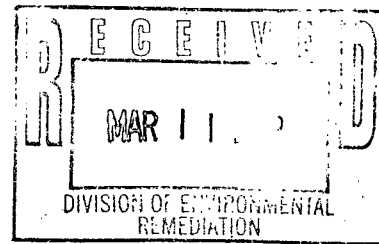

Report, HW 905014. 2002-03-05. PHASE IV - DATA - Summary

ENVIRONEERING, INC.

16350 Park Ten Place, Suite 140 • Houston, Texas 77084
Telephone (281) 578-5800 • Fax (281) 578-5875

March 5, 2002



Mr. Michael A. Walters
Superfund Site Remediation Project Manager
Emergency & Remedial Response Division
U.S. Environmental Protection Agency
290 Broadway, 20th Floor
New York, New York 10007

**Re: Olean Well Field Superfund Site.
Alcas Cutlery Corporation Site, Olean New York.
Phase IV Data Summary.**

Dear Mr. Walters:

Enclosed are three copies of the Phase IV data summary report collected during the September 2001 investigation at the above referenced location. The attached package contains boring logs for the newly installed wells, geological cross sections of the facility, a map showing the locations of all the wells utilized in this investigation, a summary of the soil and groundwater sampling results from this investigation, and copies of the laboratory data sheets. Electronic copies of the complete laboratory data package, including laboratory QA/QC reports had been previously submitted to you under separate cover.

A meeting is requested by Alcoa with you and your technical staff to review the findings of this investigation. Our objective of this meeting is to review the findings and develop a strategy for the future steps at this site. Please contact Mr. Robert Prezbindowski of Alcoa at 865-977-3811 to discuss a time, location, and attendees for this meeting.

Should you have any questions regarding this matter, please do not hesitate to contact me.

Sincerely,
ENVIRONEERING, Inc.

Timothy H. White, REM
Principal

cc: R. Prezbindowski – Alcoa
V. Nattanmai - NYSDEC (4 copies)

ENVIRONEERING, INC.

**OLEAN WELL FIELD SUPERFUND SITE
ALCAS CUTLERY CORPORATION SITE
OLEAN, NEW YORK**

PHASE IV DATA SUMMARY

SECTION	TITLE
1	Summary Tables
2	Boring Logs and Cross Sections
3	Maps and Figures
4	Field Notes
5	Laboratory Data Sheets

ENVIRONEERING, INC.

SECTION 1

Summary Tables

TABLE 1
Soil Sampling Analytical Result Summary
Alcas Facility Site - Olean, New York
September 2001

Sample Identification Number		RU-13 9'	RU-13 20'	RU14-SL-8	RU14-SL-25		RU-17C 5'	RU-17C 25'	RU-17C 46'	RU18-SL-05	RU18-SL-25		RU18-SL-46
Dilution Identification Number						RU14-SL-25DL						RU18-SL-25DL	
Laboratory Number		913008-006	913008-07	913008-001	913008-002	913008-023	913008-017	913008-018	913008-019	913008-003	913008-004	913008-024	913008-005
	units												
Tetrachloroethene	ug/Kg	5.9 U	5.6 U	6.3 U	5.7 U	57 U	5.1 U	5.1 U	5.4 U	6.2 U	5.8 U	29 U	5.9 U
Trichloroethene	ug/Kg	2.0 J	5.6 U	9.4	1900 E	1600 D	3.3	20	2.4 J	2.9 J	490 E	330 D	150
cis-1,2-Dichloroethene	ug/Kg	5.9 U	5.6 U	1.0 J	40	24 JD	5.1 U	0.53 J	5.4 U	0.66* J	9.5	4.4 JD	4.3 J
trans-1,2-Dichloroethene	ug/Kg	5.9 U	5.6 U	6.3 U	3.2 J	57 U	5.1 U	5.1 U	5.4 U	6.2 U	5.8 U	29 U	5.9 U
Vinyl chloride	ug/Kg	12 U	11 U	13 U	11 U	110 U	10 U	10 U	11 U	13 U	12 U	58 U	12 U

"J" denotes an estimated value
"E" denotes sample result exceeds calibration range
"U" denotes compound less than detection limit
"D" denotes analyte value from diluted sample
"*" denotes duplicate analyses not withing control limit.

TABLE 2
Ground Water Sampling Analytical Result Summary
Alcas Facility Site - Olean, New York
September 2001

<i>Sample Identification Number</i>	<i>Dilution Identification Number</i>	<i>Laboratory Number</i>	<i>Units</i>	<i>Tetrachloroethene</i>	<i>Trichloroethene</i>	<i>cis-1,2-Dichloroethene</i>	<i>trans-1,2-Dichloroethene</i>	<i>Vinyl chloride</i>
RU-1		913001-001	ug/L	0.5 U	5.2	0.95	0.5 U	0.5 U
RU-2		913091-020	ug/L	0.5 U	37 E	5.2	0.11 J	0.5 U
	RU-2DL	913091-029	ug/L	5.0 U	25.D	3.6 DJ	5.0 U	5.0 U
RU-4		913091-007	ug/L	10,000 U	310,000	9,700 J	10,000 U	10,000 U
RU-5		913091-008	ug/L	1,000 U	24,000	150 J	1,000 U	1,000 U
RU-6		913001-002	ug/L	500 U	16,000	230 J	500 U	500 U
RU-8		913001-003	ug/L	10 U	300	24	10 U	10 U
RU-9		913091-012	ug/L	0.5 U	5.9	2.8	0.094 J	0.5 U
RU-10		913091-005	ug/L	50 U	2,000	950	15 J	79
RU-11		913091-009	ug/L	0.5 U	0.82	0.5 U	0.5 U	0.5 U
RU-12		913091-006	ug/L	0.5 U	3.8	9.1	0.49 J	4.5
RU-13		913091-004	ug/L	0.5 U	0.61	0.5 U	0.5 U	0.5 U
RU-14		913091-002	ug/L	25 U	560	130	25 U	25 U
RU-15		913091-016	ug/L	0.5 U	5.7	7.7	0.28 J	1.6
RU-16		913091-011	ug/L	0.5 U	19	3.9	0.62	0.5 U
RU-17C		913091-022	ug/L	0.5 U	1.7	0.16 J	0.5 U	0.5 U
RU-18		913091-003	ug/L	130 U	3,400	350	130 U	130 U
B-1		913091-001	ug/L	0.5 U	0.67	1.7	0.28 J	0.21 J
B-2		913091-013	ug/L	50 U	1,100	57	9.2 J	50 U
B-2 DUP		913091-014	ug/L	100 U	2,800	310	100 U	42 J
CW-13		913091-010	ug/L	0.5 U	9.3	0.41 J	0.5 U	0.5 U
CW-13 DUP		913091-015	ug/L	0.5 U	9.4	0.42 J	0.5 U	0.5 U
TRIP BLANK		913001-004	ug/L	0.5 U	0.022 J	0.5 U	0.5 U	0.5 U

"J" denotes an estimated value

"E" denotes sample result exceeds calibration range

"U" denotes compound less than detection limit

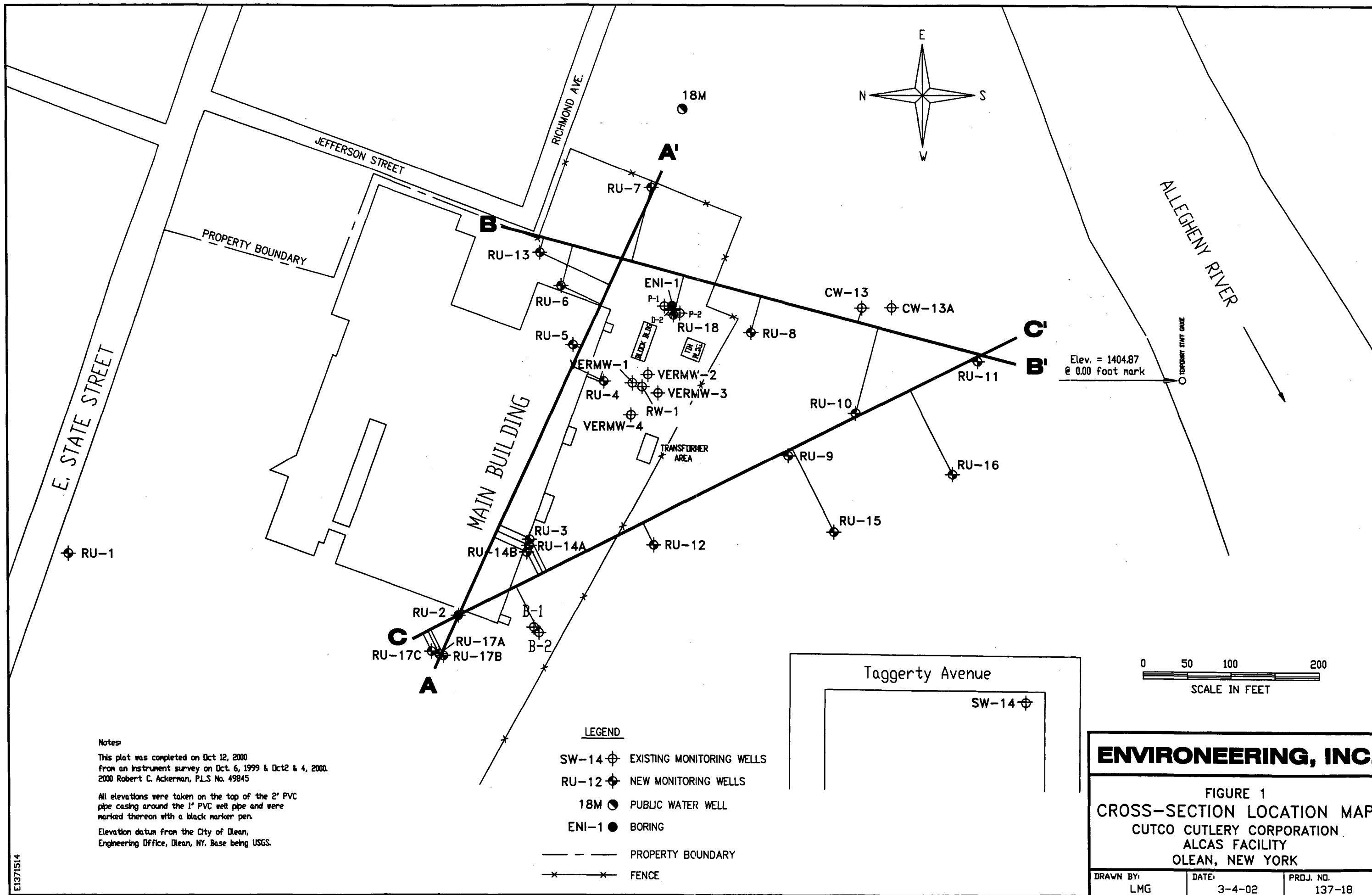
"D" denotes analyte value from diluted sample

"*" denotes duplicate analyses not within control limit.

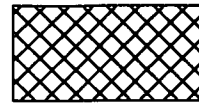
ENVIRONEERING, INC.

