	+/-	2.7611E-003

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals.................. 70
Number of estimated parameters....... 2
Degrees of freedom................... 68
Residual mean........................ -1.415E-005
Residual standard deviation.......... 0.008125
Residual variance.................... 6.601E-005

Model Residuals:

Time	Observed	Calculated	Residual	Weight

0.041667	0.74	0.74894	-0.0089422	1
0.083333	0.72	0.733	-0.012996	1
0.125	0.71	0.71739	-0.0073897	1
0.16667	0.7	0.70212	-0.0021154	1
0.20833	0.68	0.68717	-0.0071666	1
0.25	0.67	0.67254	-0.0025358	1
0.29167	0.65	0.65822	-0.0082164	1
0.33333	0.64	0.6442	-0.0042023	1
0.375	0.63	0.63049	-0.00048627	1
0.41667	0.62	0.61706	0.0029378	1
0.45833	0.61	0.60392	0.0060757	1
0.5	0.6	0.59107	0.0089341	1
0.54167	0.58	0.57848	0.0015188	1
0.58333	0.57	0.56616	0.0038353	1
0.625	0.56	0.55411	0.0058898	1
0.66667	0.55	0.54231	0.0076877	1
0.70833	0.54	0.53077	0.0092341	1
0.75	0.52	0.51947	0.0005349	1
0.79167	0.51	0.5084	0.0015951	1
0.83333	0.5	0.49758	0.0024196	1
0.875	0.49	0.48699	0.0030138	1
0.91667	0.48	0.47662	0.0033825	1
0.95833	0.47	0.46647	0.0035302	1
1	0.46	0.45654	0.0034621	1
1.0417	0.45	0.44682	0.0031832	1
1.0833	0.44	0.43731	0.002695	1
1.125	0.44	0.42799	0.012007	1
1.1667	0.42	0.41888	0.0011198	1
1.2083	0.41	0.40996	3.6972E-005	1
1.25	0.41	0.40123	0.0087663	1
1.2917	0.39	0.39269	-0.0026902	1
1.3333	0.38	0.38433	-0.0043306	1
1.375	0.38	0.37615	0.003853	1
1.4167	0.37	0.36814	0.0018623	1
1.4583	0.36	0.3603	-0.00030077	1
1.5	0.35	0.35263	-0.0026289	1
1.5417	0.36	0.34512	0.01488	1
1.5833	0.35	0.33777	0.012227	1
1.625	0.34	0.33058	0.0094188	1
1.6667	0.33	0.32354	0.0064579	1
1.7083	0.32	0.31665	0.0033455	1
1.75	0.32	0.30991	0.010088	1
1.7917	0.31	0.30331	0.006687	1
1.8333	0.3	0.29686	0.0031439	1
1.875	0.29	0.29054	-0.00053509	1
1.9167	0.29	0.28435	0.0056513	1
1.9583	0.28	0.2783	0.0017045	1
2	0.27	0.27237	-0.0023697	1
2.0417	0.26	0.26657	-0.0065701	1
2.0833	0.26	0.2609	-0.0008954	1
2.125	0.25	0.25534	-0.0053401	1
2.1667	0.24	0.2499	-0.0099032	1
2.2083	0.24	0.24458	-0.0045832	1
2.25	0.23	0.23938	-0.0093753	1
2.2917	0.22	0.23428	-0.014278	1
2.3333	0.22	0.22929	-0.009291	1
2.375	0.22	0.22441	-0.0044086	1
2.4167	0.21	0.21963	-0.0096303	1
2.4583	0.2	0.21495	-0.014955	1

2.5	0.2	0.21038	-0.010378	1
2.5417	0.2	0.2059	-0.0058982	1
2.5833	0.2	0.20152	-0.001515	1
2.625	0.19	0.19722	-0.0072241	1
2.6667	0.19	0.19302	-0.0030246	1
2.7083	0.18	0.18892	-0.0089155	1
2.75	0.18	0.18489	-0.0048929	1
2.7917	0.18	0.18096	-0.000956	1
2.8333	0.17	0.1771	-0.0071038	1
2.875	0.17	0.17333	-0.0033327	1
5.5833	0.08	0.042791	0.037209	1

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
K =	1.1582E-003
y0 =	7.5138E-001

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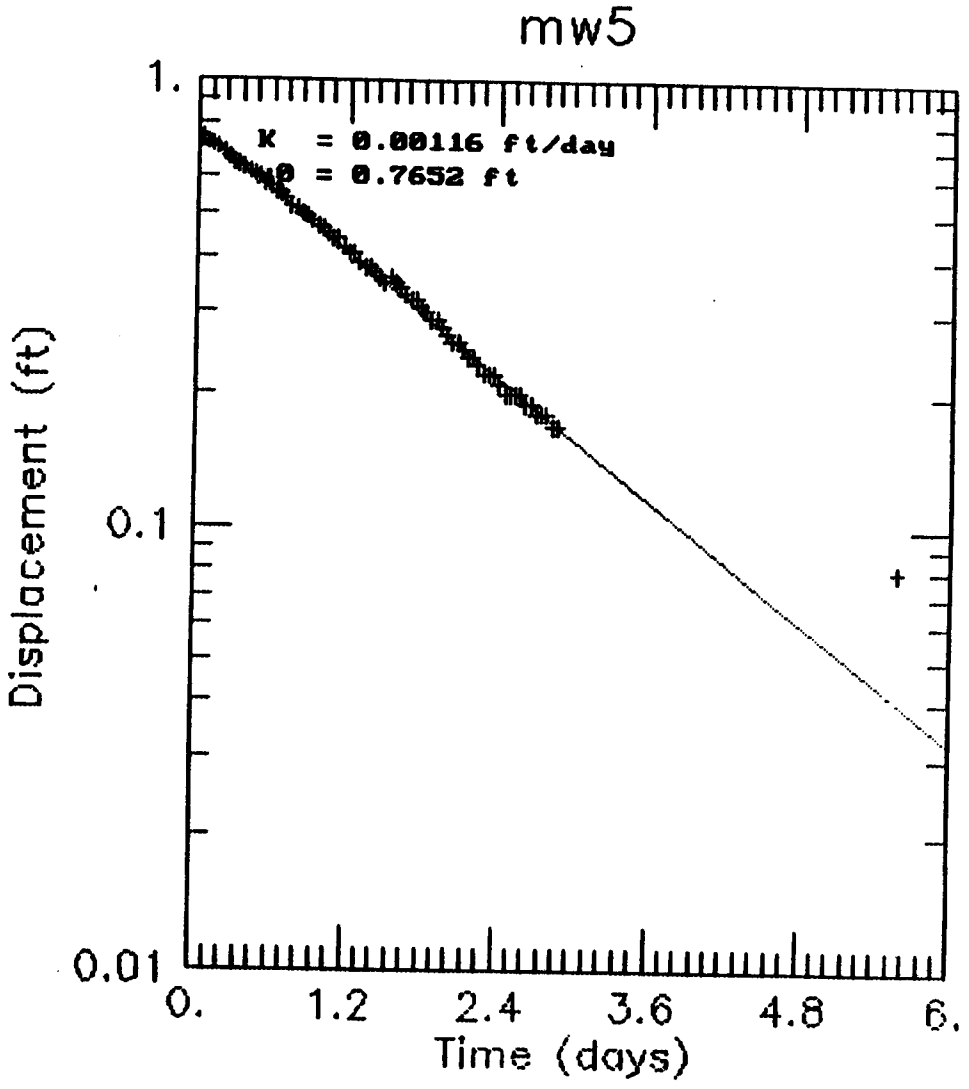

AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

REFERENCE # 17
PAGE 165 OF 584

A Q T E S O L V

A Program for

Automatic Estimation of Aquifer Coefficients

From Aquifer Test Data

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A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95

18:37:08

==

TEST DESCRIPTION

Data set........... a:\aqt5d.dat
Data set title..... mw5d

Knowns and Constants:
No. of data points.................. 29
Pumping rate........................ 1
Radius (distance) to obs. well...... 0.25

==

ANALYTICAL METHOD

Cooper et al. (Confined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

		Estimate		Std. Error
T	=	7.8937E-003	+/-	7.2635E-003
S	=	5.0000E-001	+/-	9.1591E-001

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals............... 29
Number of estimated parameters.... 2
Degrees of freedom................ 27
Residual mean..................... -0.0113
Residual standard deviation....... 0.2196
Residual variance................. 0.04822

Model Residuals:

Time	Observed	Calculated	Residual	Weight
2	0.005	0.44298	-0.43798	1
4	0.005	0.32115	-0.31615	1
8	0.015	0.20639	-0.19139	1
10	1.01	0.17561	0.83439	1

12	0.63	0.15249	0.47751	1
14	0.26	0.1346	0.1254	1
16	0.12	0.12035	-0.00034738	1
18	0.07	0.10874	-0.038737	1
20	0.04	0.0991	-0.0591	1
22	0.03	0.090979	-0.060979	1
24	0.03	0.084046	-0.054046	1
26	0.03	0.078062	-0.048062	1
28	0.03	0.072847	-0.042847	1
30	0.02	0.068264	-0.048264	1
32	0.02	0.064207	-0.044207	1
34	0.03	0.060591	-0.030591	1
36	0.02	0.057349	-0.037349	1
38	0.01	0.054427	-0.044427	1
40	0.02	0.05178	-0.03178	1
42	0.02	0.049372	-0.029372	1
44	0.01	0.047173	-0.037173	1
46	0.01	0.045156	-0.035156	1
48	0.01	0.043301	-0.033301	1
52	0.01	0.040003	-0.030003	1
56	0.01	0.037162	-0.027162	1
58	0.02	0.035885	-0.015885	1
60	0.01	0.034691	-0.024691	1
62	0.01	0.033572	-0.023572	1
64	0.01	0.032522	-0.022522	1

==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

	Estimate
T =	3.6180E-002
S =	2.4094E-006

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A Q T E S O L V   R E S U L T S
Version 1.10

05/26/95

18:43:5

==

TEST DESCRIPTION

Data set........... a:\aqt5d.dat
Data set title..... mw5d

Knowns and Constants:
No. of data points.................. 29
Pumping rate........................ 1
Radius (distance) to obs. well...... 0.25

==

ANALYTICAL METHOD

Cooper et al. (Confined Aquifer Slug Test)

==

RESULTS FROM STATISTICAL CURVE MATCHING

STATISTICAL MATCH PARAMETER ESTIMATES

		Estimate		Std. Error
T	=	7.8335E-003	+/-	7.4267E-003
S	=	5.0000E-001	+/-	9.6921E-001

ANALYSIS OF MODEL RESIDUALS

residual = calculated - observed
weighted residual = residual * weight

Weighted Residual Statistics:
Number of residuals............... 29
Number of estimated parameters.... 2
Degrees of freedom................ 27
Residual mean..................... -0.01187
Residual standard deviation....... 0.2196
Residual variance................. 0.04822

Model Residuals:

Time	Observed	Calculated	Residual	Weight
2	0.005	0.44436	-0.43936	1
4	0.005	0.32204	-0.31704	1
8	0.015	0.20749	-0.19249	1
10	1.01	0.17662	0.83338	1

12	0.63	0.15342	0.47658	1
14	0.26	0.13545	0.12455	1
16	0.12	0.12113	-0.0011331	1
18	0.07	0.10946	-0.039464	1
20	0.04	0.099777	-0.059777	1
22	0.03	0.09161	-0.06161	1
24	0.03	0.084638	-0.054638	1
26	0.03	0.078618	-0.048618	1
28	0.03	0.073372	-0.043372	1
30	0.02	0.06876	-0.04876	1
32	0.02	0.064677	-0.044677	1
34	0.03	0.061037	-0.031037	1
36	0.02	0.057774	-0.037774	1
38	0.01	0.054832	-0.044832	1
40	0.02	0.052168	-0.032168	1
42	0.02	0.049743	-0.029743	1
44	0.01	0.047529	-0.037529	1
46	0.01	0.045498	-0.035498	1
48	0.01	0.043629	-0.033629	1
52	0.01	0.040308	-0.030308	1
56	0.01	0.037447	-0.027447	1
58	0.02	0.03616	-0.01616	1
60	0.01	0.034957	-0.024957	1
62	0.01	0.03383	-0.02383	1
64	0.01	0.032772	-0.022772	1

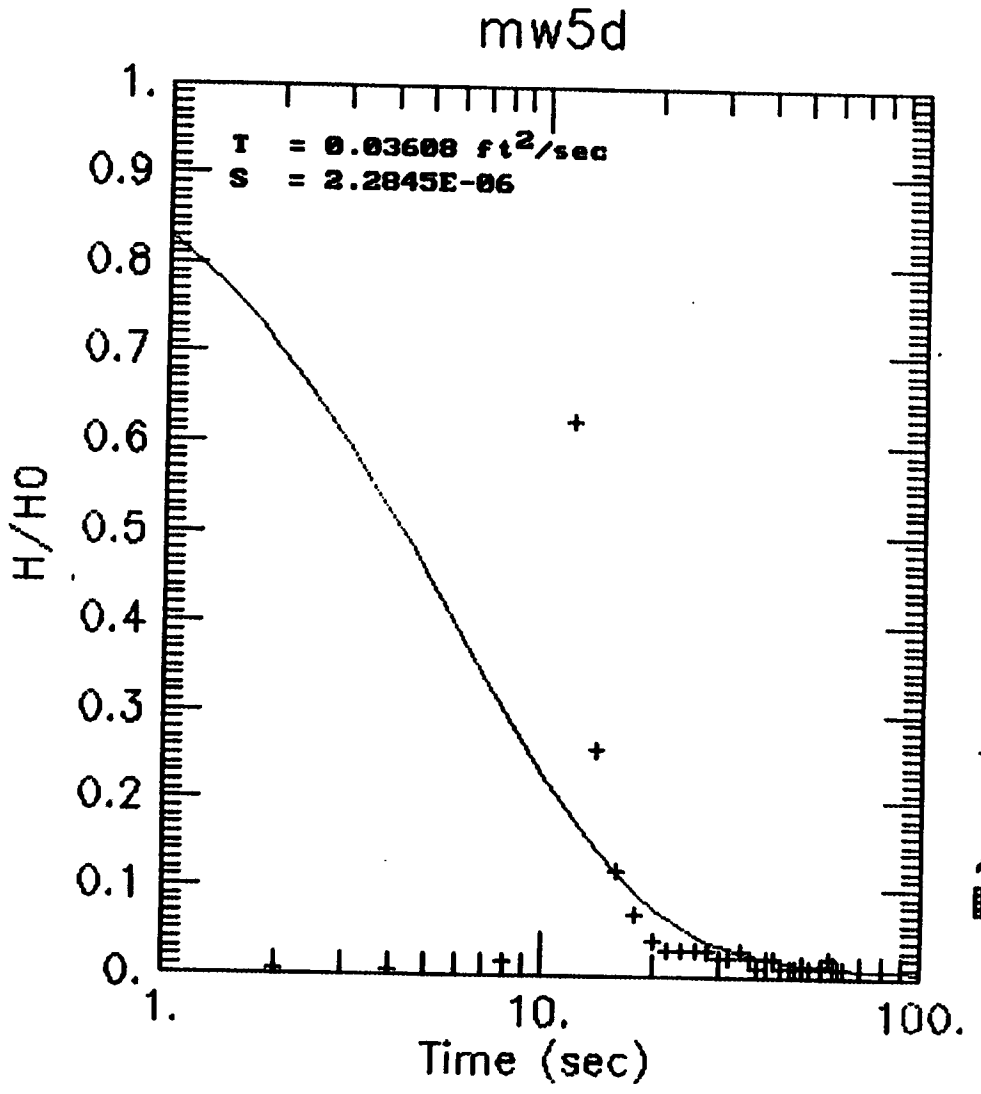
==

RESULTS FROM VISUAL CURVE MATCHING

VISUAL MATCH PARAMETER ESTIMATES

```
          Estimate
   T  =   3.6082E-002
   S  =   2.2845E-006
```

<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<>>



AQTESOLV

GERAGHTY & MILLER, INC.

Modeling Group

REFERENCE # 17
PAGE 171 OF 584

Appendix G
Site Characteristics Fact Sheet

SITE CHARACTERISTICS

FACT SHEET

1. SITE IDENTIFICATION -

   a. NAME: Erdle Perforating Company DATE: May 31, 1995
   b. I.D.NO.: 828072
   c. LOCATION-TOWN/CITY: Town of Gates, New York
   d. COUNTY: Monroe
   e. REGION: 8 (Avon)

2. SITE CLASSIFICATION -

   FEDERAL SUPERFUND: ☐ STATE SUPERFUND: ☒ PRP SITE: ☐

3. PROJECT MANAGER - SECTION CHIEF/RHWRE -

   a. Name: David Pratt
   b. Regional Office: Avon (8)
   c. Telephone: (716) 226-2466 ( ) -

4. GENERAL SITE CHARACTERISTICS(2)(3) -

   a. Description of Area(4): Industrial
   b. Area of contamination (acres): 8250 ft^2 = ~1/5 acre[a]
   c. Site Topography: Flat. Wet area (not wetland) to south & east.
   d. Adjacent Waterbody Within One-Half Mile
      Yes x Distance from the site: 150 ft (marsh)
      No ___
   e. Adjacent Wetlands Within One-Half Mile
      Yes ___ Distance from the site: Marshly area adjacent to site is not a listed wetland.
      No x

(1) To be provided upon conclusion of detailed Remedial Investigation. The SCFS must be updated by the Project Manager to incorporate new data as the data becomes available.