SECTION 2

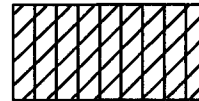
Boring Logs and Cross Sections



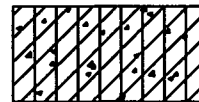
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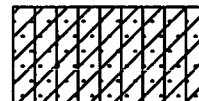
2. SILTY CLAY



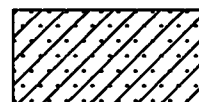
3. SILTY CLAY W/GRAVEL



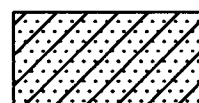
4. SILTY, SANDY CLAY



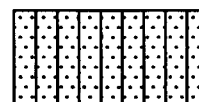
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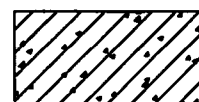
6. CLAYEY SAND



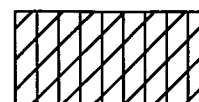
7. SILTY SAND



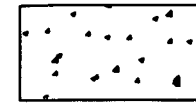
8. CLAY W/GRAVEL



9. CLAYEY SILT



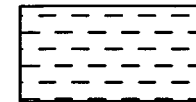
10. GRAVEL



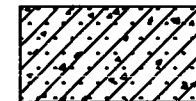
11. GRAVEL W/SAND & SILT



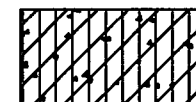
12. SHALE



13. SANDY CLAY W/GRAVEL



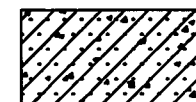
14. CLAYEY SILT W/GRAVEL



15. SAND W/GRAVEL & SILT



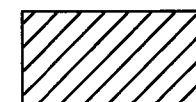
16. CLAY W/GRAVEL & SAND



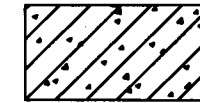
17. SILT W/GRAVEL



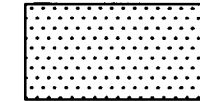
18. CLAY



19. GRAVEL W/CLAY



20. SAND



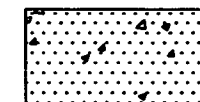
21. SILT



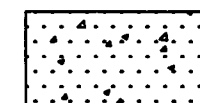
22. SILTY CLAYEY SAND W/GRAVEL



23. SAND W/GRAVEL



24. GRAVEL W/SAND



25. CLAY & GRAVEL



NOT TO SCALE

NOTE:
RED INDICATES PREDOMINANT LITHOLOGY.
BLUE INDICATES SECONDARY LITHOLOGY.

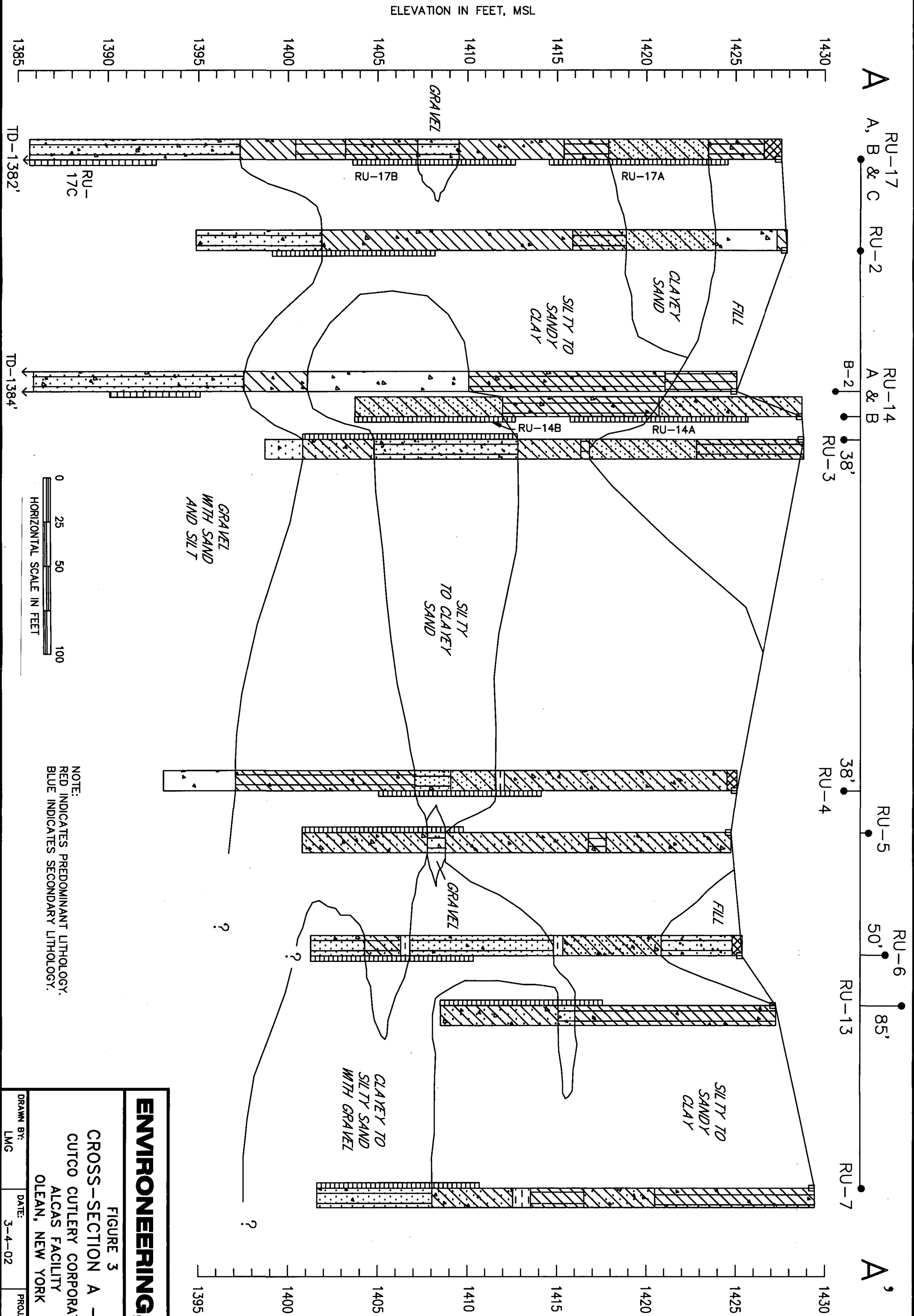
ENVIRONEERING, INC.

FIGURE 2
STRATIGRAPHIC COLUMN
DESCRIPTIONS
CUTCO CUTLERY CORPORATION
ALCAS FACILITY
OLEAN, NEW YORK

DRAWN BY:
LMG

DATE:
3-4-02

PROJ. NO.
137-18



ENVIRONMENTAL ENGINEERING, INC.

FIGURE 3

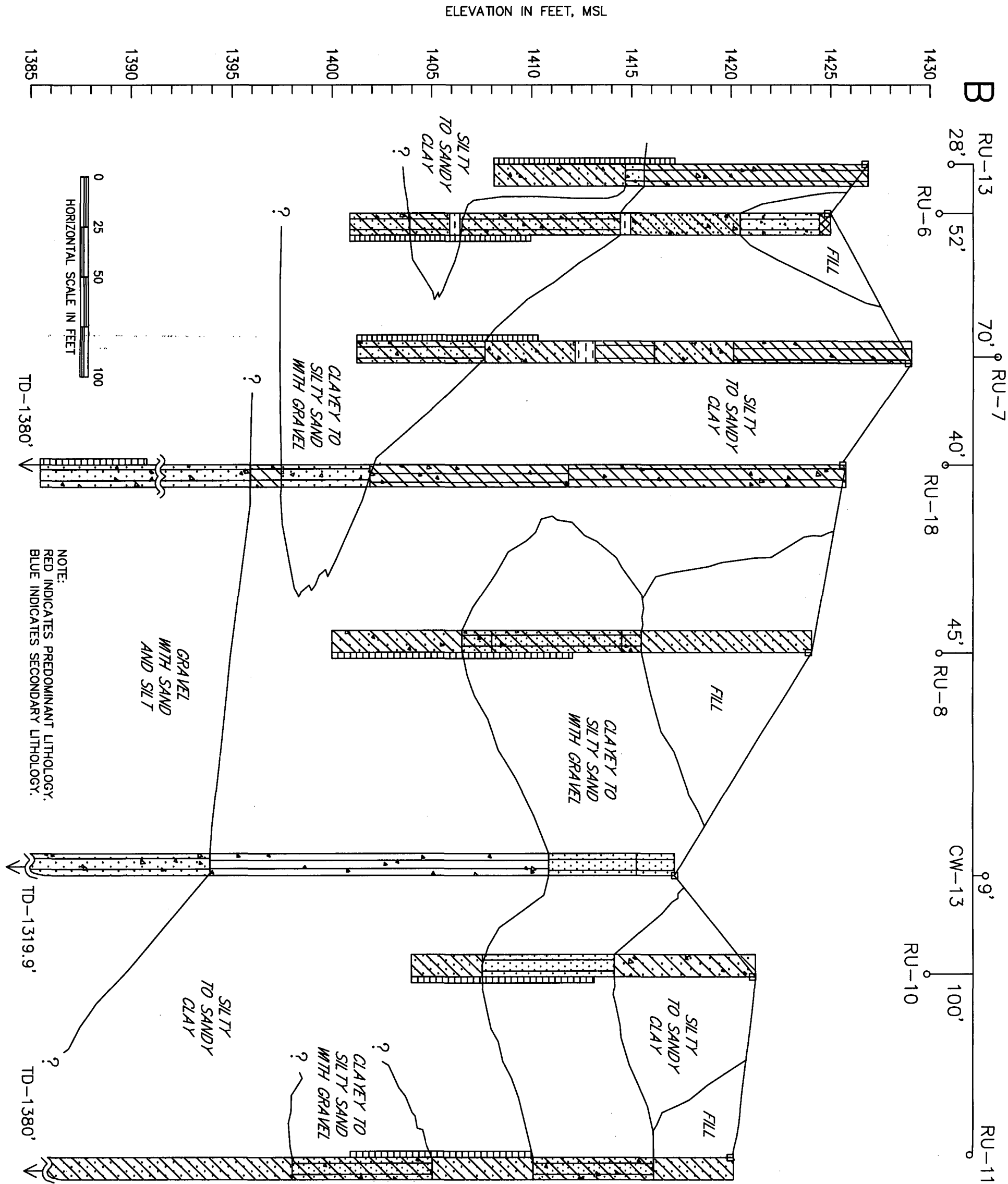
CROSS-SECTION A - A'

CUTCO CUTLERY CORPORATION

ALCAS FACILITY

OLEAN, NEW YORK

DRAWN BY: LMG DATE: 3-4-02 PROJ. NO. 137-15



ENVIRONMENTAL, INC.

FIGURE 4

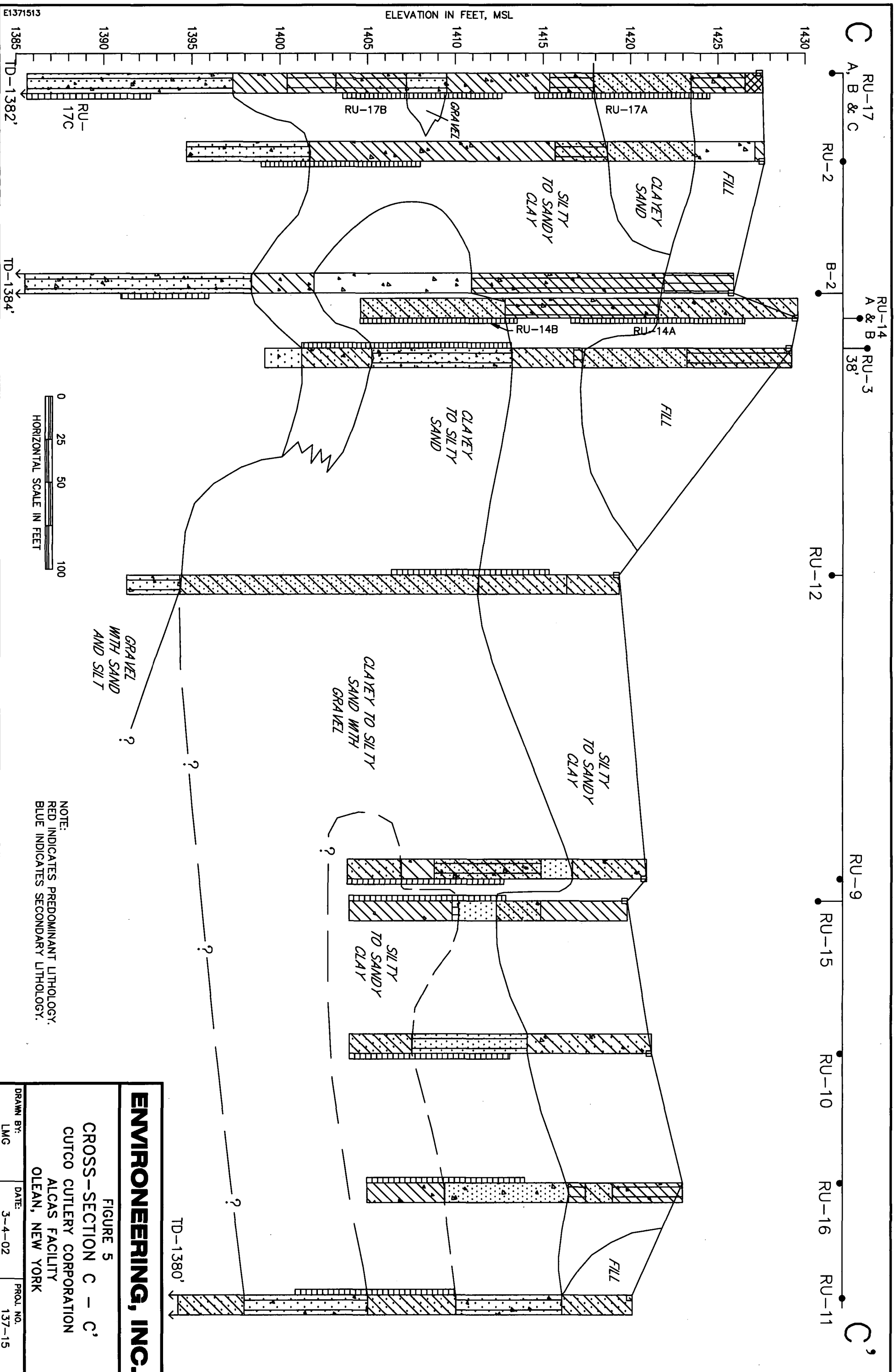
CROSS-SECTION B - B'

CUTCO CUTLERY CORPORATION

ALCAS FACILITY

OLEAN, NEW YORK

DRAWN BY:	DATE:	PROJ. NO.
LMG	3-4-02	137-15



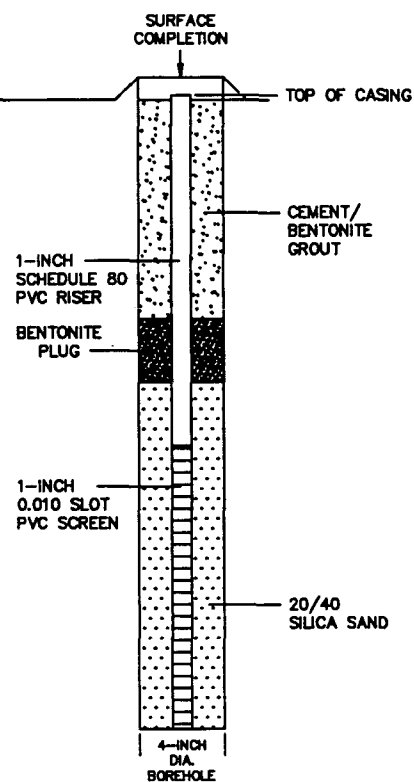
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-05-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-13

MONITOR WELL RU-13

DEPTH, FT.	OVA, PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
0						CLAY, BROWN W/GRAVEL & SAND ROOTS & GRASS NEAR SURFACE
0						LARGER GRAVEL
5						MOIST & SILTY
0						TCE-2.0 J ug/Kg (9')
10						VERY MOIST - NO ODOR
0						SAND, GRAY W/GRAVEL & SAT. SILT
15						CLAY, FIRM W/GRAVEL & SAND FEW IRON NODULES
0						SMALL GRAVEL
20						END OF BORING
25						
30						



ENVIRONEERING, INC.

BORING LOG

**ALCAS CUTLERY FACILITY
OLEAN, NY**

DRAWN BY:
LMG

DATE:
2-6-02

PROJ. NO.
137-15

E1371501

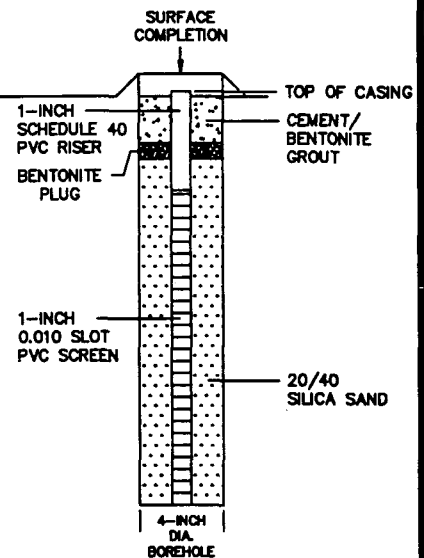
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-06-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-14A

MONITOR WELL RU-14A

DEPTH, FT.	OVA. PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
0						CLAY, BROWN W/GRAVEL & SAND
5						BROWN/TAN, SILTY
10						MOIST
15						SAND, GRAY W/GRAVEL & SAT. SILT
20						END OF BORING
25						
30						



ENVIRONEERING, INC.

BORING LOG

ALCAS CUTLERY FACILITY
 OLEAN, NY

DRAWN BY:
 LMG

DATE:
 11-20-01

PROJ. NO.
 137-15

E1371502

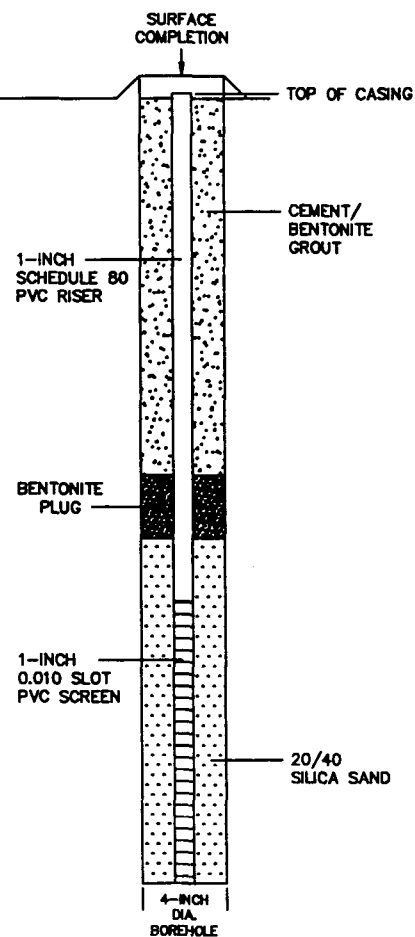
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-05-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-14B

MONITOR WELL RU-14B

DEPTH, FT.	OVA, PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
0						CLAY, BROWN W/GRAVEL & SAND BURNT MATERIAL NEAR SURFACE NO ODOR
-5						
-10						cis-1,2-DCE-1.0 J ug/Kg (8') TCE-9.4 ug/Kg (8')
-15						CLAY, BROWN W/GRAVEL SAND & SILT, MOIST, NO ODOR GREENISH
-20						LARGE MARBLE SIZE GRAVEL CLAYEY SAND, GRAY/BROWN W/GRAVEL & SILT MOIST
-25						cis-1,2-DCE-40 ug/Kg (25') TCE-1,600D ug/Kg (25') trans-1,2-DCE-3.2 J ug/Kg (25')
-30						END OF BORING



ENVIRONEERING, INC.

BORING LOG

**ALCAS CUTLERY FACILITY
OLEAN, NY**

DRAWN BY:
LMG

DATE:
1-26-02

PROJ. NO.
137-15

E1371503

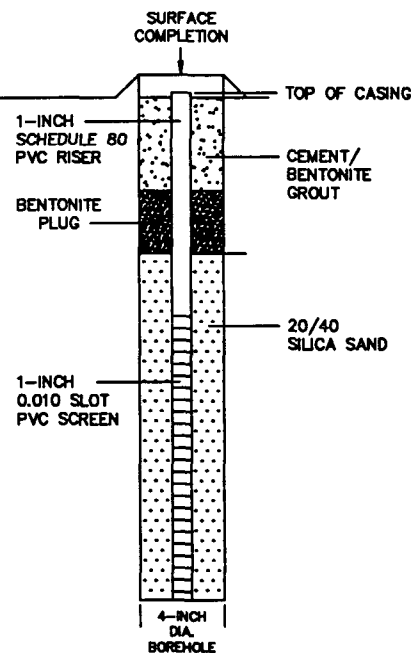
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-06-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-15

MONITOR WELL RU-15

DEPTH, FT.	OVA, PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
0						CLAY, BROWN W/IRON NODULES & ROOT TRACES
5						RED CLAYEY SAND & SMALL GRAVEL
10						COARSE GRAY SAND W/SMALL GRAVEL
						SATURATED SILT LAYER @ 10 - 10.5' ▼
15						GRAY CLAY, STIFF W/GRAVEL & SAND
20						END OF BORING
25						
30						



ENVIRONEERING, INC.

BORING LOG

ALCAS CUTLERY FACILITY
 OLEAN, NY

DRAWN BY:
 LMG

DATE:
 11-29-01

PROJ. NO.
 137-15

E1371504

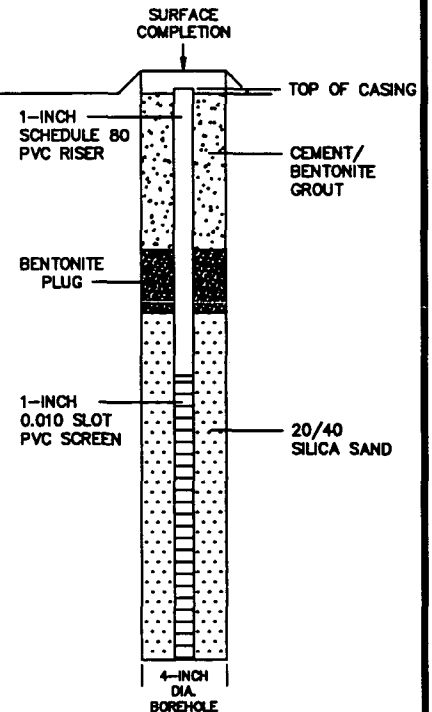
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-06-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-16

MONITOR WELL RU-16

DEPTH, FT.	OVA, PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
0						CLAY, BROWN W/SAND & SILT, FEW GRAVEL
5						CLAYEY SAND, REDDISH BROWN W/FEW GRAVEL
						SILTY CLAY, SOFT
						SAND, BROWN W/FEW GRAVEL & SILT ▼
10						
15						CLAY, FIRM GRAY W/LARGE GRAVEL
20						END OF BORING
25						
30						



ENVIRONEERING, INC.