X (2) Attach a letter size or legal size locator site map to include sensitive receptors such as schools, hospitals, nursing homes, agricultural areas, etc.

(3) This form is to be used for each operable unit. This form may be photocopied for use with other sites and operable units.

(4) Residential, industrial, park, etc.

6/30/92

[a] Areal extent of contamination is not fully defined. This is an estimate.

f. Source of Water Supply: Monroe County Water Authority

g. Distance To Nearest Residential Area: 1000 feet

5. GEOLOGY -

a. Soil in Overburden

Type: Glacial stratified drift/glacial till

Thickness: 12-15 feet

Permeability: $4x10^{-7}$ ft/mn to $2.7x10^{-4}$ ft/mn

b. Depth of Contaminant Migration: [b]Soil: 5-7 ft., Groundwater: Shallow bedrock (15ft

c. Depth to Water Table: 1-2 feet

d. Depth to Bedrock: 15 feet

e. Range of Permeability of Bedrock: 0.0014 ft/mn to 1.6 ft/mn

f. Depth to Clay Layer: 7 to 8 feet

g. Permeability of Clay Layer: $4x10^{-7}$ ft/mn to $8x10^{-7}$ ft/mn

6. PHYSICAL CHARACTERISTICS OF WASTE -

	Non-Aqueous Phase Liquid (gal)	Soil (cu yd)
a. Waste Volume of Contaminated Area	none	8333
b. BTU/lb	-----	XXXX
c. Viscosity (units)	-----	xxx
d. Ash Content (%)	-----	xxx
e. Density (g/cc or lbs/cu ft)	-----	

7. CHEMICAL ANALYSIS - LIQUID MEDIA(5) Groundwater

	Aqueous Phase Highest Value	Aqueous Phase #D/#S(6)	Non-Aqueous Phase Highest Value	Non-Aqueous Phase #D/#S(6)
a. TVOC (ppm,%)	354,280 ug/L	10/10	NA	/NA
b. TSVOC (ppm,%)	30 ug/L	4/10	NA	/NA

(5) Specify whether groundwater, surface-water, lagoon, etc. Photocopy item 7 and complete it for each liquid media.
(6) Total number of detects over the total number of samples for the stated parameter (#D/#S).

b Vertical extent of contamination is not fully defined. Contamination present in deepest soil sample, (5-7 feet) and deepest groundwater sample (from shallow bedrock zone).

c Assumes 50 X 150 X 10 feet contaminated area, based on detection of VOCS above NYS AGCs @ MW-1.

d Analysis not performed.

c. Total Metals (ppm,%) 705,449 ug/L 5 / 5

d. Total Pesticides (ppm,%) d / NA/NA

e. PCBs (ppm,%) ND / NA/NA

f. Dioxins (ppb) d / NA/NA

g. Total Phenols (ppm, %) d / NA/NA

h. Cyanides (ppm) d / NA/NA

i. Total Sulfur (%) d / NA/NA

j. Total Chlorine (%) d / NA/NA

A. AQUEOUS PHASE(5)

Major Constituents:	Volatile Organics Highest Value	#D/#S	Semivolatile Organics Highest Value	#D/#S	Heavy Metals Highest Value	#D/#S
(1) First Component:	TCE:		4-Methyphenol		Barium	
Conc (ug/L ppb,ppm,%)	350,000	9 / 10	10	2 / 10	202	5 / 5
(2) Second Component:	1,2-DCE:		2-Methylnaphthalene		Silver	
Conc (ug/L ppb,ppm,%)	170,000	3 / 10	9	2 / 10	114	1 / 5
(3) Third Component:	Vinyl Chloride		Naphthalene		Lead	
Conc (ug/L ppb,ppm,%)	15,000	4 / 10	7	2 / 10	26	4 / 5

B. NON-AQUEOUS PHASE (None)

Major Constituents:	Volatile Organics Highest Value	#D/#S	Semivolatile Organics Highest Value	#D/#S	Heavy Metals Highest Value	#D/#S
(1) First Component:						
Conc (ppb,ppm,%)		/		/		/
(2) Second Component:						
Conc (ppb,ppm,%)		/		/		/
(3) Third Component:						
Conc (ppb,ppm,%)		/		/		/

f. Source of Water Supply: _____

g. Distance To Nearest Residential Area: _____

5. GEOLOGY -

a. Soil in Overburden

Type: _____

Thickness: _____

Permeability: _____

b. Depth of Contaminant Migration: _____

c. Depth to Water Table: _____

d. Depth to Bedrock: _____

e. Range of Permeability of Bedrock: _____

f. Depth to Clay Layer: _____

g. Permeability of Clay Layer: _____

6. PHYSICAL CHARACTERISTICS OF WASTE -

	Non-Aqueous Phase Liquid (gal)	Soil (cu yd)
a. Waste Volume of Contaminated Area		
b. BTU/lb		
c. Viscosity (units)		xxx
d. Ash Content (%)		xxx
e. Density (g/cc or lbs/cu ft)		

7. CHEMICAL ANALYSIS - LIQUID MEDIA(5) Surface Water

	Aqueous Phase Highest Value	Aqueous Phase #D/#S(6)	Non-Aqueous Phase Highest Value	Non-Aqueous Phase #D/#S(6)
a. TVOC (ppm,%)	1726 ug/L	1 / 4		NA/NA
b. TSVOC (ppm,%)	ND	0 / 4		NA/NA

(5) Specify whether groundwater, surface water, lagoon, etc. Photocopy item 7 and complete it for each liquid media.
(6) Total number of detects over the total number of samples for the stated parameter (#D/#S).

c. Total Metals (ppm,%) 292,965 ug/L / 1/1 NA / NA

d. Total Pesticides (ppm,%) d / NA / NA

e. PCBs (ppm,%) ND / NA / NA

f. Dioxins (ppb) d / NA / NA

g. Total Phenols (ppm, %) d / NA / NA

h. Cyanides (ppm) d / NA / NA

i. Total Sulfur (%) d / NA / NA

j. Total Chlorine (%) d / NA / NA

A. AQUEOUS PHASE(5) Surface Water

Major Constituents:	Volatile Organics Highest Value	#D/#S	Semivolatile Organics Highest Value	#D/#S	Heavy Metals Highest Value	#D/#S
(1) First Component: ug/L	1,2-DCE		------		Barium	
Conc (ppb,ppm,%)	1700	1 /4		/4	142	1/1
(2) Second Component: ug/L	TCE		-------		Lead	
Conc (ppb,ppm,%)	14	2 /4		/4	22.6	1/ 1
(3) Third Component: ug/L	Vinychloride		-------		Arsenic	
Conc (ppb,ppm,%)	12	2 /4		/4	3.7	1/ 1

B. NON-AQUEOUS PHASE (None)

Major Constituents:	Volatile Organics Highest Value	#D/#S	Semivolatile Organics Highest Value	#D/#S	Heavy Metals Highest Value	#D/#S
(1) First Component:						
Conc (ppb,ppm,%)		/		/		/
(2) Second Component:						
Conc (ppb,ppm,%)		/		/		/
(3) Third Component:						
Conc (ppb,ppm,%)		/		/		/

8. CHEMICAL ANALYSIS - SOLID MEDIA(7) Sediment

	Highest Value	#D/#S(6)
a. TVOC (ppm,%)	10,247 ug/Kg	3 /4
b. TSVOC (ppm,%)	1,665 ug/Kg	1 /2
c. Total Metals (ppm,%)	31,694.9 mg/Kg	2 /2
d. Total Pesticides (ppm,%)	d	NA/NA
e. PCBs (ppm,%)	ND	NA/NA
f. Dioxins (ppb)	d	NA/NA
g. Cyanides (ppb)	d	NA/NA
h. Total Phenols (ppm,%)	d	NA/NA
i. Total Sulfur (%)	d	NA/NA
j. Total Chlorine (%)	d	NA/NA

Major Constituents:	Volatile Organics		Semivolatile Organics		Heavy Metals	
	Highest Value	#D/#S	Highest Value	#D/#S	Highest Value	#D/#S
(1) First Component: ug/Kg Conc (ppb,ppm,%)	1,2-DCE 10,000	1/4	Pyrene 420	1 /2	Lead 71.1 mg/Kg	2/ 2
(2) Second Component: ug/Kg Conc (ppb,ppm,%)	TCE 160	1 /4	Fluouranthene 260	1 /2	Barium 59.6 mg/Kg	2/2
(3) Third Component: ug/Kg Conc (ppb,ppm,%)	Acetene 92	2/4	Benzo (b) fluoranthene 240	1/2	Chromium 35.1 mg/Kg	2/2

9. PUBLIC HEALTH CONCERNS -

10. HISTORY OF FIRES AND EXPLOSIONS -

11. OTHER INFORMATION -

(7) Specify whether soil, sediment, drummed solids, etc. Photocopy item 8 and complet it for each solid media.

8. CHEMICAL ANALYSIS - SOLID MEDIA(7) Soil

	Highest Value	#D/#S(6)
a. TVOC (ppm,%)	57,125 ug/Kg	6 / 7
b. TSVOC (ppm,%)	5,651 ug/Kg	4 / 4
c. Total Metals (ppm,%)	104,086 mg/kg	6 / 6
d. Total Pesticides (ppm,%)	d	NA/NA
e. PCBs (ppm,%)	ND	NA/NA
f. Dioxins (ppb)	d	NA/NA
g. Cyanides (ppb)	d	NA/NA
h. Total Phenols (ppm,%)	d	NA/NA
i. Total Sulfur (%)	d	NA/NA
j. Total Chlorine (%)	d	NA/NA

Major Constituents:	Volatile Organics		Semivolatile Organics		Heavy Metals	
	Highest Value	#D/#S	Highest Value	#D/#S	Highest Value	#D/#S
(1) First Component:	1,2-DCE		Benxo(b)fluoranthene		Lead	
ug/Kg Conc (ppb,ppm,%)	54,000	3 / 7	1,000	1 / 4	192 mg/kg	5 / 6
(2) Second Component:	TCE		Pyrene		Barium	
ug/Kg Conc (ppb,ppm,%)	2,800	4 / 7	1,000	1 / 4	118 mg/Kg	5 / 6
(3) Third Component:	Total Xylenes		2-Methylnaphthalene		Chromium	
ug/Kg Conc (ppb,ppm,%)	260	2 / 7	800	3 / 4	37.2 mg/Kg	6/6

9. PUBLIC HEALTH CONCERNS - None

10. HISTORY OF FIRES AND EXPLOSIONS - None

11. OTHER INFORMATION - See "Draft Remedial Investigation Report for Erdle Perforating Company, Site No. 828072," Radian Corp., May 1995.

(7) Specify whether soil, sediment, drummed solids, etc. Photocopy item 8 and complet it for each solid media.

12. LISTING OF TECHNOLOGIES PROPOSED OR CONSIDERED TO DATE BY WASTE CATEGORY -

	Groundwater	Soil	Sediment
a.	Pump & treat	Excavation	Excavation
b.	2-Phase[e]	2-Phase	No action
c.	No action	No action	
d.			
e.			

13. BACKGROUND LEVELS

a. Listing of contaminants and their background levels which have been determined by PRP's, consultants or the USEPA.	A Soil (ppm) ug/kg	B Sediment (ppm)	C Groundwater (ppb) ug/L	D Surface Water (ppb) mg/L
(1) 1,2-DCE	ND (10)[f]	ND	ND (0.20)	ND (0.20)
(2) TCE	ND (10)	ND	ND (0.20)	ND (0.20)
(3) Vinyl Chloride	ND (52)	ND	ND (1.0)	ND (1.0)
(4) Tetrachlorethene	ND (10)	ND	ND (0.20)	1.7

14. CLEANUP LEVELS

a. Listing of contaminants and their cleanup levels which have been proposed by PRP's, consultants or the USEPA.	A Soil (ppm)	B Sediment (ppm)	C Groundwater (ppb)	D Surface Water (ppb)
(1) None				
(2)				
(3)				
(4)				

b. Listing of contaminants for which cleanup levels are requested from the TECHNOLOGY SECTION.

(1) 1,2-DCE

(2) TCE

(3) Vinyl Chloride

(4) Tetrachloroethene

e Xerox 2-Phase extraction technology.

f Detection limit presented in parantheses

TOTAL P.06

Appendix H
Laboratory Analytical Reports

RECRA ENVIRONMENTAL INC.

Chemical and Environmental Analysis Services

January 27, 1995

Ms. Dawn Wendt
Radian Corporation
155 Corporate Woods, Suite 100
Rochester, NY 14623

RE: Analytical Results

Dear Ms. Wendt:

Please find enclosed results concerning the analyses of the samples recently submitted by your firm. The pertinent information regarding these analyses is listed below:

Quote #:	NY95-008
Project Name:	ERDLE SITE
Case #:	5205
SDG #:	S1
Matrix:	Aqueous/Soil
Samples Received:	12/9/94
Sample Date:	12/8/94

If you have any questions concerning these data, please contact Ms. Robert Kissel, Program Manager, at (716) 691-2600 and refer to the I.D number listed below. It has been our pleasure to provide Radian Corporation with Environmental Testing Services. We look forward to serving you in the future.

Sincerely,

RECRA ENVIRONMENTAL, INC.

R. Kissel

Robert M. Kissel
Program Manager KEK for

KE Kasperek

Kenneth E. Kasperek
Laboratory Director

RMK/KEK/dms
Enclosure

I.D. #94-7242
#94-7250
#NY5A5205

SAMPLE DATA SUMMARY PACKAGE

RECRA
ENVIRONMENTAL
INC.

CASE NARRATIVE

Laboratory Name: Recra Environmental, Inc.

Laboratory Code: RECNY

Case Number: 5205

SDG Number: S1

Sample Identification:
RB1
RB2
S1
SD1
SD-2
SD-3
SD-4
SF-1
SF-1 MATRIX SPIKE
SF-1 MATRIX SPIKE DUPLICATE
SF-2
SF-2 MATRIX DUPLICATE
SF-2 MATRIX SPIKE
SF-2 MATRIX SPIKE DUPLICATE
SF-2FD
SF-3
SF-3 MATRIX DUPLICATE
SF-3 MATRIX SPIKE
SF-3 MATRIX SPIKE DUPLICATE
SF-4
SF-5
SW-1
SW-2
SW-3
SW-4
TB-1

METHODOLOGIES

Analyses were performed in accordance with 1991 New York State Analytical Services protocol.

The specific methodologies employed in obtaining the enclosed analytical results are indicated on the specific data table. The method numbers presented refer to the following U.S. Environmental Protection Agency reference.

* 40 CFR Part 136 "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act" October 26, 1984 (Federal Register) U.S. Environmental Protection Agency.

* U.S. Environmental Protection Agency "Test Methods for Evaluating Solid Waste-Physical/Chemical Methods." Office of Solid Waste and Emergency Response. November 1986, SW-846, Third Edition.

COMMENTS

Comments pertain to data on one or all pages of this report.

The enclosed data has been reported utilizing data qualifiers (Q) as defined on the Organic and Inorganic Data Comment Pages.

Results of the analysis of soils are corrected for moisture content and reported on a dry weight basis.

VOLATILE DATA

Volatile sample and standard areas are listed on the corresponding data system printouts.

Volatile data was processed utilizing Finnigan DataPro Autoquantitation and Recra Environmental's Inc.'s Analytical Information Management Systems (AIMS). All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Samples SF-2 and SF-2 FD were analyzed by medium level soil extraction due to the high concentration of 1,2-Dichloroethane(Total). QC is included for these medium level extractions.

Sample SW-2 was analyzed at an initial dilution of ten (10) due to the high concentration of 1,2-Dichloroethane(Total).

Sample SD-2 exhibited an internal standard recovery for Chlorobenzene-d5 that was below QC limits. Due to the high concentration of 1,2-Dichloroethane(Total) the sample was re-analyzed as a medium level soil and exhibited compliant internal standards.

0003

The specific methodologies employed in obtaining the enclosed analytical results are indicated on the specific data table. The method numbers presented refer to the following U.S. Environmental Protection Agency reference.

* 40 CFR Part 136 "Guidelines Establishing Test Procedures for the Analysis of Pollutants Under the Clean Water Act" October 26, 1984 (Federal Register) U.S. Environmental Protection Agency.

* U.S. Environmental Protection Agency "Test Methods for Evaluating Solid Waste-Physical/Chemical Methods." Office of Solid Waste and Emergency Response. November 1986, SW-846, Third Edition.

COMMENTS

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Results of the analysis of soils are corrected for moisture content and reported on a dry weight basis.

VOLATILE DATA

Volatile sample and standard areas are listed on the corresponding data system printouts.

Volatile data was processed utilizing Finnigan DataPro Autoquantitation and Recra Environmental's Inc.'s Analytical Information Management Systems (AIMS). All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Samples SF-2 and SF-2 FD were analyzed by medium level soil extraction due to the high concentration of 1,2-Dichloroethene(Total). QC is included for these medium level extractions.