BORING LOG

ALCAS CUTLERY FACILITY
 OLEAN, NY

DRAWN BY:
 LMG

DATE:
 2-6-02

PROJ. NO.
 137-15

E1371505

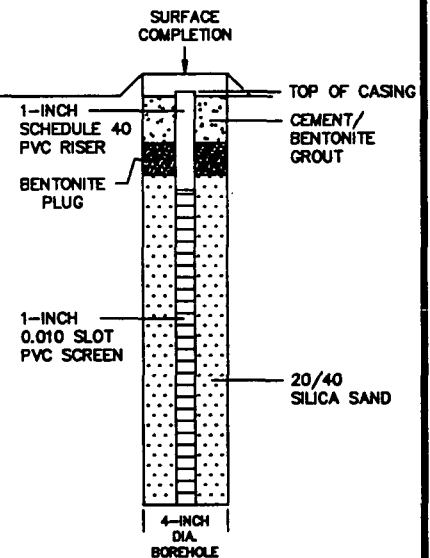
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-06-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-17A

MONITOR WELL RU-17A

DEPTH, FT.	OVA, PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
0						ASPHALT
5						SILTY CLAY, TAN W/GRAVEL & SAND IRON & ORGANIC NODULES
10						CLAYEY SAND, GRAY W/GRAVEL & SILT FEW BURNT WOOD NEAR 4'
15						SILTY CLAY, TAN W/SMALL GRAVEL
20						GRAVELLY CLAY W/SAND & SILT
25						END OF BORING
30						



ENVIRONEERING, INC.

BORING LOG

ALCAS CUTLERY FACILITY
 OLEAN, NY

DRAWN BY:
 LMG

DATE:
 2-6-02

PROJ. NO.
 137-15

E1371506

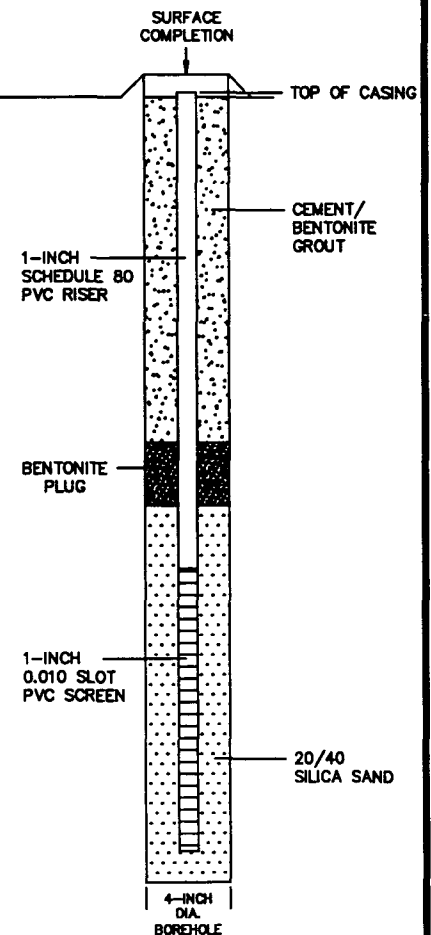
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-05-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-17B

MONITOR WELL RU-17B

DEPTH, FT.	OVA, PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
						ASPHALT
0						SILTY CLAY, TAN W/GRAVEL & SAND FEW IRON & ORGANIC NODULES GRAY NEAR 4' W/BURNT WOOD CHIPS
-5						CLAYEY SAND, GRAY W/GRAVEL & SILT
0						MOIST
-10						GRAVELLY CLAY W/SAND & SILT SAND LAYER @ 15.2'
-15						LARGE MARBLE SIZE GRAVEL GREENISH
						SANDY CLAY, GREEN W/GRAVEL GRAVEL W/SILT & SAND
-20						GRAVELLY SAND
						CLAY, FIRM GRAY W/LARGE MARBLE SIZED GRAVEL
-25						END OF BORING
-30						



ENVIRONEERING, INC.

BORING LOG

ALCAS CUTLERY FACILITY
OLEAN, NY

DRAWN BY:
LMG

DATE:
2-6-02

PROJ. NO.
137-15

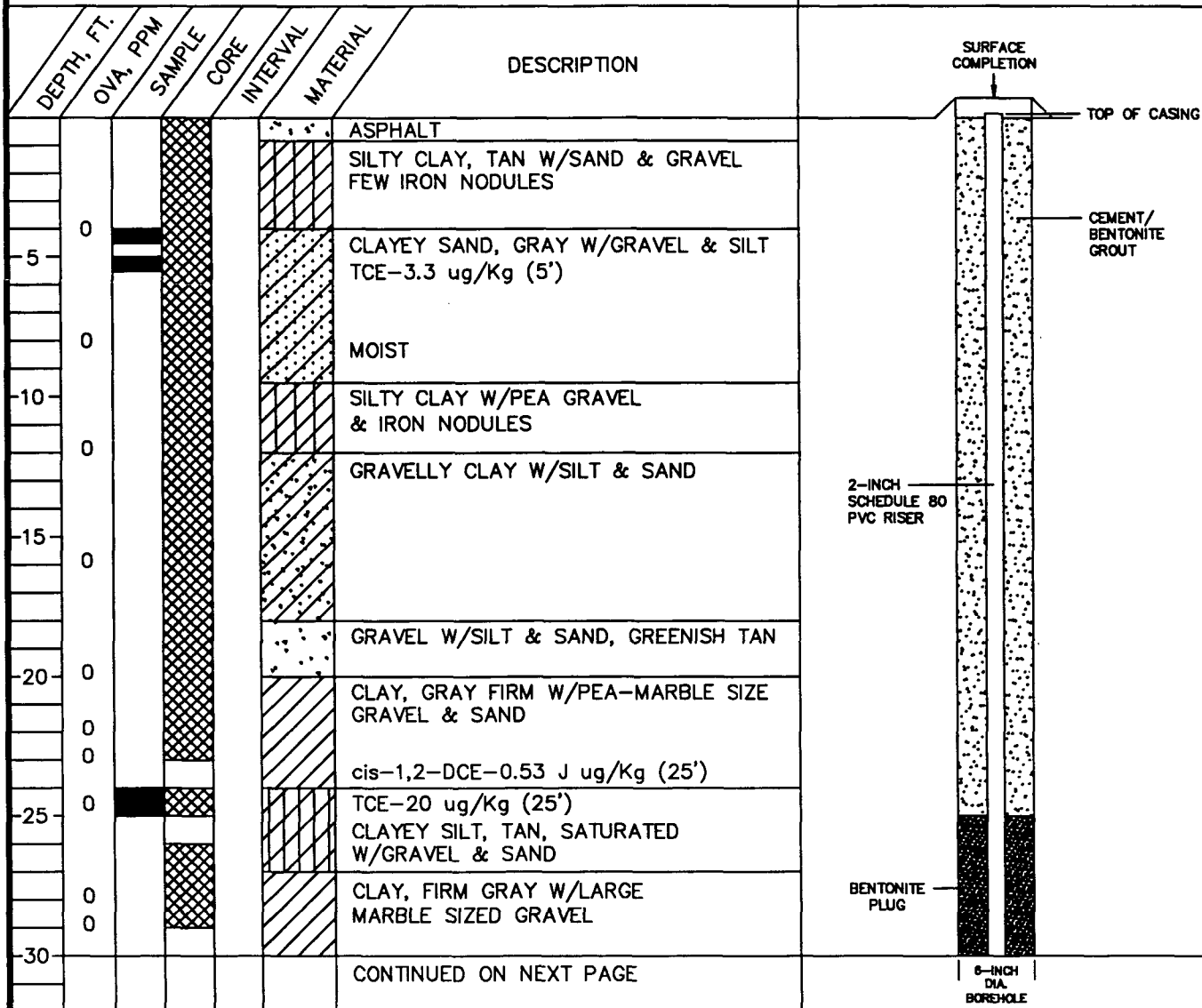
E1371507

DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-05-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-17C

MONITOR WELL RU-17C



ENVIRONEERING, INC.

BORING LOG

**ALCAS CUTLERY FACILITY
OLEAN, NY**

DRAWN BY:
LMG

DATE:
2-6-02

PROJ. NO.
137-15

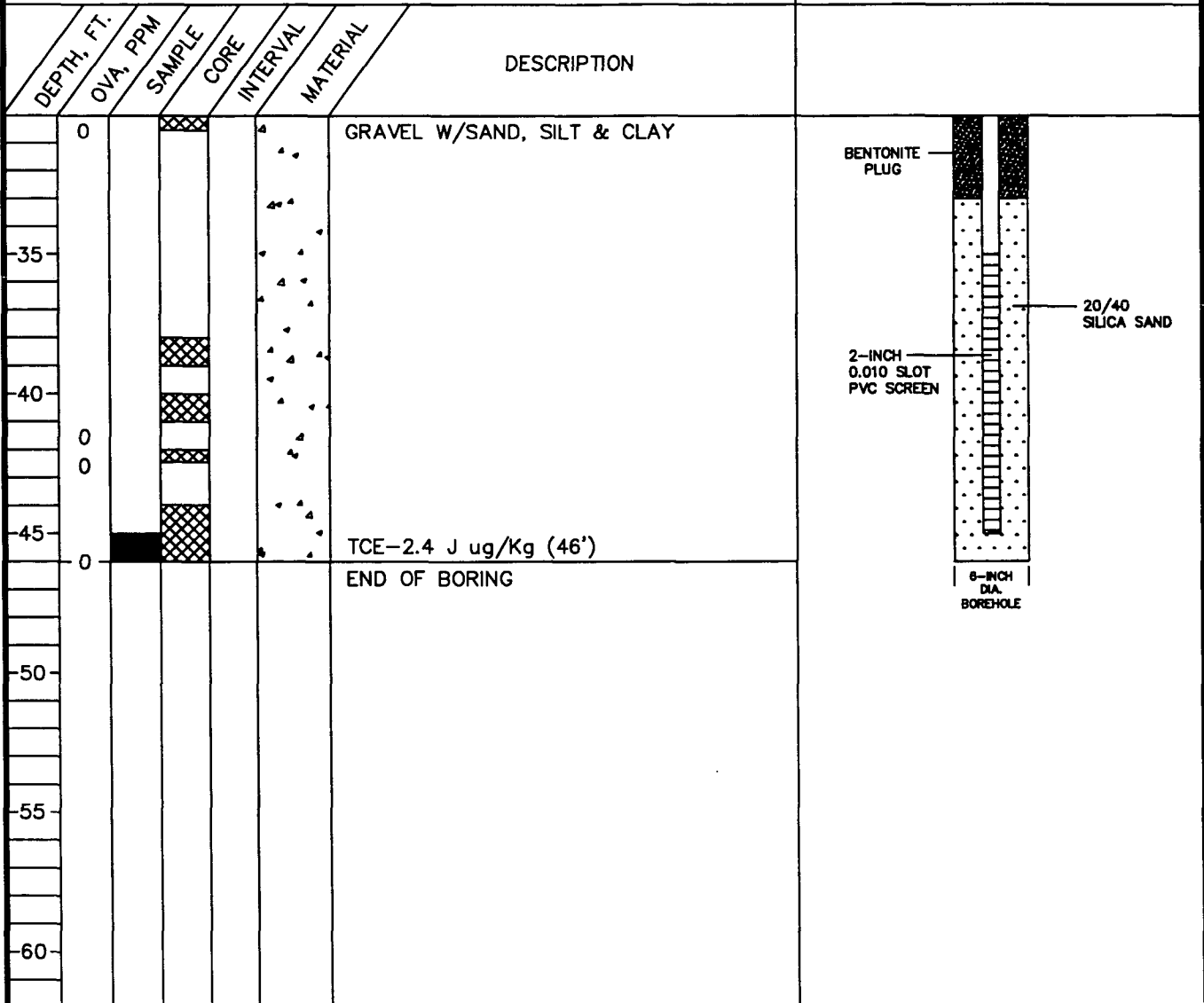
E1371508a

DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-05-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-17C (Continued)

MONITOR WELL RU-17C (Cont.)



ENVIRONEERING, INC.

BORING LOG

ALCAS CUTLERY FACILITY
 OLEAN, NY

DRAWN BY:
 LMG

DATE:
 1-26-02

PROJ. NO.
 137-15

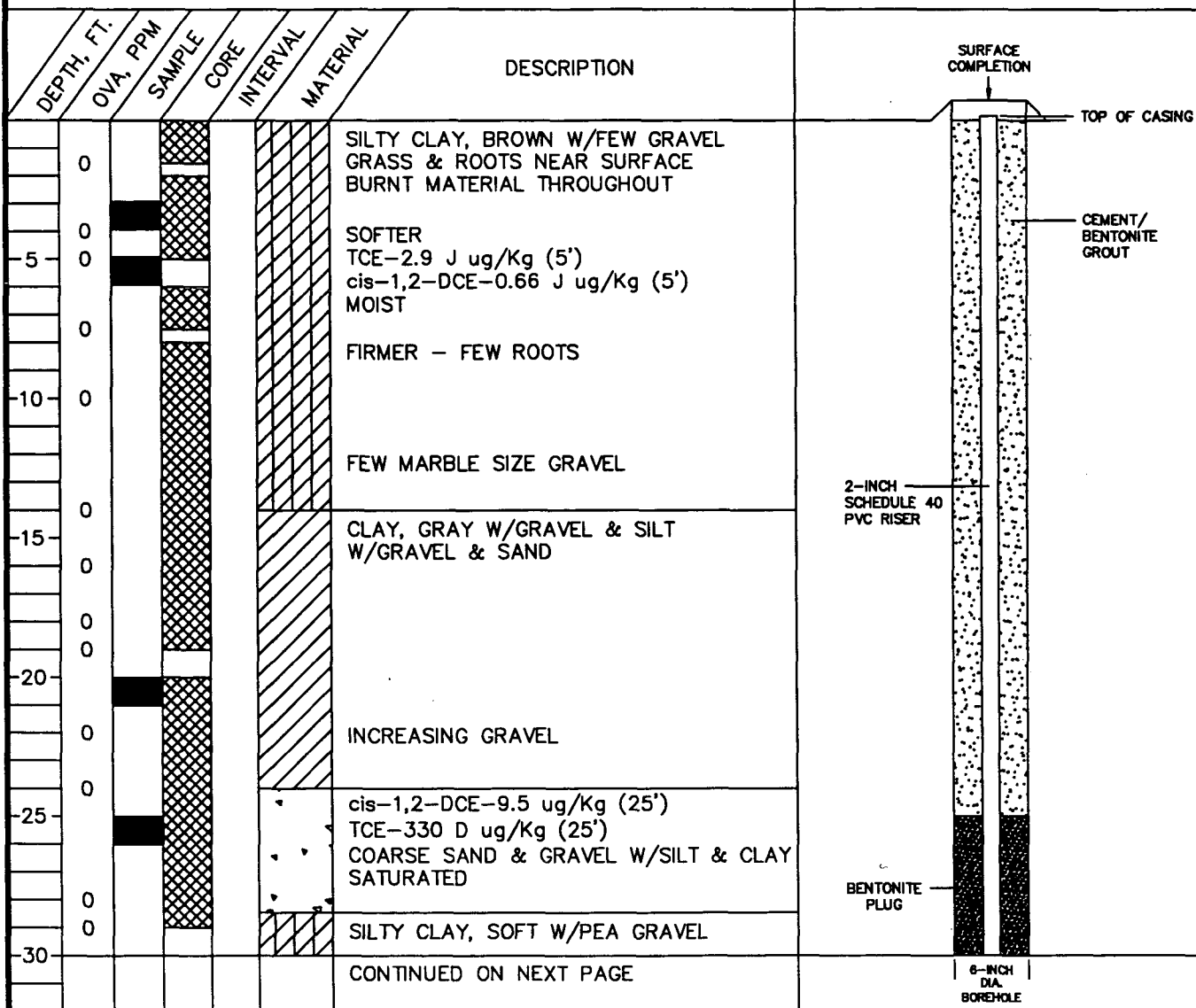
E1371508b

DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-07-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-18

MONITOR WELL RU-18



ENVIRONEERING, INC.

BORING LOG

**ALCAS CUTLERY FACILITY
OLEAN, NY**

DRAWN BY:
LMG

DATE:
1-26-02

PROJ. NO.
137-15

E1371509a

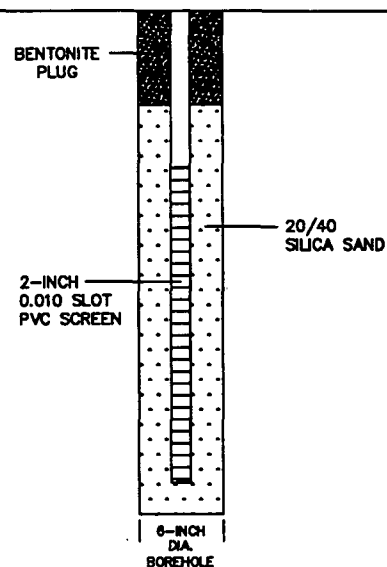
DRILLER: TED BESTOF GEOLOGIST: J. BYRD
 WORK ORDER: 137-15 CLIENT: ALCAS, INC.
 DATE COMPLETED: 09-07-01 LOCATION: 1116 E. STATE STREET
 METHOD: GEOPROBE OLEAN, NY

NOTES: _____

SOIL BORING RU-18 (Continued)

MONITOR WELL RU-18 (Cont.)

DEPTH, FT.	OVA, PPM	SAMPLE	CORE	INTERVAL	MATERIAL	DESCRIPTION
0						GRAVEL, COARSE W/SAND & SILT
35						
40						
45						TCE-150 ug/Kg (46')
						cis-1,2-DCE-4.3 J ug/Kg (46')
						END OF BORING
50						
55						
60						



ENVIRONEERING, INC.

BORING LOG

ALCAS CUTLERY FACILITY
 OLEAN, NY

DRAWN BY:
 LMG

DATE:
 1-26-02

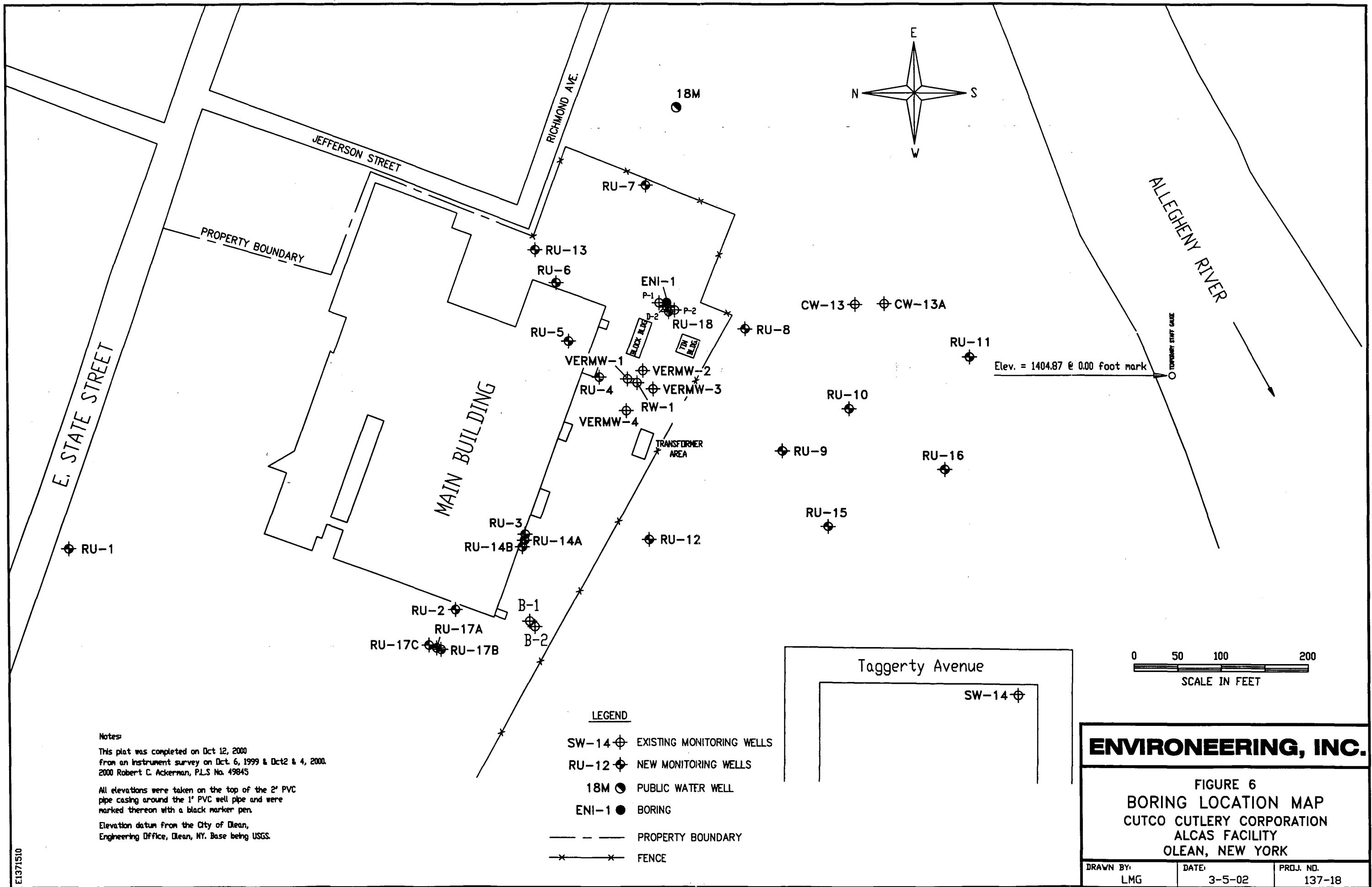
PROJ. NO.
 137-15

E1371509b

ENVIRONEERING, INC.

SECTION 3

Maps and Figures



ENVIRONEERING, INC.

SECTION 4

Field Notes

9/7/01 137-015 Byrd
Alcas Facility 1116 E. State St.
Olean NY

0710 arrive @ site

Have "tailgate" meeting

By signing below, persons
acknowledge attending

meeting & understanding safety
& safety concerns @ site

[Handwritten signatures]

9/7/01 137-15 Byrd 70
Alcas Facility Olean NY

0800 setup on LV-18 PIN

weather: clear ~ 58-60°F

0-1.5 brown silty clay w/ few
gravel. grass & roots near surface
burnt material through out

1.5-2 no rec

2-4 SAA

4-5 SAA - softer

5-6 no rec

6-7.5 SAA moist

7.5-8 no rec

8-10 SAA firmer - few roots

10-12 SAA

12-14 SAA w/ few marble size
gravel

14-16 gray clay w/ gravel &
silt

137-15 9/7/01 13yd
Alcas Facility Olean NY

RV-18 cond

PID

16-18 SAA

0

18-19 SAA

0

19-20 no rec

20-22 SAA

0

22-24 SAA w/ increasing
gravel

0

24-28 coarse sand & gravel

0

Soft w/ silt & clay (gray)

28-28.5 SAA

28.5-29 Soft silty clay w/
pea gravel

0

29-30 no rec

30-30.2 coarse gravel w/ sand
& silt (tan)

0

30.2-32 no rec

9/7/01 137-15 13yd 72
Alcas Facility Olean NY

RV-18 cond

PID

32-34 SAA

0

34-38 SAA

0

38-40 SAA

0

40-42 SAA

0

42-44 SAA

0

44-46 SAA

0

Flaming sands in well

try to raise augers.