Sample SW-2 was analyzed at an initial dilution of ten (10) due to the high concentration of 1,2-Dichloroethene(Total).

Sample SD-2 exhibited an internal standard recovery for Chlorobenzene-d5 that was below QC limits. Due to the high concentration of 1,2-Dichloroethene(Total) the sample was re-analyzed as a medium level soil and exhibited compliant internal standards.

Volatile Method Blank, VBLK41, exhibits the presence of one (1) Tentatively Identified Compound (TIC).

Volatile Method Blank, VBLK43, exhibits the presence of one (1) Tentatively Identified Compound (TIC).

SEMIVOLATILE DATA

Semivolatile sample and standard areas are listed on the corresponding data system printouts.

Semivolatile data was processed utilizing Finnigan DataPro Autoquantitation and Recra Environmental's Inc.'s Analytical Information Management Systems (AIMS). All compounds determined to be present by the computer-generated autoquantitation were subjected to a manual ion search for secondary and tertiary ions. Unedited quantitation reports have been submitted with this analytical data package.

Sample SF-2MS exhibited the spike recovery for Pyrene as above QC limits. Sample SF-2MSD exhibited N-Nitroso-Di-n-propylamine as outside QC limits. The relative percent difference for 1,2,4-Trichlorobenzene, Acenaphthene and Pyrene are outside QC limits.

Sample S-1 exhibits the recoveries of internal standards 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 outside QC limits and the retention time for internal standard Chrysene-d12 outside QC limits. Sample S-1RE exhibits the recoveries of internal standards Naphthalene-d8, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 outside QC limits and the retention time for internal standards Chrysene-d12 and Perylene-d12 outside QC limits.

Sample SD-2 exhibits the recoveries of internal standards 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 outside QC limits and the retention time for internal standard Chrysene-d12 outside QC limits. Sample SD-2RE exhibits the recovery of internal standard Perylene-d12 outside QC limits and the retention time for internal standards Chrysene-d12 and Perylene-d12 outside QC limits.

Sample SF-2 exhibits the recovery of internal standard Chrysene-d12 outside QC limits. Sample SF-2FD exhibits the recoveries of internal standards Chrysene-d12 and Perylene-d12 outside QC limits. Sample SF-2MS exhibits the recoveries of internal standards 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 outside QC limits. Sample SF-2MSD exhibits the recoveries of internal standards 1,4-Dichlorobenzene-d4, Naphthalene-d8, Acenaphthene-d10, Phenanthrene-d10, Chrysene-d12 and Perylene-d12 outside QC limits.

Sample SF-3MS exhibits the spike recovery of Acenaphthene as below QC limits. Sample SF-3MSD exhibits the spike recovery of N-Nitroso-Di-n-propylamine as below QC limits. Samples SF-3MS and SF-3MSD both exhibit 4-Nitrophenol and 2,4-Dinitrotoluene as 0% recovery. These compounds are buried by sample matrix. The relative percent difference for 1,2,4-Trichlorobenzene, 4-Chloro-3-methylphenol and Acenaphthene is above QC limits.

Semivolatile Method Blank, SBLK68, exhibits the presence of two (2) Tentatively Identified Compound (TICS).

Semivolatile Method Blank, SBLK84, exhibits the presence of three (3) Tentatively Identified Compound (TICS).

METHOD 8010 DATA

Sample SF-3MS exhibits the spike recoveries of Chloroform, Chloromethane and Vinyl Chloride as outside QC limits. Sample SF-3MSD exhibits the spike recoveries of Chloroform, Chloromethane and Vinyl Chloride as outside QC limits.

The Matrix Spike Blank exhibits the spike recovery of Chloroform as outside QC limits.

Chromatographically, Chloromethane and Vinyl Chloride co-elute, and are designated by a 1 in the Qualifier column.

Continuing Calibration AGC000914D-1 analyzed 12/14/94 exhibited compounds Chlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene and 1,2-Dichlorobenzene as outside QC limits.

Continuing Calibration AGC000915D-1 analyzed 12/14/94 exhibited compound Chloroform as outside QC limits.

The retention time for Methylene Chloride was outside QC limits on column RTX-502.2 analyzed 12/14/94.

METHOD 8020 DATA

Sample SF-3MS exhibits the spike recoveries of Benzene, 1,2-Dichlorobenzene and 1,2-Dichlorobenzene as outside QC limits. Sample SF-3MSD exhibits the spike recoveries of Benzene, 1,2-Dichlorobenzene, 1,2-Dichlorobenzene and Toluene. The relative percent difference is outside QC limits.

PESTICIDE/PCB's DATA

The surrogate recoveries of TCX fell outside QC limits on both columns in sample PBLK13. The surrogate recoveries of DCB fell outside QC limits on both columns in samples RB1, SW2; and on the DB608 column only in sample PBLK13.

The retention time of the third peak of aroclor 1242 fell outside the established retention time window on the DB608 column in samples SF2MS, SF2MSD, and MSBD.

PIBLK03 was analyzed past the required twelve hours for the sequence and an INDAM and INDBM standards were analyzed after it.

The relative percent differences of methoxychlor fell outside the QC limit on the DB608 column in INDAM08 analyzed 12/22/94 at 01:12 and INDAM09 analyzed 12/23/94 at 08:24.

The retention times fell outside the established windows on the DB608 column for endrin ketone in PEM15 analyzed 01/04/94 at 23:25; methoxychlor in INDAM13 analyzed 01/05/94 at 10:21; and endrin ketone in INDBM13 analyzed 01/05/94 at 11:05.

The retention times fell outside the established windows on the DB1701 column for two peaks of aroclor 1260 analyzed 01/04/94 at 21:57; endrin ketone in PEM15 analyzed 01/04/94 at 23:25; gamma-BHC, heptachlor, and methoxychlor in INDAM13 analyzed 01/05/94 at 10:21; and aldrin, endrin ketone in INDBM13 analyzed 01/05/94 at 11:05.

The retention times of surrogate DCB fell outside the retention time window on the DB608 column in AR124205, AR124805, AR125405, AR166005, PIBLK26, PEM15, PIBLK27, INDAM13 and INDBM13.

The retention times of surrogate TCX fell outside the retention time window on the DB1701 column in PIBLK27, INDAM13 and INDBM13; retention times of surrogate DCB fell outside the retention time window in AR124205, AR124805, AR125405, AR166005, PIBLK26, PEM15, PIBLK27, INDAM13 and INDBM13.

METALS DATA

Sample identifications have been abbreviated due to the character limitations of the software.

WET CHEMISTRY DATA

Sample SF-3MS exhibited a spike recovery for Leachable Total Organic Carbon as above QC limits. The MSB and MSBD were compliant.

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

KE Kasperek

Kenneth E. Kasperek
Laboratory Director

1/27/95
Date

RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: RECRA ENVIRONMENTAL, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS					
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	WATER QUALITY
RB-1	A4725002	ASP91	ASP91	SW8463	ASP91	ASP91	SW8463
RB-2	A4725003	-	-	SW8463	-	-	SW8463
S-1	A4724210	ASP91	ASP91	-	ASP91	ASP91	SW8463
SD-1	A4724206	ASP91	ASP91	-	ASP91	ASP91	SW8463
SD-2	A4724207	ASP91	ASP91	-	ASP91	ASP91	SW8463
SD-3	A4724208	-	-	SW8463	-	-	SW8463
SD-4	A4724209	ASP91	-	-	-	-	SW8463
SF-1	A4724201	ASP91	ASP91	-	ASP91	ASP91	SW8463
SF-2	A4724202	ASP91	ASP91	-	ASP91	ASP91	SW8463
SF-2 FD	A4724202FD	ASP91	ASP91	-	ASP91	ASP91	SW8463
SF-3	A4724203	-	ASP91	SW8463	-	-	SW8463
SF-4	A4724204	-	-	SW8463	-	ASP91	-
SF-5	A4724205	-	-	SW8463	-	ASP91	-
SW-1	A4725004	-	-	SW8463	-	-	-
SW-2	A4725005	ASP91	ASP91	-	ASP91	ASP91	CFR136
SW-3	A4725006	-	-	SW8463	-	-	-
SW-4	A4725007	-	-	SW8463	-	-	-
TB-1	A4725001	-	-	SW8463	-	-	-

RECRA
ENVIRONMENTAL
INC.

0009

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
RB-1	WATER	12/08/94	12/09/94	-	12/12/94
S-1	SOIL	12/08/94	12/09/94	-	12/10/94
SD-1	SOIL	12/08/94	12/09/94	-	12/14/94
SD-2	SOIL	12/08/94	12/09/94	-	12/10/94
SD-4	SOIL	12/08/94	12/09/94	-	12/10/94
SF-1	SOIL	12/08/94	12/09/94	-	12/14/94
SF-2	SOIL	12/08/94	12/09/94	-	12/12/94
SF-2 FD	SOIL	12/08/94	12/09/94	-	12/12/94
SW-2	WATER	12/08/94	12/09/94	-	12/12/94
TB-1	WATER	12/08/94	12/09/94	-	12/12/94

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RECRA
ENVIRONMENTAL
INC.

Revised -
rev'd 3/17/95

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
VOLATILE ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL. INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
RB-1	WATER	12/08/94	12/09/94	-	12/12/94
S-1	SOIL	12/08/94	12/09/94	-	12/10/94
SD-1	SOIL	12/08/94	12/09/94	-	12/14/94
SD-2	SOIL	12/08/94	12/09/94	-	12/10/94
SD-3	SOIL	12/08/94	12/09/94	-	12/14/94
SD-4	SOIL	12/08/94	12/09/94	-	12/10/94
SF-1	SOIL	12/08/94	12/09/94	-	12/14/94
SF-2	SOIL	12/08/94	12/09/94	-	12/12/94
SF-2 FD	SOIL	12/09/94	12/09/94	-	12/12/94
SW-2	WATER	12/08/94	12/09/94	-	12/12/94

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RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
BN-A ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
RB-1	WATER	12/08/94	12/09/94	12/13/94	12/16/94
S-1	SOIL	12/08/94	12/09/94	12/12/94	12/30/94
SD-1	SOIL	12/08/94	12/09/94	12/12/94	01/05/95
SD-2	SOIL	12/08/94	12/09/94	12/12/94	12/30/94
SF-1	SOIL	12/08/94	12/09/94	12/12/94	12/30/94
SF-2	SOIL	12/08/94	12/09/94	12/12/94	12/30/94
SF-2 FD	SOIL	12/08/94	12/09/94	12/12/94	12/30/94
SF-3	SOIL	12/08/94	12/09/94	12/12/94	12/30/94
SW-2	WATER	12/08/94	12/09/94	12/13/94	12/16/94

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
RB-1	WATER	12/08/94	12/09/94	12/12/94	12/23/94
S-1	SOIL	12/08/94	12/09/94	12/12/94	12/28/94
SD-1	SOIL	12/08/94	12/09/94	12/12/94	12/24/94
SD-2	SOIL	12/08/94	12/09/94	12/12/94	12/24/94
SF-1	SOIL	12/08/94	12/09/94	12/12/94	12/24/94
SF-2	SOIL	12/08/94	12/09/94	12/12/94	12/23/94
SF-2 FD	SOIL	12/08/94	12/09/94	12/12/94	12/23/94
SW-2	WATER	12/08/94	12/09/94	12/12/94	12/21/94

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RECRA
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INC.

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NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
RB-1	WATER	HSLME+CN	12/09/94	12/14,28,29/94	12/15,30/94 01/11/94
S-1	SOIL	HSLME+CN	12/09/94	12/14,29/94 01/03/95	12/15,30/94 01/03,11/95
SD-1	SOIL	HSLME+CN	12/09/94	12/14,29/94 01/03/95	12/15,30/94 01/03,11/95
SD-2	SOIL	HSLME+CN	12/09/94	12/14,29/94 01/03/95	12/15,30/94 01/03,11/95
SF-1	SOIL	HSLME+CN	12/09/94	12/14,29/94 01/03/95	12/15,30/94 01/03,11/95
SF-2	SOIL	HSLME+CN	12/09/94	12/14,29/94 01/03/95	12/15,30/94 01/03,11/95
SF-2 FD	SOIL	HSLME+CN	12/09/94	12/14,29/94 01/03/95	12/15/94 01/03,11/95
SF-4	SOIL	HSLME+CN	12/09/94	12/14,29/94 01/03/95	12/15,30/94 01/03,11 95
SF-5	SOIL	HSLME+CN	12/09/94	12/14,29/94 01 03/95	12/15,30/94 01/03,11/95
SW-2	WATER	HSLME+CN	12/09/94	12/14,28,29/94	12/15,30/94 01/11/95

RECRA
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INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILARY CLEAN UP	DIL.CONC FACTOR
RB-1	WATER	ASP91	CONT. SEPF	AS REQUIRED	AS REQUIRED
S-1	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SD-1	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SD-2	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SD-4	SOIL	ASP91	-	AS REQUIRED	AS REQUIRED
SF-1	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SF-2	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SF-2 FD	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SF-3	SOIL	ASP91	-	AS REQUIRED	AS REQUIRED
SW-2	WATER	ASP91	CONT. SEPF	AS REQUIRED	AS REQUIRED
TB-1	WATER	ASP91	CONT. SEPF	AS REQUIRED	AS REQUIRED

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RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILARY CLEAN UP	DIL/CONC FACTOR
RB-1	WATER	ASP91	CONT. SEPF	AS REQUIRED	AS REQUIRED
S-1	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SD-1	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SD-2	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SD-4	SOIL	ASP91	-	AS REQUIRED	AS REQUIRED
SF-1	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SF-2	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SF-2 FD	SOIL	ASP91	SONC	AS REQUIRED	AS REQUIRED
SF-3	SOIL	ASP91	-	AS REQUIRED	AS REQUIRED
SW-2	WATER	ASP91	CONT. SEPF	AS REQUIRED	AS REQUIRED

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RECRA
ENVIRONMENTAL
INC.

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: RECRA ENVIRONMENTAL, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
RB-1	WATER	ASP91	ASP91	AS REQUIRED	AS REQUIRED
S-1	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SD-1	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SD-2	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SF-1	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SF-2	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SF-2 FD	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SF-4	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SF-5	SOIL	ASP91	ASP91	AS REQUIRED	AS REQUIRED
SW-2	WATER	ASP91	ASP91	AS REQUIRED	AS REQUIRED

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RECRA
ENVIRONMENTAL
INC.

ORGANIC DATA COMMENT PAGE

Laboratory Name: Recra Environmental, Inc.

USEPA Defined Organic Data Qualifiers:

U	-	Indicates compound was analyzed for but not detected.
J	-	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the mass spectral data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	-	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	-	This flag is used when the analyte is found in the associated blank as well as in the sample.
E	-	This flag identifies compounds whose concentrations exceed the calibration range of the GC/MS instrument for that specific analysis.
D	-	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
G	-	The TCLP Matrix Spike recovery was greater than the upper limit of the analytical method.
L	-	The TCLP Matrix Spike recovery was lower than the lower limit of the analytical method.
T	-	This flag is used when the analyte is found in the associated TCLP extraction as well as in the sample.
N	-	Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds, where the identification is based on a mass spectral library search. It is applied to all TIC results.
P	-	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the Form I and flagged with a "P".
A	-	This flag indicates that a TIC is a suspected aldol-condensation product.

INORGANIC DATA COMMENT PAGE

Laboratory Name: Recra Environmental, Inc.

USEPA Defined Inorganic Data Qualifiers:

B	-	**Indicates a value greater than or equal to the instrument detection limit, but less than the contract required detection limit.**
U	-	**Indicates element was analyzed for but not detected. Report with the detection limit value (e.g., 100).**
E	-	**Indicates a value estimated or not reported due to the presence of interference.**
S	-	**Indicates value determined by Method of Standard Addition.**
N	-	**Indicates spike sample recovery is not within control limits.**
*****	-	**Indicates duplicate analysis is not within control limits.**
+	-	**Indicates the correlation coefficient for Method of Standard Addition is less than 0.995.**
M	-	**Indicates duplicate injection results exceeded control limits.**
W	-	**Post digestion spike for Furnace AA analysis is out of control limits (85-115%), while sample absorbance is less than 50% of spike absorbance.**

RECRA
ENVIRONMENTAL
INC.

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

)0017

Client No.

RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: L3951.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
5-09-2	Methylene chloride	1	J
7-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	1	J
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	2	J
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	0.7	J
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-90-7	Chlorobenzene	10	U
00-41-4	Ethyl benzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

.0018

Client N

RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix. (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: L3951.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/9

% Moisture: not dec. _____ Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

Number TICs found: 2 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN CHLOROFLUOROCARBON	4.75	56	J
2. 106-46-7	1,4-DICHLOROBENZENE	28.35	6	JN

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

0019

Client No.
S-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1741.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 49.4 Heated Purge: Y Date Analyzed: 12/10/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	19	U
74-83-9	Bromomethane	19	U
75-01-4	Vinyl chloride	19	U
75-00-3	Chloroethane	19	U
75-09-2	Methylene chloride	19	U
67-64-1	Acetone	19	U
75-15-0	Carbon Disulfide	19	U
75-35-4	1,1-Dichloroethene	19	U
75-34-3	1,1-Dichloroethane	7	J
540-59-0	1,2-Dichloroethene (Total)	100	
67-66-3	Chloroform	19	U
107-06-2	1,2-Dichloroethane	19	U
78-93-3	2-Butanone	19	U
71-55-6	1,1,1-Trichloroethane	24	
56-23-5	Carbon Tetrachloride	19	U
75-27-4	Bromodichloromethane	19	U
78-87-5	1,2-Dichloropropane	19	U
10061-01-5	cis-1,3-Dichloropropene	19	U
79-01-6	Trichloroethene	32	
124-48-1	Dibromochloromethane	19	U
79-00-5	1,1,2-Trichloroethane	19	U
71-43-2	Benzene	19	U
10061-02-6	trans-1,3-Dichloropropene	19	U
75-25-2	Bromoform	19	U
108-10-1	4-Methyl-2-pentanone	19	U
591-78-6	2-Hexanone	19	U
127-18-4	Tetrachloroethene	16	J
108-88-3	Toluene	19	U
79-34-5	1,1,2,2-Tetrachloroethane	19	U
108-90-7	Chlorobenzene	19	U
0-41-4	Ethyl benzene	19	U
100-42-5	Styrene	19	U
1330-20-7	Total Xylenes	19	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

0020

Client
S-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1741.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/9

% Moisture: not dec. 49.4 Date Analyzed: 12/10/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	20.93	98	J
2.	UNKNOWN HYDROCARBON	21.38	130	J
3.	UNKNOWN CYCLIC HYDROCARBON	21.90	96	J
4.	SATURATED HYDROCARBON	22.72	190	J
5.	UNKNOWN HYDROCARBON	22.92	53	J
6.	UNKNOWN	23.05	120	J
7.	UNKNOWN	23.13	150	J
8.	SILOXANE DERIVATIVE	23.27	160	BJ
9.	UNKNOWN	23.63	120	J
10.	UNKNOWN	23.97	60	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

'0021

Client No.
SD-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724206

Sample wt/vol: 5.20 (g/mL) G Lab File ID: G1756.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 75.8 Heated Purge: Y Date Analyzed: 12/14/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	40	U
74-83-9	Bromomethane	40	U
75-01-4	Vinyl chloride	40	U
75-00-3	Chloroethane	40	U
5-09-2	Methylene chloride	40	U
67-64-1	Acetone	40	U
75-15-0	Carbon Disulfide	92	
75-35-4	1,1-Dichloroethene	2	J
75-34-3	1,1-Dichloroethane	40	U
540-59-0	1,2-Dichloroethene (Total)	40	U
67-66-3	Chloroform	40	U
107-06-2	1,2-Dichloroethane	40	U
78-93-3	2-Butanone	40	U
71-55-6	1,1,1-Trichloroethane	40	U
56-23-5	Carbon Tetrachloride	40	U
75-27-4	Bromodichloromethane	40	U
78-87-5	1,2-Dichloropropane	40	U
10061-01-5	cis-1,3-Dichloropropene	40	U
79-01-6	Trichloroethene	40	U
124-48-1	Dibromochloromethane	40	U
79-00-5	1,1,2-Trichloroethane	40	U
71-43-2	Benzene	40	U
10061-02-6	trans-1,3-Dichloropropene	40	U
75-25-2	Bromoform	40	U
08-10-1	4-Methyl-2-pentanone	40	U
91-78-6	2-Hexanone	40	U
27-18-4	Tetrachloroethene	40	U
108-88-3	Toluene	40	U
79-34-5	1,1,2,2-Tetrachloroethane	40	U
08-90-7	Chlorobenzene	40	U
00-41-4	Ethyl benzene	40	U
100-42-5	Styrene	40	U
1330-20-7	Total Xylenes	40	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

:0022

Client No.

SD-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724206

Sample wt/vol: 5.20 (g/mL) G Lab File ID: G1756.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 75.8 Date Analyzed: 12/14/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNSATURATED HYDROCARBON	21.15	52	J
2.	SILOXANE DERIVATIVE	23.32	42	BJ

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

'0024

Client No.

SD-2

:m Environmental Contract: _____

TN Case No.: 5205 SAS No.: _____ SDG No.: S1

./ater) SOIL Lab Sample ID: A4724207

.: 5.00 (g/mL) G Lab File ID: G1743.MSO

v/ed) LOW Date Samp/Recv: 12/08/94 12/09/94

ıot dec. 45.3 Date Analyzed: 12/10/94

3: 24 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

:ound: 8

)	Compound Name	RT	Est. Conc.	Q
	UNKNOWN	21.85	11	J
	UNKNOWN	22.32	79	J
	UNKNOWN	23.03	17	J
	UNKNOWN	23.07	12	J
	SILOXANE DERIVATIVE	23.32	120	BJ
	UNKNOWN	23.72	29	J
	UNKNOWN CYCLIC COMPOUND	24.32	25	J
	UNKNOWN	24.33	23	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

:002

Client :
SD-2 DL

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207DL

Sample wt/vol: 4.02 (g/mL) G Lab File ID: L3960.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/9.

% Moisture: not dec. 45.3 Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL.

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	2300	U
74-83-9	Bromomethane	2300	U
75-01-4	Vinyl chloride	2300	U
75-00-3	Chloroethane	2300	U
75-09-2	Methylene chloride	2300	U
67-64-1	Acetone	2300	U
75-15-0	Carbon Disulfide	2300	U
75-35-4	1,1-Dichloroethene	2300	U
75-34-3	1,1-Dichloroethane	2300	U
540-59-0	1,2-Dichloroethene (Total)	2300	U
67-66-3	Chloroform	10000	D
107-06-2	1,2-Dichloroethane	2300	U
78-93-3	2-Butanone	2300	U
71-55-6	1,1,1-Trichloroethane	2300	U
56-23-5	Carbon Tetrachloride	2300	U
75-27-4	Bromodichloromethane	2300	U
78-87-5	1,2-Dichloropropane	2300	U
10061-01-5	cis-1,3-Dichloropropene	2300	U
79-01-6	Trichloroethene	2300	U
124-48-1	Dibromochloromethane	1100	DJ
79-00-5	1,1,2-Trichloroethane	2300	U
71-43-2	Benzene	2300	U
10061-02-6	trans-1,3-Dichloropropene	2300	U
75-25-2	Bromoform	2300	U
108-10-1	4-Methyl-2-pentanone	2300	U
591-78-6	2-Hexanone	2300	U
127-18-4	Tetrachloroethene	2300	U
108-88-3	Toluene	240	DJ
79-34-5	1,1,2,2-Tetrachloroethane	2300	U
108-90-7	Chlorobenzene	2300	U
100-41-4	Ethyl benzene	2300	U
100-42-5	Styrene	2300	U
1330-20-7	Total Xylenes	2300	U
		2300	U

'002

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.
SD-2 DL

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207DL

Sample wt/vol: 4.02 (g/mL) G Lab File ID: L3960.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 45.3 Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

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

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SATURATED HYDROCARBON	22.83	1600	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

0027

Client: SD-4

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724209

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1742.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/9

% Moisture: not dec. 53.0 Heated Purge: Y Date Analyzed: 12/10/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	21	U
74-83-9	Bromomethane	21	U
75-01-4	Vinyl chloride	21	U
75-00-3	Chloroethane	21	U
75-09-2	Methylene chloride	21	U
67-64-1	Acetone	21	U
75-15-0	Carbon Disulfide	45	
75-35-4	1,1-Dichloroethene	21	U
75-34-3	1,1-Dichloroethane	21	U
540-59-0	1,2-Dichloroethene (Total)	21	U
67-66-3	Chloroform	4	J
107-06-2	1,2-Dichloroethane	21	U
78-93-3	2-Butanone	21	U
71-55-6	1,1,1-Trichloroethane	21	U
56-23-5	Carbon Tetrachloride	21	U
75-27-4	Bromodichloromethane	21	U
78-87-5	1,2-Dichloropropane	21	U
10061-01-5	cis-1,3-Dichloropropene	21	U
79-01-6	Trichloroethene	21	U
124-48-1	Dibromochloromethane	21	U
79-00-5	1,1,2-Trichloroethane	21	U
71-43-2	Benzene	21	U
10061-02-6	trans-1,3-Dichloropropene	21	U
75-25-2	Bromoform	21	U
108-10-1	4-Methyl-2-pentanone	21	U
591-78-6	2-Hexanone	21	U
127-18-4	Tetrachloroethene	21	U
108-88-3	Toluene	21	U
79-34-5	1,1,2,2-Tetrachloroethane	21	U
108-90-7	Chlorobenzene	21	U
100-41-4	Ethyl benzene	21	U
100-42-5	Styrene	21	U
1330-20-7	Total Xylenes	21	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

'0028

Client No.
SD-4

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724209

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1742.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 53.0 Date Analyzed: 12/10/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

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

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	24.02	30	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

'0029
Client :
SF-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724201

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1757.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 10.6 Heated Purge: Y Date Analyzed: 12/14/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	11	U
74-83-9	Bromomethane	11	U
75-01-4	Vinyl chloride	11	U
75-00-3	Chloroethane	11	U
75-09-2	Methylene chloride	11	U
67-64-1	Acetone	11	U
75-15-0	Carbon Disulfide	11	U
75-35-4	1,1-Dichloroethene	11	U
75-34-3	1,1-Dichloroethane	11	U
540-59-0	1,2-Dichloroethene (Total)	66	
67-66-3	Chloroform	11	U
107-06-2	1,2-Dichloroethane	11	U
78-93-3	2-Butanone	11	U
71-55-6	1,1,1-Trichloroethane	11	U
56-23-5	Carbon Tetrachloride	11	U
75-27-4	Bromodichloromethane	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
79-01-6	Trichloroethene	11	U
124-48-1	Dibromochloromethane	10	J
79-00-5	1,1,2-Trichloroethane	11	U
71-43-2	Benzene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-25-2	Bromoform	11	U
108-10-1	4-Methyl-2-pentanone	11	U
591-78-6	2-Hexanone	11	U
127-18-4	Tetrachloroethene	11	U
108-88-3	Toluene	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
108-90-7	Chlorobenzene	11	U
100-41-4	Ethyl benzene	11	U
100-42-5	Styrene	11	U
1330-20-7	Total Xylenes	11	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

Client No.
SF-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724201

Sample wt/vol: 5.10 (g/mL) G Lab File ID: G1757.MSO

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 10.6 Date Analyzed: 12/14/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

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

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SILOXANE DERIVATIVE	23.32	66	BJ

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

0031

Client I
SF-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3955.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 19.7 Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1500	U
74-83-9	Bromomethane	1500	U
75-01-4	Vinyl chloride	1500	U
75-00-3	Chloroethane	1500	U
75-09-2	Methylene chloride	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
75-35-4	1,1-Dichloroethene	1500	U
75-34-3	1,1-Dichloroethane	1500	U
540-59-0	1,2-Dichloroethene (Total)	48000	E
67-66-3	Chloroform	1500	U
107-06-2	1,2-Dichloroethane	1500	U
78-93-3	2-Butanone	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
75-27-4	Bromodichloromethane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
79-01-6	Trichloroethene	1500	U
124-48-1	Dibromochloromethane	2800	
79-00-5	1,1,2-Trichloroethane	1500	U
71-43-2	Benzene	1500	U
10061-02-6	trans-1,3-Dichloropropene	1500	U
75-25-2	Bromoform	1500	U
108-10-1	4-Methyl-2-pentanone	1500	U
591-78-6	2-Hexanone	1500	U
127-18-4	Tetrachloroethene	1500	U
108-88-3	Toluene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	60	J
108-90-7	Chlorobenzene	1500	U
100-41-4	Ethyl benzene	1500	U
100-42-5	Styrene	1500	U
1330-20-7	Total Xylenes	1500	U
		250	BJ

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

'0032

Client No.
SF-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3955.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 19.7 Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		SATURATED HYDROCARBON	19.95	2300	J
2.		PAH DERIVATIVE	21.62	1300	J
3.		SATURATED HYDROCARBON	21.77	2400	J
4.		ALKYL BENZENE COMPOUND	22.05	1200	J
5.		UNKNOWN	22.37	1200	J
6.		CYCLOHEXANE DERIVATIVE	22.70	1100	J
7.		CYCLOHEXANE DERIVATIVE	22.92	1900	J
8.		UNKNOWN	23.42	1600	J
9.		SATURATED HYDROCARBON	23.50	1800	J
10.		ALKYL BENZENE COMPOUND	23.77	2200	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

)003:

Client ..
SF-2 DL

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202DL

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3965.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/9

% Moisture: not dec. 19.7 Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	3100	U
74-83-9	Bromomethane	3100	U
75-01-4	Vinyl chloride	3100	U
75-00-3	Chloroethane	3100	U
75-09-2	Methylene chloride	3100	U
67-64-1	Acetone	3100	U
75-15-0	Carbon Disulfide	3100	U
75-35-4	1,1-Dichloroethene	3100	U
75-34-3	1,1-Dichloroethane	3100	U
540-59-0	1,2-Dichloroethene (Total)	3100	U
67-66-3	Chloroform	51000	D
107-06-2	1,2-Dichloroethane	3100	U
78-93-3	2-Butanone	3100	U
71-55-6	1,1,1-Trichloroethane	3100	U
56-23-5	Carbon Tetrachloride	3100	U
75-27-4	Bromodichloromethane	3100	U
78-87-5	1,2-Dichloropropane	3100	U
10061-01-5	cis-1,3-Dichloropropene	3100	U
79-01-6	Trichloroethene	3100	U
124-48-1	Dibromochloromethane	2900	DJ
79-00-5	1,1,2-Trichloroethane	3100	U
71-43-2	Benzene	3100	U
10061-02-6	trans-1,3-Dichloropropene	3100	U
75-25-2	Bromoform	3100	U
108-10-1	4-Methyl-2-pentanone	3100	U
591-78-6	2-Hexanone	3100	U
127-18-4	Tetrachloroethene	3100	U
108-88-3	Toluene	3100	U
79-34-5	1,1,2,2-Tetrachloroethane	3100	U
108-90-7	Chlorobenzene	3100	U
100-41-4	Ethyl benzene	3100	U
100-42-5	Styrene	3100	U
1330-20-7	Total Xylenes	210	BDJ

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

)0034

Client No.

SF-2 DL

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202DL

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3965.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 19.7 Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10 CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	19.97	2500	J
2.	SATURATED HYDROCARBON	22.40	3100	J
3.	UNKNOWN	22.62	2400	J
4.	CYCLOHEXANE DERIVATIVE	22.72	3100	J
5.	UNKNOWN	22.95	3800	J
6.	UNKNOWN	23.22	2900	J
7.	SATURATED HYDROCARBON	23.43	2400	J
8.	UNKNOWN	23.52	2500	J
9.	UNKNOWN	23.77	3500	J
10.	UNKNOWN	23.97	2500	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

1003

Client :

SF-2 FD

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FD

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3956.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/9

% Moisture: not dec. 19.7 Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	1500	U
74-83-9	Bromomethane	1500	U
75-01-4	Vinyl chloride	1500	U
75-00-3	Chloroethane	1500	U
75-09-2	Methylene chloride	1500	U
67-64-1	Acetone	1500	U
75-15-0	Carbon Disulfide	1500	U
75-35-4	1,1-Dichloroethene	1500	U
75-34-3	1,1-Dichloroethane	1500	U
540-59-0	1,2-Dichloroethene (Total)	1500	U
67-66-3	Chloroform	47000	E
107-06-2	1,2-Dichloroethane	1500	U
78-93-3	2-Butanone	1500	U
71-55-6	1,1,1-Trichloroethane	1500	U
56-23-5	Carbon Tetrachloride	1500	U
75-27-4	Bromodichloromethane	1500	U
78-87-5	1,2-Dichloropropane	1500	U
10061-01-5	cis-1,3-Dichloropropene	1500	U
79-01-6	Trichloroethene	1500	U
124-48-1	Dibromochloromethane	2800	
79-00-5	1,1,2-Trichloroethane	1500	U
71-43-2	Benzene	1500	U
10061-02-6	trans-1,3-Dichloropropene	1500	U
75-25-2	Bromoform	1500	U
108-10-1	4-Methyl-2-pentanone	1500	U
591-78-6	2-Hexanone	1500	U
127-18-4	Tetrachloroethene	1500	U
108-88-3	Toluene	1500	U
79-34-5	1,1,2,2-Tetrachloroethane	65	J
108-90-7	Chlorobenzene	1500	U
100-41-4	Ethyl benzene	1500	U
100-42-5	Styrene	1500	U
1330-20-7	Total Xylenes	1500	U
		260	BJ

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

)003(

Client No.