1130 rig not working right

drillers working on it

1245 center pipe comes free

begin to set well

RV-18 3-4 ✓

RV-18 20-21 ✓

RV-18 45-46 ✓

0830 RV-18-SL-05

0900 RV18-SL-25

1000

RV18-SL-46

137-15 9/7/01 Byrd
Alcas Facility, Olean NY
RV-18 conid

1230 Set well
45-35 screen
35-0 riser
45-33 sand
33-25 seal
25-0 grout

1200 RV-18 set

1610 Set Geoprobe rig back on
RV-14B (UZ well) location
to replace

1730 RV-14B re-set @ 24'

1800 Drillers Leave

1830 Leave site after arguing
RV-18 & removing on
additional 16 gallons
to dry

137-15 9/8/01 Byrd 74
Alcas Facility 1116 E. State St
Olean New York

0600 arrive @ site

0615 Drillers arrive @ site &
begin to decon augers

0700 Set up on RV-17C (LZ well)

PID

0-0.9 asphalt

0.9-4 tan silty clay w/ sand & gravel
few iron nodules

4-8 gray clayey sand w/ gravel
& silt RV-17C 4-5 ✓

8-9.5 SAT moist RV-17C 5' 0800 ✓

9.5-12 silty clay w/ pea gravel
& iron nodules

12-16 gravelly clay w/ silt & sand

16-18 SAT

18-20 gravel w/ silt & sand-gravel
tan

137-15	9/8/01	Byrd	
Alcas Facility		O/conn NY	
RV-17C corid		PTD	
20-22	Firm gray clay w/pea-marble	0	
	size gravel & sand		
22-23	SAA	0	
23-24	no rec		
24-24.5	Sat. tan clayey silt	0	
	w/gravel & sand		
24.5-26	no rec		<u>RV-17C 24-25</u> ✓
26-27	SAA		<u>RV-17C 25' 0930</u> ✓
27-28	Firm gray clay w/marble	0	
	size gravel & silt & sand		
28-29	SAA	0	
29-30	no r		
30-30.5	gravel w/sand, silt & clay	0	
30.5-32	no rec		
32-38	no rec		
38-57	gravel - SAA		

137-15	9/8/01	Byrd	76
Alcas Facility		O/conn NY	
RV-17C corid		PID	
39-40	no rec		
40-41.5	SAA		0
41.5-42	no rec		
0920	material rising in augers & locking drill pipe drillers are removing augers and are placing a plug on the bottom of augers		
1000	augers out - lead auger not attached - drillers don't have extra augers & will have to have one brought down		
1100	Drillers leave to Buffalo Go Help Scott Christ sample wells		

137-15 9/8/01 Byrd

Alcas Facility Ocean NP

OTW

M RU-4 13.01

RU-5 13.10

VERM Wells were all
under water removed
water yesterday

VERMW-1 10.61

-3 8.43

RW-1 12.07

1500 begin to develop

RU-17BC (12 well)

1530 well developed

Turb. 8 8.5 7.9

pH 6.98 6.95 6.94

Temp 21.2 21.3 21.2

SC 650 640 650

137-15 9/8/01 Byrd 78

Alcas Facility Ocean NP

Sample RU-4 1550

pH 7.31 7.28 7.31

Temp 20.9 20.8 20.0

SC 1150 1180 1120

Turb 12 8 8

Sample RU-5 1610

pH 7.53 7.58 7.41

Temp 20.1 20.3 20.0

SC 1150 1200 980

Turb 13 15 13

Sample B-1

1700 455-460 B-1 0900

Sample B-2

B-2 0930

1700 leave site

9/10/01 137-15 Byrd
Alcas Facility 1116 E. State St
Olean NY

0730 arrive @ site
overcast & shower
~ 60°F

0810 drillers arrive
they will grout RU-17C hole
with auger in it & start
new one

1000 have drilled to 40'
& begin sampling PLO
40-41 sand & gravel w/ silt/clay 0
very coarse

41-42 none

42-42.5 SAA 0

42.5-44 no rce

44-46 SAA 0

RU-17C 45-46

RU-17C 46' 1100

9/10/01 137-15 Byrd 80
Alcas Facility Olean NY
Set RU-17C

45-35 screen

35-0 misc

45-33 sand

33-25 seal

25-0 grout

Collect a composite sample
of soil drums

DESC 1130

~~water drums~~

Gauge RU-17B

DTW - 13.89 see note
below

DTB - 23.5

prepare to develop - no water

check level again - W.L.

was ringing on screen

1140 break for lunch

9/10/01 137-08 *Byrd*
Alcas Facility 1116 E State St.
Olean NY

1245 return to site continue
to work on RU-2 bailer
removal Driller
complete RU-17C

1315 Purge RU-4
Parameters

pH 7.28 temp 20.7
S.C. 1210 turb 16

1345 Go back to RU-2

1430 Pulled bailer out of RU-2
finish purging remove
- 150 mL - dry

1450 go to RU-4 & purge

pH 7.31 temp 20.2
S.C. 1200 turb 15

9/10/01 137-05 *Byrd 82*
Alcas Olean NY

1520 begin to develop
RU-17C

1630 bailer in RU-2 again

1700 bailer retrieved
begin sampling

1710 Drillers leave

RU-2 1720

pH 6.98 6.95 6.97 6.97

temp 20.8 20.8 20.8 20.9

S.C. 675 680 700 650

turb 8 7 8 9

1730 leave site

09-10-01	150-01	Pyro
OU-1 GW Monitoring		
Gauge Wells		
	DTW	DTB
0-2	25.30	34
AKX5-D	22.62	43
CW-4A	12.38	29
CW-4	14.19	64.5
CW-10A	34.21	34.5
CW-10	34.24	96
CW-9A	26.36	49
CW-9	25.71	80
CW-15	12.31	
CW-15A	17.91	
CW-13	18.94	
G Gauge	0.02	river
A-2	34.46	70
CW-18A	14.02	31
CW-18	31.73	92

09-10-01	137-15	Pyro	84
Alcos Facility	1116 E. state		
near New York			
0700	arrive @ site w/ Driller		
	helper Don Morris		
	Hold tailgate meeting		
	cover safety concerns of		
	COC & Drilling		

[Signature]

0715	Gauge	RV-17C
	DTW	26.70
	DTB	44
	Purge well	22 Gal
	pH	6.84 6.80 6.87 6.77
	temp	20.5 20.6 20.5 20.4
	S.C.	580 580 600 610
	turb	16 16 19 14

RV-17C 0900

9-11-01 137-15 Byrd

Alcos Facility Olean N.Y.

0900 weather: foggy & ~60°F

0930 collect water sample
from storage drums

[DWC 0940]

1015 leave site

10-5-00 137-08

Byrd

Alcas Facility, 1116 E State St
Olean New York

0800 arrive @ site

begin working on RU-2

label all Drums as Haz

- 3 soil

- 1 Porge

- 3 decon

1500 leave site

Byrd

9/5/01

137-08

Byrd 54

Alcas Facility, 1116 E State St,
Olean NY

0700 arrive @ site w/ Scott Christ

0730 Drillers arrive

Ted Beator driller

0800 set up Geoprobe on RU-14B

0815 rig quite - drillers repairing

0840 begin pushing

0-3 brown clay w/ gravel & sand 0
black "bond" material near surface
no odor

3-4 no rec

4-8 no rec

5-12 brown clay w/ gravel, sand 0
& silt; moist no odor

G [RU-14B 8-9] ✓

9/5/01 137-05 ~~Byrd~~
 Alcas Facility
 RU-14B con'd
 12-15 SAA greenish incolor 0
 no odor
 15-16 no rec
 16-16.8 SAA w/ large marble size 0
 gravel
 16-8 refusal - no rec
 17-20 grey/brown clayey sand w/ gravel 0
 + silt
 CcG RU-14B 13-14 ✓
RU-14B 19-20 ✓
 20-22.5 SAA moist 0
 22.5 refusal - move over ~2' 0
 + push to 22'
 see pg 57
RU-14B 8' 0900

9/5/01 137-15 ~~Byrd~~ 56
 Alcas Facility Olean NY
 10:00 Set up RU-13
 0-3 brown clay w/ sand 0
 + gravel roots + grass near surface
 3-4' SAA w/ larger gravel 0
 4-8 SAA moist + silty 0
 G RU-13 6-7' ✓
 8-12 SAA very moist near 10-11' 0
 no odor
 11-12 no rec
 12-13 SAA grey sand w/ gravel + 0
 sat. silt
 13-16 Firm clay w/ gravel + sand 0
 few iron nodules
 G RU-12 12-13' ✓
RU-13 15-16' ✓
 16-20 SAA w/ small gravel 0
 20-11' screen 20-9 sand
 11-0 riser 9-7 seal
 7-0 grout

9/5/01 137-15 Byrd

Alcas Facility Olean NY

RU-13 cond

Analytical samples

RU-13 9' 11:00

RU-13 20' 11:10

11:15 begin setting RU-13

12:45 leave for lunch RU-13

sealed & Hydrated

13:30 return to site & to move

back to RU-14B

13:45 Robert Prezbindowski

arrives @ site

RU-14B cond

22-24 gray gravelly sand w/ clay & silt

24-26 SAA

G RU-14B 24-25' ✓

RU-14B 25' 1700

9/5/01 137-15 Byrd 58

Alcas Facility Olean NY

RU-14B completion

25-16 screen

16-0 riser

25-14 Seal sand 00 size

14-12 Seal

12-0 grout

1700 Prezbindowski leaves site

1800 Drillers completed RU-14 & leave site

1900 leave site

9/6/01 137-15 Byrd
Alcas Facility 1116 E. State St
Oleon NY

0700 arrive @ site w/ Scott Christ

0715 Drillers arrive have
tailgate meeting

By signing below all parties
present have understood
& will abide by all safety
concerns

Byrd
Christ
[Signature]
[Signature]

Weather ~50°F & foggy

9/6/01 137-15 Byrd 40
Alcas Facility Oleon NY

0820 begin coring for RU-17
wells

0845 cored 2 layers of asphalt
& hit concrete. Asked Mr
Litteer of Cutco about
possible underground lines in
the area.

0915 Mr. Litteer said area was
clear & to continue.

0945 3 holes cored for RU-17A & B
Set up on RU-17 B PID

0-0.9 Asphalt

0.9-4 tan silty clay w/ gravel sand &
few iron & organic nodules

gray near 4' w/ burnt wood chips

4-8 gray clayey sand w/ gravel &
s.l.t

9/6/01 137-05 Byrd
Alcas Facility Ocean NY

RV-17 cond

G [RV-17B 5-6'] ✓

8-9 STA moist

9-12 tan silty clay with small
gravel & few iron nodules

G [RV-17B 9-10'] ✓

12-12.5 SAA

12.5-16 Gravelly clay w/ sand & silt
sand layer @ 15.2'

16-17 SAA [RV-17B 13-14] ✓

17-18 Green sandy clay w/ gravel

18-18.5 gravel w/ silt & sand

18.5-20 no rec

20-21 gravel sand

21-23 Firm gray clay w/ large
particle size gravel

23-24 no rec.

9/6/01 137-05 Byrd 62
Alcas Facility Ocean NY

RV-17B cond

G [RV-17B 18-19] ✓

RV-17B 22-23 ✓

set well

24-15 screen

15-0 riser

25-13 sand

13-11 seal

11-0 grout

1145 Finish well & break for lunch

1300 set upon RV-17B PTO

0-0.9 asphalt

09-4 tan silty clay w/ gravel & sand
iron & organic nodules

4-8 gray clayey sand w/ gravel silt
& few burnt wood near 4'

9/6/01 137-05 Byrd

Alcas Facility Olean NY

8 RV-17A cond

Weather Sunny ~78°F

8-9.5 SAA

9.5-12 tan silty clay w/small gravel

12-13 Gravelly clay w/sand & silt

Set well

13-3 screen

3-0 riser

13-2.5 sand

13-2.5-1.5 seal

1.5-0 gravel

1350 Set up on RV-14A P10

0-3 brown clay w/gravel & sand 0

4-5 SAA

5-8 brown/tan clay w/gravel

sand & silty

8-12 SAA moist

12-13 SAA

9/6/01 137-05 Byrd

64

Alcas Facility Olean NY

RV-14A cond

1350 set well

13-3 screen

3-0 riser

13-2 sand

2-1.5 seal

1.5-0 gravel

1415 move to Mr. Baileys

1500 Set up on RV-15 P10

0-4 brown clay w/iron nodules
& root traces

4-5.5 SAA

[RV-15 2-3] ✓

5.5-8 red clay sand w/small
gravel

[RV-15 6-7] ✓

9/6/01 137-15 73yd
Alcos Facility Mr. Baileys Property
RV-15 cond

8-11 SAA - coarse gray sand

10.7-11'

Sat. silt layer @ 10.5-11

10-10.5

11-12 no rec.