SF-2 FD

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FD

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3956.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 19.7 Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SATURATED HYDROCARBON	17.92	2000	J
2.	SATURATED HYDROCARBON	19.97	2900	J
3.	PAH DERIVATIVE	21.62	1600	J
4.	SATURATED HYDROCARBON	21.77	2600	J
5.	ALKYL BENZENE COMPOUND	22.05	1600	J
6.	UNKNOWN	22.38	1900	J
7.	UNKNOWN	22.93	2600	J
8.	SATURATED HYDROCARBON	23.42	1800	J
9.	UNKNOWN AROMATIC DERIVATIVE	23.52	1800	J
10.	UNKNOWN	70.12	2200	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

'0037

Client :
SF-2 FDDL

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FZ

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3966.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 19.7 Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
74-87-3	Chloromethane	3100	U
74-83-9	Bromomethane	3100	U
75-01-4	Vinyl chloride	3100	U
75-00-3	Chloroethane	3100	U
75-09-2	Methylene chloride	3100	U
67-64-1	Acetone	3100	U
75-15-0	Carbon Disulfide	3100	U
75-35-4	1,1-Dichloroethene	3100	U
75-34-3	1,1-Dichloroethane	3100	U
540-59-0	1,2-Dichloroethene (Total)	3100	U
67-66-3	Chloroform	54000	D
107-06-2	1,2-Dichloroethane	3100	U
78-93-3	2-Butanone	3100	U
71-55-6	1,1,1-Trichloroethane	3100	U
56-23-5	Carbon Tetrachloride	3100	U
75-27-4	Bromodichloromethane	3100	U
78-87-5	1,2-Dichloropropane	3100	U
10061-01-5	cis-1,3-Dichloropropene	3100	U
79-01-6	Trichloroethene	3100	U
124-48-1	Dibromochloromethane	3000	DJ
79-00-5	1,1,2-Trichloroethane	3100	U
71-43-2	Benzene	3100	U
10061-02-6	trans-1,3-Dichloropropene	3100	U
75-25-2	Bromoform	3100	U
108-10-1	4-Methyl-2-pentanone	3100	U
591-78-6	2-Hexanone	3100	U
127-18-4	Tetrachloroethene	3100	U
108-88-3	Toluene	3100	U
79-34-5	1,1,2,2-Tetrachloroethane	3100	U
108-90-7	Chlorobenzene	3100	U
100-41-4	Ethyl benzene	3100	U
100-42-5	Styrene	3100	U
1330-20-7	Total Xylenes	200	BDJ

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

'0038

Client No.

SF-2 FDDL

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FZ

Sample wt/vol: 4.06 (g/mL) G Lab File ID: L3966.RR

Level: (low/med) MED Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 19.7 Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 2.00

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100.00 (uL)

Number TICs found: 10

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN HYDROCARBON	17.88	2300	J
2.	SATURATED HYDROCARBON	19.95	2700	J
3.	HYDROCARBON/BENZ DERIV. MIX	22.05	2700	J
4.	SILOXANE DERIVATIVE	22.38	4600	J
5.	PAH DERIVATIVE	22.60	2500	J
6.	HYDROCARBON/BENZ DERIV. MIX	22.85	2800	J
7.	UNKNOWN	22.93	3900	J
8.	SATURATED HYDROCARBON	23.42	2800	J
9.	ALKYL BENZENE COMPOUND	23.50	2700	J
10.	UNKNOWN	23.77	4100	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

:0039

Client No.

SW-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: L3954.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 10.00

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
74-87-3	Chloromethane	100	U
74-83-9	Bromomethane	100	U
75-01-4	Vinyl chloride	12	J
75-00-3	Chloroethane	100	U
75-09-2	Methylene chloride	100	U
67-64-1	Acetone	100	U
75-15-0	Carbon Disulfide	100	U
75-35-4	1,1-Dichloroethene	100	U
75-34-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (Total)	1700	
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	100	U
78-93-3	2-Butanone	100	U
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	100	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	14	J
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	trans-1,3-Dichloropropene	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-pentanone	100	U
591-78-6	2-Hexanone	100	U
127-18-4	Tetrachloroethene	100	U
108-88-3	Toluene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-90-7	Chlorobenzene	100	U
100-41-4	Ethyl benzene	100	U
100-42-5	Styrene	100	U
1330-20-7	Total Xylenes	100	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

)0040

Client No.

SW-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725005

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: L3954.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. _____ Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 10.00

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

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
ANALYSIS DATA SHEET

'0041

Client :

TB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: L3950.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. _____ Heated Purge: N Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
74-87-3	Chloromethane	10	U
74-83-9	Bromomethane	10	U
75-01-4	Vinyl chloride	10	U
75-00-3	Chloroethane	10	U
75-09-2	Methylene chloride	10	U
67-64-1	Acetone	10	U
75-15-0	Carbon Disulfide	10	U
75-35-4	1,1-Dichloroethene	10	U
75-34-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (Total)	10	U
67-66-3	Chloroform	0.5	J
107-06-2	1,2-Dichloroethane	10	U
78-93-3	2-Butanone	10	U
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
75-27-4	Bromodichloromethane	0.4	J
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	10	U
124-48-1	Dibromochloromethane	2	J
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-pentanone	10	U
591-78-6	2-Hexanone	10	U
127-18-4	Tetrachloroethene	10	U
108-88-3	Toluene	10	U
79-34-5	1,1,2,2-Tetrachloroethane	0.4	J
108-90-7	Chlorobenzene	10	U
100-41-4	Ethyl benzene	10	U
100-42-5	Styrene	10	U
1330-20-7	Total Xylenes	10	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8240 - TCL VOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

0042

Client No.

TB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: L3950.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. _____ Date Analyzed: 12/12/94

GC Column: DB-624 ID: 0.53 (mm) Dilution Factor: 1.00

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

Number TICs found: 2

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1. 075-69-4	TRICHLOROFLUOROMETHANE	4.25	10	JN
2. 106-46-7	1,4-DICHLOROBENZENE	21.08	6	JN

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0043

Client No.

RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 610.00 (g/mL) ML Lab File ID: 22036Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	16	U
111-44-4	Bis(2-chloroethyl) ether	16	U
95-57-8	2-Chlorophenol	16	U
541-73-1	1,3-Dichlorobenzene	16	U
106-46-7	1,4-Dichlorobenzene	16	U
95-50-1	1,2-Dichlorobenzene	16	U
95-48-7	2-Methylphenol	16	U
108-60-1	Bis(2-chloroisopropyl) ether	16	U
106-44-5	4-Methylphenol	16	U
621-64-7	N-Nitroso-Di-n-propylamine	16	U
67-72-1	Hexachloroethane	16	U
98-95-3	Nitrobenzene	16	U
78-59-1	Isophorone	16	U
88-75-5	2-Nitrophenol	16	U
105-67-9	2,4-Dimethylphenol	16	U
111-91-1	Bis(2-chloroethoxy) methane	16	U
120-83-2	2,4-Dichlorophenol	16	U
120-82-1	1,2,4-Trichlorobenzene	16	U
91-20-3	Naphthalene	16	U
106-47-8	4-Chloroaniline	16	U
87-68-3	Hexachlorobutadiene	16	U
59-50-7	4-Chloro-3-methylphenol	16	U
91-57-6	2-Methylnaphthalene	16	U
77-47-4	Hexachlorocyclopentadiene	16	U
88-06-2	2,4,6-Trichlorophenol	16	U
95-95-4	2,4,5-Trichlorophenol	16	U
91-58-7	2-Chloronaphthalene	16	U
88-74-4	2-Nitroaniline	16	U
131-11-3	Dimethyl phthalate	41	U
208-96-8	Acenaphthylene	16	U
606-20-2	2,6-Dinitrotoluene	16	U
99-09-2	3-Nitroaniline	16	U
		41	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

0044

Client No.

RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 610.00 (g/mL) ML Lab File ID: 22036Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	16	U
51-28-5	2,4-Dinitrophenol	41	U
100-02-7	4-Nitrophenol	41	U
132-64-9	Dibenzofuran	16	U
121-14-2	2,4-Dinitrotoluene	16	U
84-66-2	Diethyl phthalate	16	U
7005-72-3	4-Chlorodiphenylether	16	U
86-73-7	Fluorene	16	U
100-01-6	4-Nitroaniline	41	U
534-52-1	4,6-Dinitro-2-methylphenol	41	U
86-30-6	N-nitrosodiphenylamine	16	U
101-55-3	4-Bromophenyl phenyl ether	16	U
118-74-1	Hexachlorobenzene	16	U
87-86-5	Pentachlorophenol	41	U
85-01-8	Phenanthrene	16	U
120-12-7	Anthracene	16	U
84-74-2	Di-n-butyl phthalate	1	BJ
206-44-0	Fluoranthene	16	U
129-00-0	Pyrene	16	U
85-68-7	Butyl benzyl phthalate	16	U
91-94-1	3,3'-Dichlorobenzidine	33	U
56-55-3	Benzo(a)anthracene	16	U
218-01-9	Chrysene	16	U
117-81-7	Bis(2-ethylhexyl) phthalate	16	U
117-84-0	Di-n-octyl phthalate	16	U
205-99-2	Benzo(b)fluoranthene	16	U
207-08-9	Benzo(k)fluoranthene	16	U
50-32-8	Benzo(a)pyrene	16	U
193-39-5	Indeno(1,2,3-cd)pyrene	16	U
53-70-3	Dibenzo(a,h)anthracene	16	U
191-24-2	Benzo(ghi)perylene	16	U
100-51-6	Benzyl alcohol	16	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0045

Client No
RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 610.00 (g/mL) ML Lab File ID: 22036Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	16	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

0046

Client No.

RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 610.00 (g/mL) ML Lab File ID: 22036Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

0047

Client No.
S-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22241Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	650	U
111-44-4	Bis(2-chloroethyl) ether	650	U
95-57-8	2-Chlorophenol	650	U
541-73-1	1,3-Dichlorobenzene	650	U
106-46-7	1,4-Dichlorobenzene	650	U
95-50-1	1,2-Dichlorobenzene	650	U
95-48-7	2-Methylphenol	650	U
108-60-1	Bis(2-chloroisopropyl) ether	650	U
106-44-5	4-Methylphenol	650	U
621-64-7	N-Nitroso-Di-n-propylamine	650	U
67-72-1	Hexachloroethane	650	U
98-95-3	Nitrobenzene	650	U
78-59-1	Isophorone	650	U
88-75-5	2-Nitrophenol	650	U
105-67-9	2,4-Dimethylphenol	650	U
111-91-1	Bis(2-chloroethoxy) methane	650	U
120-83-2	2,4-Dichlorophenol	650	U
120-82-1	1,2,4-Trichlorobenzene	650	U
91-20-3	Naphthalene	650	U
106-47-8	4-Chloroaniline	650	U
87-68-3	Hexachlorobutadiene	650	U
59-50-7	4-Chloro-3-methylphenol	650	U
91-57-6	2-Methylnaphthalene	650	U
77-47-4	Hexachlorocyclopentadiene	650	U
88-06-2	2,4,6-Trichlorophenol	650	U
95-95-4	2,4,5-Trichlorophenol	650	U
91-58-7	2-Chloronaphthalene	650	U
88-74-4	2-Nitroaniline	650	U
131-11-3	Dimethyl phthalate	1600	U
208-96-8	Acenaphthylene	650	U
606-20-2	2,6-Dinitrotoluene	650	U
99-09-2	3-Nitroaniline	650	U
		1600	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0048

Client No.
S-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22241Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	650	U
51-28-5	2,4-Dinitrophenol	1600	U
100-02-7	4-Nitrophenol	1600	U
132-64-9	Dibenzofuran	650	U
121-14-2	2,4-Dinitrotoluene	650	U
84-66-2	Diethyl phthalate	650	U
7005-72-3	4-Chlorodiphenylether	650	U
86-73-7	Fluorene	650	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-nitrosodiphenylamine	650	U
101-55-3	4-Bromophenyl phenyl ether	650	U
118-74-1	Hexachlorobenzene	650	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	650	U
120-12-7	Anthracene	650	U
84-74-2	Di-n-butyl phthalate	650	U
206-44-0	Fluoranthene	650	U
129-00-0	Pyrene	650	U
85-68-7	Butyl benzyl phthalate	650	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)anthracene	650	U
218-01-9	Chrysene	650	U
117-81-7	Bis(2-ethylhexyl) phthalate	650	U
117-84-0	Di-n-octyl phthalate	650	U
205-99-2	Benzo(b)fluoranthene	650	U
207-08-9	Benzo(k)fluoranthene	650	U
0-32-8	Benzo(a)pyrene	650	U
193-39-5	Indeno(1,2,3-cd)pyrene	650	U
53-70-3	Dibenzo(a,h)anthracene	650	U
191-24-2	Benzo(ghi)perylene	650	U
100-51-6	Benzyl alcohol	650	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'004:

Client ID
S-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22241Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	650	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

0050

Client No.

S-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22241Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 18

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SUSPECTED ALDOL COND PRODUCT	3.36	6900	ABJ
2.	UNKNOWN	5.44	950	J
3.	UNKNOWN	10.75	940	J
4.	UNKNOWN	11.88	5400	J
5.	UNKNOWN	12.93	27000	J
6.	UNKNOWN	13.34	20000	J
7.	UNKNOWN	18.35	1000	J
8.	UNKNOWN	19.08	1600	J
9.	UNKNOWN	19.29	1600	J
10.	UNKNOWN	19.52	1400	J
11.	UNKNOWN	19.57	5000	J
12.	UNKNOWN	19.71	2100	J
13.	UNKNOWN	19.79	6200	J
14.	UNKNOWN	19.90	2500	J
15.	UNKNOWN	20.04	1800	J
16.	UNKNOWN	20.33	600	J
17.	UNKNOWN	20.70	1100	J
18.	UNKNOWN	21.19	1200	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

0051
Client No.

S-1 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210RI

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22309Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	650	U
111-44-4	Bis(2-chloroethyl) ether	650	U
95-57-8	2-Chlorophenol	650	U
541-73-1	1,3-Dichlorobenzene	650	U
106-46-7	1,4-Dichlorobenzene	650	U
95-50-1	1,2-Dichlorobenzene	650	U
95-48-7	2-Methylphenol	650	U
108-60-1	Bis(2-chloroisopropyl) ether	650	U
106-44-5	4-Methylphenol	650	U
621-64-7	N-Nitroso-Di-n-propylamine	650	U
67-72-1	Hexachloroethane	650	U
98-95-3	Nitrobenzene	650	U
78-59-1	Isophorone	650	U
88-75-5	2-Nitrophenol	650	U
105-67-9	2,4-Dimethylphenol	650	U
111-91-1	Bis(2-chloroethoxy) methane	650	U
120-83-2	2,4-Dichlorophenol	650	U
120-82-1	1,2,4-Trichlorobenzene	650	U
91-20-3	Naphthalene	650	U
106-47-8	4-Chloroaniline	650	U
87-68-3	Hexachlorobutadiene	650	U
59-50-7	4-Chloro-3-methylphenol	650	U
91-57-6	2-Methylnaphthalene	650	U
77-47-4	Hexachlorocyclopentadiene	650	U
88-06-2	2,4,6-Trichlorophenol	650	U
95-95-4	2,4,5-Trichlorophenol	650	U
91-58-7	2-Chloronaphthalene	650	U
88-74-4	2-Nitroaniline	1600	U
131-11-3	Dimethyl phthalate	650	U
208-96-8	Acenaphthylene	650	U
606-20-2	2,6-Dinitrotoluene	650	U
99-09-2	3-Nitroaniline	1600	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0052
Client No.
S-1 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210RI

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22309Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	650	U
[illegible]-28-5	2,4-Dinitrophenol	1600	U
[illegible]00-02-7	4-Nitrophenol	1600	U
[illegible]32-64-9	Dibenzofuran	650	U
[illegible]21-14-2	2,4-Dinitrotoluene	650	U
84-66-2	Diethyl phthalate	650	U
7005-72-3	4-Chlorodiphenylether	650	U
86-73-7	Fluorene	650	U
100-01-6	4-Nitroaniline	1600	U
534-52-1	4,6-Dinitro-2-methylphenol	1600	U
86-30-6	N-nitrosodiphenylamine	650	U
101-55-3	4-Bromophenyl phenyl ether	650	U
118-74-1	Hexachlorobenzene	650	U
87-86-5	Pentachlorophenol	1600	U
85-01-8	Phenanthrene	650	U
120-12-7	Anthracene	650	U
84-74-2	Di-n-butyl phthalate	650	U
206-44-0	Fluoranthene	650	U
129-00-0	Pyrene	650	U
85-68-7	Butyl benzyl phthalate	650	U
91-94-1	3,3'-Dichlorobenzidine	1300	U
56-55-3	Benzo(a)anthracene	650	U
218-01-9	Chrysene	650	U
117-81-7	Bis(2-ethylhexyl) phthalate	650	U
117-84-0	Di-n-octyl phthalate	650	U
205-99-2	Benzo(b)fluoranthene	650	U
207-08-9	Benzo(k)fluoranthene	650	U
[illegible]-32-8	Benzo(a)pyrene	650	U
[illegible]93-39-5	Indeno(1,2,3-cd)pyrene	650	U
53-70-3	Dibenzo(a,h)anthracene	650	U
191-24-2	Benzo(ghi)perylene	650	U
100-51-6	Benzyl alcohol	650	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

0053

Client N

S-1 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210RI

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22309Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	650	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

:0054

Client No.

S-1 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210RI

Sample wt/vol: 30.44 (g/mL) G Lab File ID: 22309Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 50.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 7.4

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SUSPECTED ALDOL COND PRODUCT	3.07	14000	AJ
2.	UNKNOWN	5.61	2100	J
3.	UNKNOWN	10.49	12000	J
4.	UNKNOWN	10.80	1900	J
5.	UNKNOWN	11.52	1800	J
6.	UNKNOWN	11.94	8000	J
7.	UNKNOWN	12.56	13000	J
8.	UNKNOWN	13.70	120000	J
9.	UNKNOWN	17.54	1600	J
10.	UNKNOWN	18.52	1800	J
11.	UNKNOWN	19.33	4000	J
12.	UNKNOWN	19.39	5100	J
13.	UNKNOWN	19.51	4400	J
14.	UNKNOWN	19.55	7400	J
15.	UNKNOWN	19.72	4800	J
16.	UNKNOWN	19.81	7600	J
17.	UNKNOWN	20.28	4700	J
18.	UNKNOWN	20.49	24000	J
19.	UNKNOWN	20.93	38000	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

005

Client No.
SD-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724206

Sample wt/vol: 30.13 (g/mL) G Lab File ID: 22307Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 78.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	1500	U
111-44-4	Bis(2-chloroethyl) ether	1500	U
95-57-8	2-Chlorophenol	1500	U
541-73-1	1,3-Dichlorobenzene	1500	U
106-46-7	1,4-Dichlorobenzene	1500	U
95-50-1	1,2-Dichlorobenzene	1500	U
95-48-7	2-Methylphenol	1500	U
108-60-1	Bis(2-chloroisopropyl) ether	1500	U
106-44-5	4-Methylphenol	1500	U
621-64-7	N-Nitroso-Di-n-propylamine	1500	U
67-72-1	Hexachloroethane	1500	U
98-95-3	Nitrobenzene	1500	U
78-59-1	Isophorone	1500	U
88-75-5	2-Nitrophenol	1500	U
105-67-9	2,4-Dimethylphenol	1500	U
111-91-1	Bis(2-chloroethoxy) methane	1500	U
120-83-2	2,4-Dichlorophenol	1500	U
120-82-1	1,2,4-Trichlorobenzene	1500	U
91-20-3	Naphthalene	1500	U
106-47-8	4-Chloroaniline	1500	U
87-68-3	Hexachlorobutadiene	1500	U
59-50-7	4-Chloro-3-methylphenol	1500	U
91-57-6	2-Methylnaphthalene	1500	U
77-47-4	Hexachlorocyclopentadiene	1500	U
88-06-2	2,4,6-Trichlorophenol	1500	U
95-95-4	2,4,5-Trichlorophenol	1500	U
91-58-7	2-Chloronaphthalene	1500	U
88-74-4	2-Nitroaniline	3700	U
131-11-3	Dimethyl phthalate	1500	U
208-96-8	Acenaphthylene	1500	U
606-20-2	2,6-Dinitrotoluene	1500	U
99-09-2	3-Nitroaniline	3700	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0056

Client No.

SD-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724206

Sample wt/vol: 30.13 (g/mL) G Lab File ID: 22307Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 78.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	1500	U
51-28-5	2,4-Dinitrophenol	3700	U
00-02-7	4-Nitrophenol	3700	U
132-64-9	Dibenzofuran	1500	U
121-14-2	2,4-Dinitrotoluene	1500	U
84-66-2	Diethyl phthalate	1500	U
7005-72-3	4-Chlorodiphenylether	1500	U
86-73-7	Fluorene	1500	U
100-01-6	4-Nitroaniline	3700	U
534-52-1	4,6-Dinitro-2-methylphenol	3700	U
86-30-6	N-nitrosodiphenylamine	1500	U
101-55-3	4-Bromophenyl phenyl ether	1500	U
118-74-1	Hexachlorobenzene	1500	U
87-86-5	Pentachlorophenol	3700	U
85-01-8	Phenanthrene	220	J
120-12-7	Anthracene	55	J
84-74-2	Di-n-butyl phthalate	1500	U
206-44-0	Fluoranthene	260	J
129-00-0	Pyrene	420	J
85-68-7	Butyl benzyl phthalate	1500	U
91-94-1	3,3'-Dichlorobenzidine	3000	U
56-55-3	Benzo(a)anthracene	160	J
218-01-9	Chrysene	200	J
117-81-7	Bis(2-ethylhexyl) phthalate	1500	U
117-84-0	Di-n-octyl phthalate	1500	U
205-99-2	Benzo(b)fluoranthene	240	J
207-08-9	Benzo(k)fluoranthene	110	J
50-32-8	Benzo(a)pyrene	1500	U
193-39-5	Indeno(1,2,3-cd)pyrene	1500	U
53-70-3	Dibenzo(a,h)anthracene	1500	U
191-24-2	Benzo(ghi)perylene	1500	U
100-51-6	Benzyl alcohol	1500	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'00C

Client :

SD-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724206

Sample wt/vol: 30.13 (g/mL) G Lab File ID: 22307Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/9

% Moisture: 78.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	1500	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

00058

Client No.
SD-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724206

Sample wt/vol: 30.13 (g/mL) G Lab File ID: 22307Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 78.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	1.80	3500	J
2.	SUSPECTED ALDOL COND PRODUCT	3.09	63000	AJ
3.	UNKNOWN	17.18	4100	J
4.	UNKNOWN	17.52	6900	J
5.	UNKNOWN ALKANE	18.39	4400	J
6.	UNKNOWN	18.67	3400	J
7.	UNKNOWN	19.35	5900	J
8.	UNKNOWN	19.54	3500	J
9.	UNKNOWN	19.80	3500	J
10.	UNKNOWN	20.05	5800	J
11.	UNKNOWN ALKANE	20.12	12000	J
12.	UNKNOWN	20.34	3400	J
13.	UNKNOWN	20.52	7000	J
14.	UNKNOWN	20.96	3900	J
15.	UNKNOWN	21.13	8800	J
16.	UNKNOWN ALKANE	21.30	4400	J
17.	UNKNOWN	21.45	5000	J
18.	UNKNOWN	21.61	27000	J
19.	UNKNOWN	21.86	5200	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0059

Client No.

SD-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22240Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	540	U
111-44-4	Bis(2-chloroethyl) ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
95-50-1	1,2-Dichlorobenzene	540	U
95-48-7	2-Methylphenol	540	U
108-60-1	Bis(2-chloroisopropyl) ether	540	U
106-44-5	4-Methylphenol	540	U
621-64-7	N-Nitroso-Di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	Bis(2-chloroethoxy) methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
95-95-4	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethyl phthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	1300	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

)0060

Client No.

SD-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22240Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
51-28-5	2,4-Dinitrophenol	1300	U
00-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethyl phthalate	540	U
7005-72-3	4-Chlorodiphenylether	540	U
86-73-7	Fluorene	540	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-nitrosodiphenylamine	540	U
101-55-3	4-Bromophenyl phenyl ether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Di-n-butyl phthalate	540	U
206-44-0	Fluoranthene	540	U
129-00-0	Pyrene	540	U
85-68-7	Butyl benzyl phthalate	540	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	540	U
218-01-9	Chrysene	540	U
117-81-7	Bis(2-ethylhexyl) phthalate	540	U
117-84-0	Di-n-octyl phthalate	540	U
205-99-2	Benzo(b)fluoranthene	540	U
207-08-9	Benzo(k)fluoranthene	540	U
7-32-8	Benzo(a)pyrene	540	U
93-39-5	Indeno(1,2,3-cd)pyrene	540	U
53-70-3	Dibenzo(a,h)anthracene	540	U
191-24-2	Benzo(ghi)perylene	540	U
100-51-6	Benzyl alcohol	540	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

)0061

Client No.

SD-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22240Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	540	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

'0062

Client No.

SD-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22240Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 1

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	12.64	1100	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

)0063

Client N

SD-2 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207RI

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22308Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	540	U
111-44-4	Bis(2-chloroethyl) ether	540	U
95-57-8	2-Chlorophenol	540	U
541-73-1	1,3-Dichlorobenzene	540	U
106-46-7	1,4-Dichlorobenzene	540	U
95-50-1	1,2-Dichlorobenzene	540	U
95-48-7	2-Methylphenol	540	U
108-60-1	Bis(2-chloroisopropyl) ether	540	U
106-44-5	4-Methylphenol	540	U
621-64-7	N-Nitroso-Di-n-propylamine	540	U
67-72-1	Hexachloroethane	540	U
98-95-3	Nitrobenzene	540	U
78-59-1	Isophorone	540	U
88-75-5	2-Nitrophenol	540	U
105-67-9	2,4-Dimethylphenol	540	U
111-91-1	Bis(2-chloroethoxy) methane	540	U
120-83-2	2,4-Dichlorophenol	540	U
120-82-1	1,2,4-Trichlorobenzene	540	U
91-20-3	Naphthalene	540	U
106-47-8	4-Chloroaniline	540	U
87-68-3	Hexachlorobutadiene	540	U
59-50-7	4-Chloro-3-methylphenol	540	U
91-57-6	2-Methylnaphthalene	540	U
77-47-4	Hexachlorocyclopentadiene	540	U
88-06-2	2,4,6-Trichlorophenol	540	U
95-95-4	2,4,5-Trichlorophenol	540	U
91-58-7	2-Chloronaphthalene	540	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethyl phthalate	540	U
208-96-8	Acenaphthylene	540	U
606-20-2	2,6-Dinitrotoluene	540	U
99-09-2	3-Nitroaniline	1300	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

:0064

Client No

SD-2 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207RI

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22308Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	540	U
1-28-5	2,4-Dinitrophenol	1300	U
00-02-7	4-Nitrophenol	1300	U
132-64-9	Dibenzofuran	540	U
121-14-2	2,4-Dinitrotoluene	540	U
84-66-2	Diethyl phthalate	540	U
7005-72-3	4-Chlorodiphenylether	540	U
86-73-7	Fluorene	540	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	4,6-Dinitro-2-methylphenol	1300	U
86-30-6	N-nitrosodiphenylamine	540	U
101-55-3	4-Bromophenyl phenyl ether	540	U
118-74-1	Hexachlorobenzene	540	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	540	U
120-12-7	Anthracene	540	U
84-74-2	Di-n-butyl phthalate	540	U
206-44-0	Fluoranthene	540	U
129-00-0	Pyrene	540	U
85-68-7	Butyl benzyl phthalate	540	U
91-94-1	3,3'-Dichlorobenzidine	1100	U
56-55-3	Benzo(a)anthracene	540	U
218-01-9	Chrysene	540	U
117-81-7	Bis(2-ethylhexyl) phthalate	540	U
117-84-0	Di-n-octyl phthalate	540	U
205-99-2	Benzo(b)fluoranthene	540	U
207-08-9	Benzo(k)fluoranthene	540	U
0-32-8	Benzo(a)pyrene	540	U
193-39-5	Indeno(1,2,3-cd)pyrene	540	U
53-70-3	Dibenzo(a,h)anthracene	540	U
191-24-2	Benzo(ghi)perylene	540	U
100-51-6	Benzyl alcohol	540	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

)0065

Client No

SD-2 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207RI

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22308Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	540	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

'0066

Client No
SD-2 RE

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207RI

Sample wt/vol: 30.20 (g/mL) G Lab File ID: 22308Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 39.0 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 01/05/95

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SUSPECTED ALDOL COND PRODUCT	3.05	17000	AJ
2.	UNKNOWN	6.65	1000	J
3.	UNKNOWN	6.81	420	J
4.	UNKNOWN	7.17	360	J
5.	UNKNOWN	19.72	370	J
6.	UNKNOWN	19.85	680	J
7.	UNKNOWN	20.13	440	J
8.	UNKNOWN	20.28	680	J
9.	UNKNOWN	20.50	2300	J
10.	UNKNOWN	20.93	1300	J
11.	UNKNOWN	21.13	570	J
12.	UNKNOWN	21.53	230	J
13.	UNKNOWN	21.70	200	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

0067
Client No.
SF-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724201

Sample wt/vol: 30.30 (g/mL) G Lab File ID: 22231Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 13.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	380	U
111-44-4	Bis(2-chloroethyl) ether	380	U
95-57-8	2-Chlorophenol	380	U
541-73-1	1,3-Dichlorobenzene	380	U
106-46-7	1,4-Dichlorobenzene	380	U
95-50-1	1,2-Dichlorobenzene	380	U
95-48-7	2-Methylphenol	380	U
108-60-1	Bis(2-chloroisopropyl) ether	380	U
106-44-5	4-Methylphenol	380	U
621-64-7	N-Nitroso-Di-n-propylamine	380	U
67-72-1	Hexachloroethane	380	U
98-95-3	Nitrobenzene	380	U
78-59-1	Isophorone	380	U
88-75-5	2-Nitrophenol	380	U
105-67-9	2,4-Dimethylphenol	380	U
111-91-1	Bis(2-chloroethoxy) methane	380	U
120-83-2	2,4-Dichlorophenol	380	U
120-82-1	1,2,4-Trichlorobenzene	380	U
91-20-3	Naphthalene	380	U
106-47-8	4-Chloroaniline	380	U
87-68-3	Hexachlorobutadiene	380	U
59-50-7	4-Chloro-3-methylphenol	380	U
91-57-6	2-Methylnaphthalene	380	U
77-47-4	Hexachlorocyclopentadiene	380	U
88-06-2	2,4,6-Trichlorophenol	380	U
95-95-4	2,4,5-Trichlorophenol	380	U
91-58-7	2-Chloronaphthalene	380	U
88-74-4	2-Nitroaniline	910	U
131-11-3	Dimethyl phthalate	380	U
208-96-8	Acenaphthylene	17	J
606-20-2	2,6-Dinitrotoluene	380	U
99-09-2	3-Nitroaniline	910	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

:0068

Client No.

SF-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724201

Sample wt/vol: 30.30 (g/mL) G Lab File ID: 22231Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 13.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	380	U
1-28-5	2,4-Dinitrophenol	910	U
00-02-7	4-Nitrophenol	910	U
132-64-9	Dibenzofuran	380	U
121-14-2	2,4-Dinitrotoluene	380	U
84-66-2	Diethyl phthalate	380	U
7005-72-3	4-Chlorodiphenylether	380	U
86-73-7	Fluorene	380	U
100-01-6	4-Nitroaniline	910	U
534-52-1	4,6-Dinitro-2-methylphenol	910	U
86-30-6	N-nitrosodiphenylamine	380	U
101-55-3	4-Bromophenyl phenyl ether	380	U
118-74-1	Hexachlorobenzene	380	U
87-86-5	Pentachlorophenol	910	U
85-01-8	Phenanthrene	53	J
120-12-7	Anthracene	380	U
84-74-2	Di-n-butyl phthalate	380	U
206-44-0	Fluoranthene	560	
129-00-0	Pyrene	1000	
85-68-7	Butyl benzyl phthalate	380	U
91-94-1	3,3'-Dichlorobenzidine	750	U
56-55-3	Benzo(a)anthracene	700	
218-01-9	Chrysene	680	
117-81-7	Bis(2-ethylhexyl) phthalate	380	U
117-84-0	Di-n-octyl phthalate	380	U
205-99-2	Benzo(b)fluoranthene	1000	
207-08-9	Benzo(k)fluoranthene	330	J
0-32-8	Benzo(a)pyrene	670	
93-39-5	Indeno(1,2,3-cd)pyrene	310	J
53-70-3	Dibenzo(a,h)anthracene	31	J
191-24-2	Benzo(ghi)perylene	300	J
100-51-6	Benzyl alcohol	380	U

RADIAN CORPORATION
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METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

·0069

Client No.