12-16 stiff gray clay w/ gravel
& sand

RV-15 13-14 ✓

4610 Set well

16-7 screen

7-0 riser

16-5 sand

5-3 seal

3-0 grout

9/6/01 137-15 73yd 66
Alcos Facility Open RV
Mr. Baileys Property

1610 Set upon RV-16 P24

0.4 brown clay w/ sand 0

& silt few gravel

RV-16 2-3' ✓

4-5.5 reddish brown clayey sand
w/ few gravel

5.5-6.5 soft silty clay

6.5-8 brown sand w/ ^{few} gravel & silt

RV-16 4-5 ✓

8-11 Sat. brown sand w/ silt & clay
very few gravel

RV-16 9-10 ✓

11-12 no rec.

12-13.5 SAA

13.5-14.5 firm gray clay w/ large
gravel

09/08/01 137-15

Alcas Facility

RV-16 cond

[RV-16 14-15] ✓

14.5-16 no rec

16-18 SAA.

Set well

18-9 screen

9-0 riser

18-7 sand

7-5 Seal

5-0 grout

1810 Dr RV-17B is damaged. cannot
get bailer down well. Have drillers
look @ well. Riser is broken
on top of screens. Do not
have any more prepack screens
Drillers will have more regular
screen tomorrow.

9/9/01

137-15

Alcas Facility Open N'G

1830 Drillers leave site

Help Scott develop wells

1930 leave site

68

ENVIRONEERING, INC.

SECTION 5

Laboratory Data Sheets

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU-13 9

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-006

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C4460

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 16.3 Date Analyzed: 09/18/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	12	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	5.9	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	5.9	U
79-01-6-----	TRICHLOROETHENE	2.0	J
127-18-4-----	TETRACHLOROETHENE	5.9	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU-13 20

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-007

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C4461

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 11.2 Date Analyzed: 09/18/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	11	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	5.6	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	5.6	U
79-01-6-----	TRICHLOROETHENE	5.6	U
127-18-4-----	TETRACHLOROETHENE	5.6	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU14-SL-8

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-001

Sample wt/vol: 4.9 (g/mL) G Lab File ID: C4453

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 20.0 Date Analyzed: 09/18/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	13	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	6.3	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	1.0	J
79-01-6-----	TRICHLOROETHENE	9.4	
127-18-4-----	TETRACHLOROETHENE	6.3	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU14-SL-25

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-002

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C4454

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 12.6 Date Analyzed: 09/18/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----VINYL CHLORIDE	11	U
156-60-5-----TRANS-1 2-DICHLOROETHENE	3.2	J
156-59-2-----CIS-1 2-DICHLOROETHENE	40	
79-01-6-----TRICHLOROETHENE	1900	E
127-18-4-----TETRACHLOROETHENE	5.7	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU14-SL-25DL

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-023

Sample wt/vol: 0.5 (g/mL) G Lab File ID: C4476

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 12.6 Date Analyzed: 09/19/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	110	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	57	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	24	DJ
79-01-6-----	TRICHLOROETHENE	1600	D
127-18-4-----	TETRACHLOROETHENE	57	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU-17C 5

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913091-017

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F8932

Level: (low/med) LOW Date Received: 09/08/01

% Moisture: not dec. 2.4 Date Analyzed: 09/22/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
---------	----------	---	---

75-01-4-----	VINYL CHLORIDE	10	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	5.1	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	5.1	U
79-01-6-----	TRICHLOROETHENE	3.3	
127-18-4-----	TETRACHLOROETHENE	5.1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU-17C 25

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913091-018

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F8933

Level: (low/med) LOW Date Received: 09/08/01

% Moisture: not dec. 3.4 Date Analyzed: 09/22/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	10	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	5.1	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	0.53	J
79-01-6-----	TRICHLOROETHENE	20	
127-18-4-----	TETRACHLOROETHENE	5.1	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU-17C 46

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913091-019

Sample wt/vol: 5.0 (g/mL) G Lab File ID: F8934

Level: (low/med) LOW Date Received: 09/10/01

% Moisture: not dec. 7.6 Date Analyzed: 09/22/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	11	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	5.4	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	5.4	U
79-01-6-----	TRICHLOROETHENE	2.4	J
127-18-4-----	TETRACHLOROETHENE	5.4	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU18-SL-05

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-003

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C4457

Level: (low/med) LOW Date Received: 09/07/01

% Moisture: not dec. 20.2 Date Analyzed: 09/18/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	13	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	6.2	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	0.66	J*
79-01-6-----	TRICHLOROETHENE	2.9	J
127-18-4-----	TETRACHLOROETHENE	6.2	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU18-SL-25

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-004

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C4458

Level: (low/med) LOW Date Received: 09/07/01

% Moisture: not dec. 14.0 Date Analyzed: 09/18/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	12	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	5.8	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	9.5	
79-01-6-----	TRICHLOROETHENE	490	E
127-18-4-----	TETRACHLOROETHENE	5.8	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU18-SL-25DL

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-024

Sample wt/vol: 1.0 (g/mL) G Lab File ID: C4479

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. 14.0 Date Analyzed: 09/19/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	58	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	29	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	4.4	DJ
79-01-6-----	TRICHLOROETHENE	330	D
127-18-4-----	TETRACHLOROETHENE	29	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

RU18-SL-46

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) SOIL Lab Sample ID: 913008-005

Sample wt/vol: 5.0 (g/mL) G Lab File ID: C4459

Level: (low/med) LOW Date Received: 09/07/01

% Moisture: not dec. 15.9 Date Analyzed: 09/18/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO. COMPOUND CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG Q

75-01-4-----	VINYL CHLORIDE	12	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	5.9	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	4.3	J
79-01-6-----	TRICHLOROETHENE	150	
127-18-4-----	TETRACHLOROETHENE	5.9	U

FORM 1
VOLATILE ORGANICS ANALYSIS DATA SHEET

CLIENT SAMPLE NO.

TRIP BLANK

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: SAS No.: SDG No.: 913008

Matrix: (soil/water) WATER Lab Sample ID: 913008-008

Sample wt/vol: 5.000 (g/mL) ML Lab File ID: C4415

Level: (low/med) LOW Date Received: 09/05/01

% Moisture: not dec. Date Analyzed: 09/14/01

GC Column: RTX-624 ID: 0.18 (mm) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L	Q
---------	----------	--	---

75-01-4-----	VINYL CHLORIDE	2.0	U
156-60-5-----	TRANS-1 2-DICHLOROETHENE	1.0	U
156-59-2-----	CIS-1 2-DICHLOROETHENE	1.0	U
79-01-6-----	TRICHLOROETHENE	1.0	U*
127-18-4-----	TETRACHLOROETHENE	1.0	U

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-1

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEMA Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-001

Date Received: 09/08/2001

Lab File ID: A2185

Date Analyzed: 09/17/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.95	
79-01-6	Trichloroethene	5.2	
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-1

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-001

Date Received: 09/08/2001

Lab File ID: A2185

Date Analyzed: 09/17/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	354-23-4	ETHANE, 1,2-DICHLORO-1,1,2-T	2.58	0.81	NJ
02		CIS-1,3-DICHLOROPROPENE-D4	7.39	1.9	JB
03	124-19-6	NONANAL	14.27	1.1	NJ
04	112-31-2	DECANAL	15.53	0.59	NJ
05					
06					
07					
08					
09					
10					
11					
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30					

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-2

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-020

Date Received: 09/14/2001

Lab File ID: A2228

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.11	J
156-59-2	cis-1,2-Dichloroethene	5.2	
79-01-6	Trichloroethene	37	E
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-2

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-020

Date Received: 09/14/2001

Lab File ID: A2228

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 5

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		UNKNOWN	1.70	2.0	J
02	67-64-1	ACETONE	2.89	0.69	NJ
03		CIS-1,3-DICHLOROPROPENE-D4	7.40	1.9	JB
04	108-88-3	TOLUENE	7.77	4.2	NJ
05		UNKNOWN	13.16	0.60	J
06					
07					
08					
09					
10					
11					
12					
13					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-2DL

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-029

Date Received: 09/14/2001

Lab File ID: A2232

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 10.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	5.0	U
156-60-5	trans-1,2-Dichloroethene	5.0	U
156-59-2	cis-1,2-Dichloroethene	3.6	DJ
79-01-6	Trichloroethene	25	D
127-18-4	Tetrachloroethene	5.0	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

RU-2DL

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: Client No.: SDG No.: 913001

Lab Sample ID: 913091-029 Date Received: 09/14/2001

Lab File ID: A2232 Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML) Dilution Factor: 10.0

GC Column: RTX-624 ID: 0.18 (MM) Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	19	JBD
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-4

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEMA Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-007

Date Received: 09/14/2001

Lab File ID: A2247

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 20000.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	10000	U
156-60-5	trans-1,2-Dichloroethene	10000	U
156-59-2	cis-1,2-Dichloroethene	9700	J
79-01-6	Trichloroethene	310000	
127-18-4	Tetrachloroethene	10000	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-4

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-007

Date Received: 09/14/2001

Lab File ID: A2247

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 20000.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.39	36000	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-5

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-008

Date Received: 09/14/2001

Lab File ID: A2246

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 2000.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	1000	U
156-60-5	trans-1,2-Dichloroethene	1000	U
156-59-2	cis-1,2-Dichloroethene	150	J
79-01-6	Trichloroethene	24000	
127-18-4	Tetrachloroethene	1000	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

RU-5

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-008

Date Received: 09/14/2001

Lab File ID: A2246

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 2000.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
==	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	3800	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-6

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-002

Date Received: 09/08/2001

Lab File ID: A2196

Date Analyzed: 09/17/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1000.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	500	U
156-60-5	trans-1,2-Dichloroethene	500	U
156-59-2	cis-1,2-Dichloroethene	230	J
79-01-6	Trichloroethene	16000	
127-18-4	Tetrachloroethene	500	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

RU-6

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-002

Date Received: 09/08/2001

Lab File ID: A2196

Date Analyzed: 09/17/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1000.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.39	2000	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-8

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-003

Date Received: 09/08/2001

Lab File ID: A2195

Date Analyzed: 09/17/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 20.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	10	U
156-60-5	trans-1,2-Dichloroethene	10	U
156-59-2	cis-1,2-Dichloroethene	24	
79-01-6	Trichloroethene	300	
127-18-4	Tetrachloroethene	10	U

1LCF
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-8

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-003

Date Received: 09/08/2001

Lab File ID: A2195

Date Analyzed: 09/17/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 20.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.39	39	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-9

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-012

Date Received: 09/14/2001

Lab File ID: A2221

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.094	J
156-59-2	cis-1,2-Dichloroethene	2.8	
79-01-6	Trichloroethene	5.9	
127-18-4	Tetrachloroethene	0.50	U