SF-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724201

Sample wt/vol: 30.30 (g/mL) G Lab File ID: 22231Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 13.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.3

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	380	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

)0070

Client No.
SF-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724201

Sample wt/vol: 30.30 (g/mL) G Lab File ID: 22231Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 13.3 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.3

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	UNKNOWN	2.66	1700	J
2.	SUSPECTED ALDOL COND PRODUCT	3.33	14000	ABJ
3.	UNKNOWN	11.40	740	J
4.	UNKNOWN	14.68	780	J
5.	UNKNOWN PAH DERIVATIVE	15.25	1100	J
6.	UNKNOWN	15.83	800	J
7.	UNKNOWN	16.27	800	J
8.	UNKNOWN	16.62	660	J
9.	UNKNOWN	16.91	730	J
10.	UNKNOWN	17.50	790	J
11.	UNKNOWN	17.56	730	J
12.	UNKNOWN	17.65	640	J
13.	UNKNOWN	17.83	730	J
14.	UNKNOWN	18.17	740	J
15.	UNKNOWN	18.28	1200	J
16.	UNKNOWN	19.82	760	J
17.	UNKNOWN	20.31	740	J
18.	UNKNOWN	20.53	1600	J
19.	UNKNOWN	21.01	1000	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0071

Client ID
SF-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202

Sample wt/vol: 30.17 (g/mL) G Lab File ID: 22232Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	410	U
111-44-4	Bis(2-chloroethyl) ether	410	U
95-57-8	2-Chlorophenol	410	U
541-73-1	1,3-Dichlorobenzene	410	U
106-46-7	1,4-Dichlorobenzene	410	U
95-50-1	1,2-Dichlorobenzene	410	U
95-48-7	2-Methylphenol	410	U
108-60-1	Bis(2-chloroisopropyl) ether	410	U
106-44-5	4-Methylphenol	410	U
621-64-7	N-Nitroso-Di-n-propylamine	410	U
67-72-1	Hexachloroethane	410	U
98-95-3	Nitrobenzene	410	U
78-59-1	Isophorone	410	U
88-75-5	2-Nitrophenol	410	U
105-67-9	2,4-Dimethylphenol	410	U
111-91-1	Bis(2-chloroethoxy) methane	410	U
120-83-2	2,4-Dichlorophenol	410	U
120-82-1	1,2,4-Trichlorobenzene	410	U
91-20-3	Naphthalene	160	J
106-47-8	4-Chloroaniline	410	U
87-68-3	Hexachlorobutadiene	410	U
59-50-7	4-Chloro-3-methylphenol	410	U
91-57-6	2-Methylnaphthalene	800	
77-47-4	Hexachlorocyclopentadiene	410	U
88-06-2	2,4,6-Trichlorophenol	410	U
95-95-4	2,4,5-Trichlorophenol	410	U
91-58-7	2-Chloronaphthalene	410	U
88-74-4	2-Nitroaniline	990	U
131-11-3	Dimethyl phthalate	410	U
208-96-8	Acenaphthylene	410	U
606-20-2	2,6-Dinitrotoluene	410	U
99-09-2	3-Nitroaniline	990	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

:0072

Client No.
SF-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202

Sample wt/vol: 30.17 (g/mL) G Lab File ID: 22232Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	410	U
51-28-5	2,4-Dinitrophenol	990	U
100-02-7	4-Nitrophenol	990	U
132-64-9	Dibenzofuran	410	U
121-14-2	2,4-Dinitrotoluene	410	U
84-66-2	Diethyl phthalate	410	U
7005-72-3	4-Chlorodiphenylether	410	U
86-73-7	Fluorene	410	U
100-01-6	4-Nitroaniline	990	U
534-52-1	4,6-Dinitro-2-methylphenol	990	U
86-30-6	N-nitrosodiphenylamine	410	U
101-55-3	4-Bromophenyl phenyl ether	410	U
118-74-1	Hexachlorobenzene	410	U
87-86-5	Pentachlorophenol	990	U
85-01-8	Phenanthrene	410	
120-12-7	Anthracene	410	U
84-74-2	Di-n-butyl phthalate	410	U
206-44-0	Fluoranthene	410	U
129-00-0	Pyrene	410	U
85-68-7	Butyl benzyl phthalate	410	U
91-94-1	3,3'-Dichlorobenzidine	810	U
56-55-3	Benzo(a)anthracene	410	U
218-01-9	Chrysene	410	U
117-81-7	Bis(2-ethylhexyl) phthalate	410	U
117-84-0	Di-n-octyl phthalate	410	U
205-99-2	Benzo(b)fluoranthene	410	U
207-08-9	Benzo(k)fluoranthene	410	U
50-32-8	Benzo(a)pyrene	410	U
193-39-5	Indeno(1,2,3-cd)pyrene	410	U
53-70-3	Dibenzo(a,h)anthracene	410	U
191-24-2	Benzo(ghi)perylene	410	U
100-51-6	Benzyl alcohol	410	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0073

Client No.

SF-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202

Sample wt/vol: 30.17 (g/mL) G Lab File ID: 22232Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	410	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

)0074

Client Nc

SF-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202

Sample wt/vol: 30.17 (g/mL) G Lab File ID: 22232Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/9

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs found: 19

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		UNKNOWN	2.70	510	BJ
2.		SUSPECTED ALDOL COND PRODUCT	3.35	15000	ABJ
3.		UNKNOWN ALKANE	7.15	780	J
4.		UNKNOWN ALKANE	7.99	560	J
5.		UNKNOWN ALKANE	10.27	810	J
6.		UNKNOWN	15.28	2500	J
7.		UNKNOWN	15.84	1700	J
8.		UNKNOWN	16.90	930	J
9.		UNKNOWN	17.20	580	J
10.		UNKNOWN	17.52	730	J
11.		UNKNOWN	18.33	660	J
12.		UNKNOWN	18.97	660	J
13.		UNKNOWN	19.43	520	J
14.		UNKNOWN	19.49	610	J
15.		UNKNOWN	19.72	1500	J
16.		UNKNOWN	20.45	2200	J
17.		UNKNOWN	20.93	1400	J
18.		UNKNOWN	21.17	610	J
19.		UNKNOWN	21.61	500	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

)0075

Client No.

SF-2 FD

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FD

Sample wt/vol: 30.70 (g/mL) G Lab File ID: 22233Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	400	U
111-44-4	Bis(2-chloroethyl) ether	400	U
95-57-8	2-Chlorophenol	400	U
541-73-1	1,3-Dichlorobenzene	400	U
106-46-7	1,4-Dichlorobenzene	400	U
95-50-1	1,2-Dichlorobenzene	400	U
95-48-7	2-Methylphenol	400	U
108-60-1	Bis(2-chloroisopropyl) ether	400	U
106-44-5	4-Methylphenol	400	U
621-64-7	N-Nitroso-Di-n-propylamine	400	U
67-72-1	Hexachloroethane	400	U
98-95-3	Nitrobenzene	400	U
78-59-1	Isophorone	400	U
88-75-5	2-Nitrophenol	400	U
105-67-9	2,4-Dimethylphenol	400	U
111-91-1	Bis(2-chloroethoxy) methane	400	U
120-83-2	2,4-Dichlorophenol	400	U
120-82-1	1,2,4-Trichlorobenzene	400	U
91-20-3	Naphthalene	400	U
106-47-8	4-Chloroaniline	150	J
87-68-3	Hexachlorobutadiene	400	U
59-50-7	4-Chloro-3-methylphenol	400	U
91-57-6	2-Methylnaphthalene	400	U
77-47-4	Hexachlorocyclopentadiene	790	
88-06-2	2,4,6-Trichlorophenol	400	U
95-95-4	2,4,5-Trichlorophenol	400	U
91-58-7	2-Chloronaphthalene	400	U
88-74-4	2-Nitroaniline	400	U
131-11-3	Dimethyl phthalate	970	U
208-96-8	Acenaphthylene	400	U
606-20-2	2,6-Dinitrotoluene	400	U
99-09-2	3-Nitroaniline	400	U
		970	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

)0076

Client No
SF-2 FD

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FD

Sample wt/vol: 30.70 (g/mL) G Lab File ID: 22233Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	400	U
51-28-5	2,4-Dinitrophenol	970	U
00-02-7	4-Nitrophenol	970	U
132-64-9	Dibenzofuran	400	U
121-14-2	2,4-Dinitrotoluene	400	U
84-66-2	Diethyl phthalate	400	U
7005-72-3	4-Chlorodiphenylether	400	U
86-73-7	Fluorene	400	U
100-01-6	4-Nitroaniline	970	U
534-52-1	4,6-Dinitro-2-methylphenol	970	U
86-30-6	N-nitrosodiphenylamine	400	U
101-55-3	4-Bromophenyl phenyl ether	400	U
118-74-1	Hexachlorobenzene	400	U
87-86-5	Pentachlorophenol	970	U
85-01-8	Phenanthrene	410	
120-12-7	Anthracene	400	U
84-74-2	Di-n-butyl phthalate	400	U
206-44-0	Fluoranthene	400	U
129-00-0	Pyrene	400	U
85-68-7	Butyl benzyl phthalate	400	U
91-94-1	3,3'-Dichlorobenzidine	800	U
56-55-3	Benzo(a)anthracene	400	U
218-01-9	Chrysene	400	U
117-81-7	Bis(2-ethylhexyl) phthalate	400	U
117-84-0	Di-n-octyl phthalate	400	U
205-99-2	Benzo(b)fluoranthene	400	U
207-08-9	Benzo(k)fluoranthene	400	U
50-32-8	Benzo(a)pyrene	400	U
193-39-5	Indeno(1,2,3-cd)pyrene	400	U
53-70-3	Dibenzo(a,h)anthracene	400	U
191-24-2	Benzo(ghi)perylene	400	U
100-51-6	Benzyl alcohol	400	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'00?

Client N-

SF-2 FD

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FD

Sample wt/vol: 30.70 (g/mL) G Lab File ID: 22233Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	400	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

'0078

Client No
SF-2 FD

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FD

Sample wt/vol: 30.70 (g/mL) G Lab File ID: 22233Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/9.

% Moisture: 19.5 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs found: 18

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

	CAS NO.	Compound Name	RT	Est. Conc.	Q
1.		SUSPECTED ALDOL COND PRODUCT	3.29	12000	AJ
2.		UNKNOWN ALKANE	7.15	750	J
3.		UNKNOWN ALKANE	7.99	540	J
4.		UNKNOWN ALKANE	9.82	640	J
5.		UNKNOWN ALKANE	10.76	1100	J
6.		UNKNOWN ALKANE	12.51	1700	J
7.		UNKNOWN ALKANE	15.67	530	J
8.		UNKNOWN	16.07	420	J
9.		UNKNOWN	16.22	890	J
10.		UNKNOWN	16.56	810	J
11.		UNKNOWN	16.89	540	J
12.		UNKNOWN	18.32	770	J
13.		UNKNOWN	18.74	430	J
14.		UNKNOWN	19.41	650	J
15.		UNKNOWN	19.46	690	J
16.		UNKNOWN	19.72	1200	J
17.		UNKNOWN	20.43	1700	J
18.		UNKNOWN	20.92	1100	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0079

Client N

SF-3

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724203

Sample wt/vol: 30.47 (g/mL) G Lab File ID: 22236Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 25.4 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
108-95-2	Phenol	440	U
111-44-4	Bis(2-chloroethyl) ether	440	U
95-57-8	2-Chlorophenol	440	U
541-73-1	1,3-Dichlorobenzene	440	U
106-46-7	1,4-Dichlorobenzene	440	U
95-50-1	1,2-Dichlorobenzene	440	U
95-48-7	2-Methylphenol	440	U
108-60-1	Bis(2-chloroisopropyl) ether	440	U
106-44-5	4-Methylphenol	440	U
621-64-7	N-Nitroso-Di-n-propylamine	460	
67-72-1	Hexachloroethane	440	U
98-95-3	Nitrobenzene	440	U
78-59-1	Isophorone	440	U
88-75-5	2-Nitrophenol	440	U
105-67-9	2,4-Dimethylphenol	440	U
111-91-1	Bis(2-chloroethoxy) methane	440	U
120-83-2	2,4-Dichlorophenol	440	U
120-82-1	1,2,4-Trichlorobenzene	440	U
91-20-3	Naphthalene	440	U
106-47-8	4-Chloroaniline	440	U
87-68-3	Hexachlorobutadiene	440	U
59-50-7	4-Chloro-3-methylphenol	440	U
91-57-6	2-Methylnaphthalene	440	U
77-47-4	Hexachlorocyclopentadiene	160	J
88-06-2	2,4,6-Trichlorophenol	440	U
95-95-4	2,4,5-Trichlorophenol	440	U
91-58-7	2-Chloronaphthalene	440	U
88-74-4	2-Nitroaniline	440	U
131-11-3	Dimethyl phthalate	1000	U
208-96-8	Acenaphthylene	440	U
606-20-2	2,6-Dinitrotoluene	440	U
99-09-2	3-Nitroaniline	440	U
		1000	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0090

Client No.

SF-3

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724203

Sample wt/vol: 30.47 (g/mL) G Lab File ID: 22236Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 25.4 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
83-32-9	Acenaphthene	440	U
51-28-5	2,4-Dinitrophenol	1000	U
100-02-7	4-Nitrophenol	1000	U
132-64-9	Dibenzofuran	440	U
121-14-2	2,4-Dinitrotoluene	440	U
84-66-2	Diethyl phthalate	440	U
7005-72-3	4-Chlorodiphenylether	440	U
86-73-7	Fluorene	440	U
100-01-6	4-Nitroaniline	1000	U
534-52-1	4,6-Dinitro-2-methylphenol	1000	U
86-30-6	N-nitrosodiphenylamine	440	U
101-55-3	4-Bromophenyl phenyl ether	440	U
118-74-1	Hexachlorobenzene	440	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	670	
120-12-7	Anthracene	440	U
84-74-2	Di-n-butyl phthalate	440	U
206-44-0	Fluoranthene	98	J
129-00-0	Pyrene	380	J
85-68-7	Butyl benzyl phthalate	440	U
91-94-1	3,3'-Dichlorobenzidine	870	U
56-55-3	Benzo(a)anthracene	440	U
218-01-9	Chrysene	440	U
117-81-7	Bis(2-ethylhexyl) phthalate	440	U
117-84-0	Di-n-octyl phthalate	440	U
205-99-2	Benzo(b)fluoranthene	440	U
207-08-9	Benzo(k)fluoranthene	440	U
50-32-8	Benzo(a)pyrene	440	U
193-39-5	Indeno(1,2,3-cd)pyrene	440	U
53-70-3	Dibenzo(a,h)anthracene	440	U
191-24-2	Benzo(ghi)perylene	440	U
100-51-6	Benzyl alcohol	440	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0081

Client No
SF-3

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724203

Sample wt/vol: 30.47 (g/mL) G Lab File ID: 22236Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 25.4 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
62-75-9	N-Nitrosodimethylamine	440	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

10082

Client No

SF-3

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724203

Sample wt/vol: 30.47 (g/mL) G Lab File ID: 22236Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: 25.4 decanted: (Y/N) N Date Extracted: 12/12/94

Concentrated Extract Volume: 500 (uL) Date Analyzed: 12/30/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2

Number TICs found: 17

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SUSPECTED ALDOL COND PRODUCT	3.32	14000	ABJ
2.	UNKNOWN ALKANE	7.15	880	J
3.	UNKNOWN ALKANE	7.98	1600	J
4.	UNKNOWN	9.71	4600	J
5.	UNKNOWN ALKANE	9.89	1700	J
6.	UNKNOWN ALKANE	10.84	1200	J
7.	UNKNOWN	16.87	880	J
8.	UNKNOWN	18.32	1100	J
9.	UNKNOWN	18.56	930	J
10.	UNKNOWN	18.73	1400	J
11.	UNKNOWN	18.96	1200	J
12.	UNKNOWN	19.33	2600	J
13.	UNKNOWN ALKANE	19.72	1600	J
14.	UNKNOWN	20.46	7600	J
15.	UNKNOWN	20.93	2100	J
16.	UNKNOWN	22.00	1000	J
17.	UNKNOWN	22.49	930	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

'0083

Client No.

SW-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725005

Sample wt/vol: 960.00 (g/mL) ML Lab File ID: 22037Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl) ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	Bis(2-chloroisopropyl) ether	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-Di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy) methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	10	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	26	U
131-11-3	Dimethyl phthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	26	U

0084

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

Client No.
SW-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725005

Sample wt/vol: 960.00 (g/mL) ML Lab File ID: 22037Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	26	U
00-02-7	4-Nitrophenol	26	U
132-64-9	Dibenzofuran	10	U
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethyl phthalate	10	U
7005-72-3	4-Chlorodiphenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	26	U
534-52-1	4,6-Dinitro-2-methylphenol	26	U
86-30-6	N-nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl phenyl ether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	26	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butyl phthalate	0.8	BJ
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	21	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl) phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(ghi)perylene	10	U
100-51-6	Benzyl alcohol	10	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
ANALYSIS DATA SHEET

:0085

Client No

SW-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725005

Sample wt/vol: 960.00 (g/mL) ML Lab File ID: 22037Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
62-75-9	N-Nitrosodimethylamine	10	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8270 - TCL SEMIVOLATILES
TENTATIVELY IDENTIFIED COMPOUNDS

0086

Client No.

SW-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725005

Sample wt/vol: 960.00 (g/mL) ML Lab File ID: 22037Z.RR

Level: (low/med) LOW Date Samp/Recv: 12/08/94 12/09/94

% Moisture: _____ decanted: (Y/N) N Date Extracted: 12/13/94

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 12/16/94

Injection Volume: 2.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0

Number TICs found: 2

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	Compound Name	RT	Est. Conc.	Q
1.	SUSPECTED ALDOL COND PRODUCT	2.72	66	ABJ
2.	UNKNOWN	3.03	49	BJ

RADIAN CORPORATION
ERDLE SITE
METHOD 8010 - HALOGENATED VOLATILE ORGANICS
ANALYSIS DATA SHEET

'0087

Client :
SD-3

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724208

Sample wt/vol: 6.57 (g/mL) G Lab File ID: _____

Level: (low/med) Med Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 33.1 Date Analyzed: 12/14/94

GC Column: RTX-502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-27-4	Bromodichloromethane	11	U
75-25-2	Bromoform	57	U
74-83-9	Bromomethane	57	U
56-23-5	Carbon Tetrachloride	11	U
108-90-7	Chlorobenzene	11	U
75-00-3	Chloroethane	57	U
110-75-8	2-Chloroethylvinyl ether	57	U
67-66-3	Chloroform	11	U
74-87-3	Chloromethane	57	U
124-48-1	Dibromochloromethane	11	U
95-50-1	1,2-Dichlorobenzene	23	U
541-73-1	1,3-Dichlorobenzene	23	U
106-46-7	1,4-Dichlorobenzene	23	U
75-34-3	1,1-Dichloroethane	11	U
107-06-2	1,2-Dichloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-09-2	Methylene chloride	11	U
79-34-5	1,1,2,2-Tetrachloroethane	11	U
127-18-4	Tetrachloroethene	11	U
71-55-6	1,1,1-Trichloroethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
79-01-6	Trichloroethene	11	U
75-69-4	Trichlorofluoromethane	11	U
75-01-4	Vinyl chloride	57	U

RADIAN CORPORATION
ERDLE SITE
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)0088
Client No.

SF-3

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724203

Sample wt/vol: 5.05 (g/mL) G Lab File ID: _____

Level: (low/med) Med Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 10.8 Date Analyzed: 12/14/94

GC Column: RTX-502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-27-4	Bromodichloromethane	11	U
75-25-2	Bromoform	56	U
74-83-9	Bromomethane	56	U
56-23-5	Carbon Tetrachloride	11	U
108-90-7	Chlorobenzene	11	U
75-00-3	Chloroethane	56	U
110-75-8	2-Chloroethylvinyl ether	56	U
67-66-3	Chloroform	11	U
74-87-3	Chloromethane	56	U
124-48-1	Dibromochloromethane	11	U
95-50-1	1,2-Dichlorobenzene	22	U
541-73-1	1,3-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
75-34-3	1,1-Dichloroethane	11	U
107-06-2	1,2-Dichloroethane	11	U
75-35-4	1,1-Dichloroethene	11	U
156-60-5	trans-1,2-Dichloroethene	11	U
78-87-5	1,2-Dichloropropane	11	U
10061-01-5	cis-1,3-Dichloropropene	11	U
10061-02-6	trans-1,3-Dichloropropene	11	U
75-09-2	Methylene chloride	20	
79-34-5	1,1,2,2-Tetrachloroethane	11	U
127-18-4	Tetrachloroethene	11	U
71-55-6	1,1,1-Trichloroethane	11	U
79-00-5	1,1,2-Trichloroethane	11	U
79-01-6	Trichloroethene	11	U
75-69-4	Trichlorofluoromethane	11	U
75-01-4	Vinyl chloride	56	U

RADIAN CORPORATION
ERDLE SITE
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)0089

Client N.

SF-4

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724204

Sample wt/vol: 5.65 (g/mL) G Lab File ID: _____

Level: (low/med) Med Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 14.1 Date Analyzed: 12/14/94

GC Column: RTX-502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 500 uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	52	U
74-83-9	Bromomethane	52	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	52	U
110-75-8	2-Chloroethylvinyl ether	52	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	52	U
124-48-1	Dibromochloromethane	10	U
95-50-1	1,2-Dichlorobenzene	21	U
541-73-1	1,3-Dichlorobenzene	21	U
106-46-7	1,4-Dichlorobenzene	21	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-09-2	Methylene chloride	12	
79-34-5	1,1,2,2-Tetrachloroethane	10	
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	14	
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
75-01-4	Vinyl chloride	52	U

RADIAN CORPORATION
ERDLE SITE
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'0030

Client No.

SF-5

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724205

Sample wt/vol: 5.17 (g/mL) G Lab File ID: _____

Level: (low/med) Med Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 19.4 Date Analyzed: 12/14/94

GC Column: RTX-502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
75-27-4	Bromodichloromethane	10	U
75-25-2	Bromoform	50	U
74-83-9	Bromomethane	50	U
56-23-5	Carbon Tetrachloride	10	U
108-90-7	Chlorobenzene	10	U
75-00-3	Chloroethane	50	U
110-75-8	2-Chloroethylvinyl ether	50	U
67-66-3	Chloroform	10	U
74-87-3	Chloromethane	50	U
124-48-1	Dibromochloromethane	10	U
95-50-1	1,2-Dichlorobenzene	20	U
541-73-1	1,3-Dichlorobenzene	20	U
106-46-7	1,4-Dichlorobenzene	20	U
75-34-3	1,1-Dichloroethane	10	U
107-06-2	1,2-Dichloroethane	10	U
75-35-4	1,1-Dichloroethene	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
10061-02-6	trans-1,3-Dichloropropene	10	U
75-09-2	Methylene chloride	10	U
79-34-5	1,1,2,2-Tetrachloroethane	10	U
127-18-4	Tetrachloroethene	10	U
71-55-6	1,1,1-Trichloroethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
79-01-6	Trichloroethene	10	U
75-69-4	Trichlorofluoromethane	10	U
75-01-4	Vinyl chloride	50	U

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0090.A

Client No

SW-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725004

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 0B38141.TX0

Level: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-27-4	Bromodichloromethane	0.20	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
56-23-5	Carbon Tetrachloride	0.20	U
108-90-7	Chlorobenzene	0.20	U
75-00-3	Chloroethane	1.0	U
110-75-8	2-Chloroethylvinyl ether	1.0	U
67-66-3	Chloroform	0.20	U
74-87-3	Chloromethane	1.0	U
124-48-1	Dibromochloromethane	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	0.40	U
75-34-3	1,1-Dichloroethane	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
75-09-2	Methylene chloride	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
75-69-4	Trichlorofluoromethane	0.20	U
75-01-4	Vinyl chloride	1.0	U

RADIAN CORPORATION
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0090.B

Client No.

SW-3

ab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

atrix: (soil/water) WATER Lab Sample ID: A4725006

ample wt/vol: 5.00 (g/mL) ML Lab File ID: 0B38142.TX0

Level: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-27-4	Bromodichloromethane	0.20	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
[illegible]-23-5	Carbon Tetrachloride	0.20	U
[illegible]8-90-7	Chlorobenzene	0.20	U
75-00-3	Chloroethane	1.0	U
110-[illegible]	2-Chloroethylvinyl ether	1.0	U
67-6[illegible]	Chloroform	0.20	U
74-87-[illegible]	Chloromethane	1.0	U
124-48-[illegible]	Dibromochloromethane	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	0.40	U
75-34-3	1,1-Dichloroethane	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
75-09-2	Methylene chloride	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
127-18-4	Tetrachloroethene	1.7	
71-55-6	1,1,1-Trichloroethane	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
75-69-4	Trichlorofluoromethane	0.20	U
75-01-4	Vinyl chloride	1.0	U

RADIAN CORPORATION
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METHOD 8010 - HALOGENATED VOLATILE ORGANICS
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0090.C

Client No

SW-4

ab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

atrix: (soil/water) WATER Lab Sample ID: A4725007

ample wt/vol: 5.00 (g/mL) ML Lab File ID: 0B38143.TX0

Level: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-27-4	Bromodichloromethane	0.20	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
56-23-5	Carbon Tetrachloride	0.20	U
108-90-7	Chlorobenzene	0.20	U
75-00-3	Chloroethane	1.0	U
110-75-8	2-Chloroethylvinyl ether	1.0	U
67-66-3	Chloroform	0.20	U
74-87-3	Chloromethane	1.0	U
124-48-1	Dibromochloromethane	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	0.40	U
75-34-3	1,1-Dichloroethane	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
75-09-2	Methylene chloride	0.20	U
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
127-18-4	Tetrachloroethene	2.9	
71-55-6	1,1,1-Trichloroethane	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
79-01-6	Trichloroethene	6.4	
75-69-4	Trichlorofluoromethane	0.20	U
75-01-4	Vinyl chloride	0.37	J

RADIAN CORPORATION
ERDLE SITE
METHOD 8010 - HALOGENATED VOLATILE ORGANICS
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0090.D

Client No.

TB-1

I b Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

I .trix: (soil/water) WATER Lab Sample ID: A4725001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 0B38138.TX0

I :vel: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-27-4	Bromodichloromethane	0.20	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
56-23-5	Carbon Tetrachloride	0.63	
108-90-7	Chlorobenzene	0.20	U
75-00-3	Chloroethane	1.0	U
110-75-8	2-Chloroethylvinyl ether	1.0	U
67-66-3	Chloroform	0.20	U
74-87-3	Chloromethane	1.0	U
124-48-1	Dibromochloromethane	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	3.4	
75-34-3	1,1-Dichloroethane	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
156-6[illegible]	trans-1,2-Dichloroethene	0.20	U
78-87-[illegible]	1,2-Dichloropropane	0.20	U
10061-01-[illegible]	cis-1,3-Dichloropropene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
75-09-2	Methylene chloride	0.25	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
75-69-4	Trichlorofluoromethane	6.7	
75-01-4	Vinyl chloride	1.0	U

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0086.A

Client N

RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 0B38139.TX0

Level: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-27-4	Bromodichloromethane	0.20	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
56-23-5	Carbon Tetrachloride	1.3	
108-90-7	Chlorobenzene	0.20	U
75-00-3	Chloroethane	1.0	U
110-75-8	2-Chloroethylvinyl ether	1.0	U
67-66-3	Chloroform	0.25	
74-87-3	Chloromethane	1.0	U
124-48-1	Dibromochloromethane	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	2.9	
75-34-3	1,1-Dichloroethane	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
75-09-2	Methylene chloride	0.60	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
75-69-4	Trichlorofluoromethane	0.20	U
75-01-4	Vinyl chloride	1.0	U

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0086.B

Client No.

RB-2

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725003

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 0B38140.TX0

Level: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
75-27-4	Bromodichloromethane	0.20	U
75-25-2	Bromoform	1.0	U
74-83-9	Bromomethane	1.0	U
56-23-5	Carbon Tetrachloride	1.3	
108-90-7	Chlorobenzene	0.20	U
75-00-3	Chloroethane	1.0	U
110-75-8	2-Chloroethylvinyl ether	1.0	U
67-66-3	Chloroform	0.30	
74-87-3	Chloromethane	1.0	U
124-48-1	Dibromochloromethane	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	3.4	
75-34-3	1,1-Dichloroethane	0.20	U
107-06-2	1,2-Dichloroethane	0.20	U
75-35-4	1,1-Dichloroethene	0.20	U
156-60-5	trans-1,2-Dichloroethene	0.20	U
78-87-5	1,2-Dichloropropane	0.20	U
10061-01-5	cis-1,3-Dichloropropene	0.20	U
10061-02-6	trans-1,3-Dichloropropene	0.20	U
75-09-2	Methylene chloride	0.68	
79-34-5	1,1,2,2-Tetrachloroethane	0.20	U
127-18-4	Tetrachloroethene	0.20	U
71-55-6	1,1,1-Trichloroethane	0.20	U
79-00-5	1,1,2-Trichloroethane	0.20	U
79-01-6	Trichloroethene	0.20	U
75-69-4	Trichlorofluoromethane	0.20	U
75-01-4	Vinyl chloride	1.0	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8020 - AROMATIC VOLATILE ORGANICS
ANALYSIS DATA SHEET

'00S

Client No.
SF-3

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724203

Sample wt/vol: 5.05 (g/mL) G Lab File ID: _____

Level: (low/med) Med Date Samp/Recv: 12/08/94 12/09/94

% Moisture: not dec. 10.8 Date Analyzed: 12/14/94

GC Column: RTX-502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

Soil Extract Volume: 5000 (uL) Soil Aliquot Volume: 100.00 (uL)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
71-43-2	Benzene	16	
108-90-7	Chlorobenzene	11	U
95-50-1	1,2-Dichlorobenzene	22	U
541-73-1	1,3-Dichlorobenzene	22	U
106-46-7	1,4-Dichlorobenzene	22	U
100-41-4	Ethyl benzene	43	
108-88-3	Toluene	250	
108-38-3	m-Xylene	11	U
95-47-6	o-Xylene	73	
106-42-3	p-Xylene	11	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8020 - AROMATIC VOLATILE ORGANICS
ANALYSIS DATA SHEET

0092.E

Client No.

RB-1

Lab Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 0A38139.TX0

Level: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
71-43-2	Benzene	0.20	U
108-90-7	Chlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	8.9	
100-41-4	Ethyl benzene	0.20	U
108-88-3	Toluene	0.64	
108-38-3	m-Xylene	0.20	U
95-47-6	o-Xylene	0.20	U
106-42-3	p-Xylene	0.20	U

RADIAN CORPORATION
ERDLE SITE
METHOD 8020 - AROMATIC VOLATILE ORGANICS
ANALYSIS DATA SHEET

0091.

Client N

TB-1

I .b Name: Recra Environmental Contract: _____

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

I ıtrix: (soil/water) WATER Lab Sample ID: A4725001

Sample wt/vol: 5.00 (g/mL) ML Lab File ID: 0A38138.TX0

Level: (low/med) Low Date Samp/Recv: 12/08/94 12/09/94

Moisture: not dec. _____ Date Analyzed: 12/15/94

GC Column: RTX502.2 Dia: 0.53 (mm) Dilution Factor: 1.00

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

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND	UG/L	Q
71-43-2	Benzene	0.20	U
108-90-7	Chlorobenzene	0.20	U
95-50-1	1,2-Dichlorobenzene	0.40	U
541-73-1	1,3-Dichlorobenzene	0.40	U
106-46-7	1,4-Dichlorobenzene	5.2	
100-41-4	Ethyl benzene	0.20	U
108-88-3	Toluene	0.42	
108-38-3	m-Xylene	0.20	U
95-47-6	o-Xylene	0.20	U
106-4[illegible]	p-Xylene	0.20	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.
RB1

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725002

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/23/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

'0093

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

S1

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724210

Sample wt/vol: 30.5 (g/mL) G Lab File ID: _____

% Moisture: 50 decanted: (Y/N) N Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/28/94

Injection Volume: 1.00 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) Y pH: 7.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	650	U
11104-28-2	Aroclor-1221	1300	U
11141-16-5	Aroclor-1232	650	U
53469-21-9	Aroclor-1242	650	U
12672-29-6	Aroclor-1248	650	U
11097-69-1	Aroclor-1254	650	U
11096-82-5	Aroclor-1260	650	U

'0094

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD1

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724206

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 78 decanted: (Y/N) N Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/24/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.4 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	150	U
11104-28-2	Aroclor-1221	300	U
11141-16-5	Aroclor-1232	150	U
53469-21-9	Aroclor-1242	150	U
12672-29-6	Aroclor-1248	150	U
11097-69-1	Aroclor-1254	150	U
11096-82-5	Aroclor-1260	150	U

'0095

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SD2

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724207

Sample wt/vol: 30.2 (g/mL) G Lab File ID: _____

% Moisture: 39 decanted: (Y/N) N Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/24/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 6.9 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	54	U
11104-28-2	Aroclor-1221	110	U
11141-16-5	Aroclor-1232	54	U
53469-21-9	Aroclor-1242	54	U
12672-29-6	Aroclor-1248	54	U
11097-69-1	Aroclor-1254	54	U
11096-82-5	Aroclor-1260	54	U

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.: 10096

SF1

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724201

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 13 decanted: (Y/N) N Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/24/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.3 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	38	U
11104-28-2	Aroclor-1221	76	U
11141-16-5	Aroclor-1232	38	U
53469-21-9	Aroclor-1242	38	U
12672-29-6	Aroclor-1248	38	U
11097-69-1	Aroclor-1254	38	U
11096-82-5	Aroclor-1260	38	U

'0097

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SF2

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202

Sample wt/vol: 30.3 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/23/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

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1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SF2FD

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) SOIL Lab Sample ID: A4724202FD

Sample wt/vol: 30.4 (g/mL) G Lab File ID: _____

% Moisture: 19 decanted: (Y/N) N Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 12/12/94

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 12/23/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) Y pH: 8.2 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	Aroclor-1016	40	U
11104-28-2	Aroclor-1221	82	U
11141-16-5	Aroclor-1232	40	U
53469-21-9	Aroclor-1242	40	U
12672-29-6	Aroclor-1248	40	U
11097-69-1	Aroclor-1254	40	U
11096-82-5	Aroclor-1260	40	U

'0039

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

SW2

Lab Name: RECRA ENVIRON Contract: NY95-008

Lab Code: RECNY Case No.: 5205 SAS No.: _____ SDG No.: S1

Matrix: (soil/water) WATER Lab Sample ID: A4725005

Sample wt/vol: 1000 (g/mL) ML Lab File ID: _____

% Moisture: _____ decanted: (Y/N) ___ Date Received: 12/09/94

Extraction: (SepF/Cont/Sonc) SEPF Date Extracted: 12/12/94

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 12/23/94

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.0 Sulfur Cleanup: (Y/N) Y

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
12674-11-2	Aroclor-1016	1.0	U
11104-28-2	Aroclor-1221	2.0	U
11141-16-5	Aroclor-1232	1.0	U
53469-21-9	Aroclor-1242	1.0	U
12672-29-6	Aroclor-1248	1.0	U
11097-69-1	Aroclor-1254	1.0	U
11096-82-5	Aroclor-1260	1.0	U

NYSDEC - ASP

'0100

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

.o Name: RECRA_ENVIRONMENTAL_INC._ Contract: NY95-008__

Lab Code: RECNY_ Case No.: 5205_ SAS No.: _____ SDG No.: S1____

Protocol Version: ASP91

NYSDEC Sample No.	Lab Sample ID.
_RB1_____	__2512_____
_SD1_____	__2626_____
_SD2_____	__2627_____
_SF1_____	__2619_____
_SF2_____	__2620_____
_SF2D_____	__2621_____
_SF2S_____	__2622_____
_SF2FD_____	__2623_____
_SF4_____	__2624_____
_SF5_____	__2625_____
_SW2_____	__2513_____
_S1_____	__2628_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

Comments:

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

Signature: KE Kasperek Name: Kenneth E. Kasperek_____

Date: 1/27/95 Title: Laboratory Director_____