1LCF
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-9

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-012

Date Received: 09/14/2001

Lab File ID: A2221

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 6

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	1.9	JB
02		UNKNOWN	15.39	0.85	J
03		UNKNOWN	15.44	2.0	J
04		UNKNOWN	15.53	2.3	J
05		UNKNOWN	15.72	1.3	J
06		UNKNOWN	15.83	1.0	J
07					
08					
09					
10					
11					
12					
13					
14					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-10

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-005

Date Received: 09/14/2001

Lab File ID: A2241

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 100.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	79	
156-60-5	trans-1,2-Dichloroethene	15	J
156-59-2	cis-1,2-Dichloroethene	950	
79-01-6	Trichloroethene	2000	
127-18-4	Tetrachloroethene	50	U

1LCF
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

RU-10

Lab Name: EN CHEM Contract: ALCAS
 Lab Code: ENCHEM Case No.: Client No.: SDG No.: 913001
 Lab Sample ID: 913091-005 Date Received: 09/14/2001
 Lab File ID: A2241 Date Analyzed: 09/21/2001
 Purge Volume: 25.0 (ML) Dilution Factor: 100.0
 GC Column: RTX-624 ID: 0.18 (MM) Length: 20.0 (M)
 Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	190	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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25					
26					
27					
28					
29					
30					

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-11

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-009

Date Received: 09/14/2001

Lab File ID: A2230

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
79-01-6	Trichloroethene	0.82	
127-18-4	Tetrachloroethene	0.50	U

1LCF
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

RU-11

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: Client No.: SDG No.: 913001

Lab Sample ID: 913091-009 Date Received: 09/14/2001

Lab File ID: A2230 Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML) Dilution Factor: 1.0

GC Column: RTX-624 ID: 0.18 (MM) Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	1.9	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-12

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-006

Date Received: 09/14/2001

Lab File ID: A2225

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	4.5	
156-60-5	trans-1,2-Dichloroethene	0.49	J
156-59-2	cis-1,2-Dichloroethene	9.1	
79-01-6	Trichloroethene	3.8	
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-12

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-006

Date Received: 09/14/2001

Lab File ID: A2225

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 7

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.41	1.9	JB
02		UNKNOWN	15.39	1.7	J
03		UNKNOWN	15.44	4.2	J
04		UNKNOWN	15.54	3.6	J
05		UNKNOWN	15.67	0.54	J
06		UNKNOWN	15.72	1.7	J
07		UNKNOWN	15.83	2.9	J
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-13

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-004

Date Received: 09/14/2001

Lab File ID: A2220

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
79-01-6	Trichloroethene	0.61	
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-13

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-004

Date Received: 09/14/2001

Lab File ID: A2220

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 11

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	75-15-0	CARBON DISULFIDE	2.91	0.76	NJ
02		CIS-1,3-DICHLOROPROPENE-D4	7.39	2.0	JB
03	66-25-1	HEXANAL	8.81	0.61	NJ
04	124-19-6	NONANAL	14.28	1.6	NJ
05		UNKNOWN	15.12	0.76	J
06		UNKNOWN	15.30	0.80	J
07		UNKNOWN	15.38	1.8	J
08		UNKNOWN	15.43	2.9	J
09		UNKNOWN	15.53	2.0	J
10		UNKNOWN	15.57	0.91	J
11		UNKNOWN	15.83	0.92	J
12					
13					
14					
15					
16					
17					
18					
19					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-14

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEMA Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-002

Date Received: 09/14/2001

Lab File ID: A2240

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 50.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	25	U
156-60-5	trans-1,2-Dichloroethene	25	U
156-59-2	cis-1,2-Dichloroethene	130	
79-01-6	Trichloroethene	560	
127-18-4	Tetrachloroethene	25	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-14

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: Client No.: SDG No.: 913001

Lab Sample ID: 913091-002 Date Received: 09/14/2001

Lab File ID: A2240 Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML) Dilution Factor: 50.0

GC Column: RTX-624 ID: 0.18 (MM) Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		CIS-1,3-DICHLOROPROPENE-D4	7.41	91	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
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29					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-15

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

9DG No.: 913001

Lab Sample ID: 913091-016

Date Received: 09/14/2001

Lab File ID: A2224

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	1.6	
156-60-5	trans-1,2-Dichloroethene	0.28	J
156-59-2	cis-1,2-Dichloroethene	7.7	
79-01-6	Trichloroethene	5.7	
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-15

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-016

Date Received: 09/14/2001

Lab File ID: A2224

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 11

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	75-15-0	CARBON DISULFIDE	2.91	1.1	NJ
02		CIS-1,3-DICHLOROPROPENE-D4	7.40	1.8	JB
03		UNKNOWN	14.64	0.90	J
04		UNKNOWN	15.12	0.54	J
05		UNKNOWN	15.31	0.64	J
06		UNKNOWN	15.36	0.94	J
07		UNKNOWN	15.38	1.2	J
08		UNKNOWN	15.44	3.1	J
09		UNKNOWN	15.54	2.5	J
10		UNKNOWN	15.72	1.0	J
11		UNKNOWN	15.83	1.1	J
12					
13					
14					
15					
16					
17					
18					
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20					
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23					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-16

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-011

Date Received: 09/14/2001

Lab File ID: A2231

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.62	
156-59-2	cis-1,2-Dichloroethene	3.9	
79-01-6	Trichloroethene	19	
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-16..

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-011

Date Received: 09/14/2001

Lab File ID: A2231

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 3

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	1.9	JB
02	124-19-6	NONANAL	14.29	0.53	NJ
03	112-31-2	DECANAL	15.53	1.1	NJ
04					
05					
06					
07					
08					
09					
10					
11					
12					
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14					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-17C

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-022

Date Received: 09/14/2001

Lab File ID: A2226

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.16	J
79-01-6	Trichloroethene	1.7	
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

RU-17C

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-022

Date Received: 09/14/2001

Lab File ID: A2226

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 4

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.41	1.8	JB
02	108-88-3	TOLUENE	7.77	1.1	NJ
03	106-42-3	P-XYLENE	9.86	0.56	NJ
04		UNKNOWN	14.29	0.63	J
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

RU-18

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-003

Date Received: 09/14/2001

Lab File ID: A2244

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 250.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	130	U
156-60-5	trans-1,2-Dichloroethene	130	U
156-59-2	cis-1,2-Dichloroethene	350	
79-01-6	Trichloroethene	3400	
127-18-4	Tetrachloroethene	130	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

RU-18

Lab Name: EN CHEM Contract: ALCAS

Lab Code: ENCHEM Case No.: Client No.: SDG No.: 913001

Lab Sample ID: 913091-003 Date Received: 09/14/2001

Lab File ID: A2244 Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML) Dilution Factor: 250.0

GC Column: RTX-624 ID: 0.18 (MM) Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	470	JB
02					
03					
04					
05					
06					
07					
08					
09					
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11					
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13					
14					
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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
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EPA SAMPLE NO.

B-1

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-001

Date Received: 09/14/2001

Lab File ID: A2222

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.21	J
156-60-5	trans-1,2-Dichloroethene	0.28	J
156-59-2	cis-1,2-Dichloroethene	1.7	
79-01-6	Trichloroethene	0.67	
127-18-4	Tetrachloroethene	0.50	U

1LCF
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-1

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-001

Date Received: 09/14/2001

Lab File ID: A2222

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 2

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01	67-64-1	ACETONE	2.89	0.60	NJ
02		CIS-1,3-DICHLOROPROPENE-D4	7.40	1.9	JB
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
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27					
28					
29					
30					

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

B-2

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-013

Date Received: 09/14/2001

Lab File ID: A2234

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 100.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	50	U
156-60-5	trans-1,2-Dichloroethene	9.2	J
156-59-2	cis-1,2-Dichloroethene	57	
79-01-6	Trichloroethene	1100	
127-18-4	Tetrachloroethene	50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

B-2

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-013

Date Received: 09/14/2001

Lab File ID: A2234

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 100.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	190	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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28					
29					
30					

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

B-2DUP

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-014

Date Received: 09/14/2001

Lab File ID: A2243

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 200.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	42	J
156-60-5	trans-1,2-Dichloroethene	100	U
156-59-2	cis-1,2-Dichloroethene	310	
79-01-6	Trichloroethene	2800	
127-18-4	Tetrachloroethene	100	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

B-2DUP

Lab Name: EN CHEM Contract: ALCAS
 Lab Code: ENCHEM Case No.: Client No.: SDG No.: 913001
 Lab Sample ID: 913091-014 Date Received: 09/14/2001
 Lab File ID: A2243 Date Analyzed: 09/21/2001
 Purge Volume: 25.0 (ML) Dilution Factor: 200.0
 GC Column: RTX-624 ID: 0.18 (MM) Length: 20.0 (M)
 Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	380	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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19					
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21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

CW-13

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-010

Date Received: 09/14/2001

Lab File ID: A2223

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.41	J
79-01-6	Trichloroethene	9.3	
127-18-4	Tetrachloroethene	0.50	U

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 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW-13

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-010

Date Received: 09/14/2001

Lab File ID: A2223

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.40	1.9	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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28					
29					
30					

1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

CW-13 DUP

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-015

Date Received: 09/14/2001

Lab File ID: A2227

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.42	J
79-01-6	Trichloroethene	9.4	
127-18-4	Tetrachloroethene	0.50	U

1LCF
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

CW-13 DUP

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913091-015

Date Received: 09/14/2001

Lab File ID: A2227

Date Analyzed: 09/20/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.41	1.9	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
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30					

1LCA
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEMA Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-005

Date Received: 09/08/2001

Lab File ID: A2249

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
79-01-6	Trichloroethene	0.50	U
127-18-4	Tetrachloroethene	0.50	U

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LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

STORAGE BLANK

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEM Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-005

Date Received: 09/08/2001

Lab File ID: A2249

Date Analyzed: 09/21/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
=====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.39	1.8	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
14					
15					
16					
17					
18					
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1LCA
LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
DATA SHEET

EPA SAMPLE NO.

TRIP BLANK

Lab Name: EN CHEM

Contract: ALCAS

Lab Code: ENCHEMA Case No.:

Client No.:

SDG No.: 913001

Lab Sample ID: 913001-004

Date Received: 09/08/2001

Lab File ID: A2183

Date Analyzed: 09/17/2001

Purge Volume: 25.0 (ML)

Dilution Factor: 1.0

GC Column: RTX-624

ID: 0.18 (MM)

Length: 20.0 (M)

CAS NO.	COMPOUND	CONCENTRATION UNITS: (UG/L)	Q
75-01-4	Vinyl Chloride	0.50	U
156-60-5	trans-1,2-Dichloroethene	0.50	U
156-59-2	cis-1,2-Dichloroethene	0.50	U
79-01-6	Trichloroethene	0.022	J
127-18-4	Tetrachloroethene	0.50	U

1LCF
 LOW CONCENTRATION WATER VOLATILE ORGANICS ANALYSIS
 DATA SHEET TENTATIVELY IDENTIFIED COMPOUNDS EPA SAMPLE NO.

TRIP BLANK

Lab Name: EN CHEM Contract: ALCAS
 Lab Code: ENCHEMA Case No.: Client No.: SDG No.: 913001
 Lab Sample ID: 913001-004 Date Received: 09/08/2001
 Lab File ID: A2183 Date Analyzed: 09/17/2001
 Purge Volume: 25.0 (ML) Dilution Factor: 1.0
 GC Column: RTX-624 ID: 0.18 (MM) Length: 20.0 (M)
 Number TICs found: 1

	CAS NUMBER	COMPOUND NAME	RT	EST. CONC. (UG/L)	Q
====	=====	=====	=====	=====	=====
01		CIS-1,3-DICHLOROPROPENE-D4	7.39	1.8	JB
02					
03					
04					
05					
06					
07					
08					
09					
10					
11					
12					
13					
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