SDMS Document
98441

THE WHITMAN COMPANIES, INC.

Setting the Standard in Environmental Engineering & Management

CHARACTERIZATION REPORT

FOR

ROCKAWAY BOROUGH WELL FIELD SITE
OPERABLE UNIT #3
FOR PROPERTY OF
KLOCKNER & KLOCKNER
ROCKAWAY BOROUGH, NEW JERSEY

VOLUME 1B
ATTACHMENTS

SUBMITTED TO
USEPA-REGION II
EMERGENCY & REMEDIAL RESPONSE DIVISION
NEW YORK, NEW YORK

SUBMITTED BY
THE WHITMAN COMPANIES, INC.
ON BEHALF OF KLOCKNER & KLOCKNER

IN ACCORDANCE WITH
ADMINISTRATIVE ORDER ON CONSENT
INDEX NO. II-CERCLA-95-0104

JANUARY 2001

301129

44 West Ferris Street, East Brunswick, NJ 08816
www.whitmanco.com

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ATTACHMENTS

301131

ATTACHMENT 1

SOIL BORING LOGS

301132

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSGT-1	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER GEOPROBE MACROSAMPLER

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFEE

TOTAL DEPTH 8' DEPTH AT WATER N/A

BUILDING 12
FORMER GASOLINE TANK

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
1, 2, 3, 4, 5, 6, 7		4 FT RECOVERY; 4 FT RECOVERY			0–7' LIGHT BROWN SAND WITH GRAVEL	
7–8	0 PPM		SSGT-1		7–8' LIGHT BROWN SAND WITH SILT AND GRAVEL	DUPLICATE – SSGT-3
8, 9, 10, 11, 12, 13, 14, 15, 16						

301133

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSGT-2	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER GEOPROBE MACROSAMPLER

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFEE

TOTAL DEPTH 8' DEPTH AT WATER N/A

BUILDING 12
FORMER GASOLINE TANK

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
					0-7' LIGHT BROWN SAND WITH GRAVEL, SOME ORGANIC MATTER	
1		4 FT RECOVERY			0.5-7' LIGHT BROWN SAND WITH GRAVEL	
2						
3						
4						
5		4 FT RECOVERY				
6						
7					7-8' LIGHT BROWN SAND WITH SILT AND GRAVEL	
	0 PPM		SSGT-2			
8						
9						
10						
11						
12						
13						
14						
15						
16						

301134

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSWT-1	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 8' DEPTH AT WATER N/A

BUILDING 12
FORMER GASOLINE TANK

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.2	3.5 FT RECOVERY			0-1.5' BROWN SILTY SAND WITH SOME CLAY AND SOME GRAVEL	
1	0.0					
	0.2				1.5-4' BROWN SILTY CLAY WITH FINE SAND	
	1.9					
2	5.3					
	0.8					
3	4.0					
	3.5					
4	1.9				4-4.5' BROWN SILTY SAND WITH CLAY	
					4.5-8' BROWN SILTY CLAY WITH SOME SAND	
5	1.4	4 FT RECOVERY				
	1.1					
6	5.7					
	3.8					
7	6.7		SSWT-1			
8						
9						
10						
11						
12						
13						
14						
15						
16						

301135

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSWT-2	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 8' DEPTH AT WATER N/A

BUILDING 12
FORMER WASTE OIL TANK

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.5	4 FT RECOVERY			0-1.5' BROWN FINE SAND, SOME SILT	
	0.4					
1	0.0					
	0.0					
2	0.0					
	0.0					
3	0,0					
	0.0					
4	0,0	3.75 FT RECOVERY				
	0.0					
5	0.0					
	0.8					
6	1.0					
	0.8					
7	0.2		SSWT-2			
8						
9						
10						
11						
12						
13						
14						
15						
16						

301136

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSCB-1
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC. — SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 3' DEPTH AT WATER N/A

BUILDING 12
CATCH BASIN

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0	1.5 FT RECOVERY			0-3' DARK BROWN SANDY SILT WITH SOME CLAY	
	0					
1	0					
	0					
2	0					
	0		SSCB-1			
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301137

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSLP-1	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12.5' DEPTH AT WATER N/A

BUILDING 12
FORMER LEACHING PIT

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
1		4 FT RECOVERY			0–11.5' SAND WITH GRAVEL	
2						
3						
4						
5		3 FT RECOVERY				
6						
7						
8						
9		3.5 FT RECOVERY				
10						
11						
12			SSLP-1		11.5–12.5' FINE SAND WITH SOME GRAVEL	
13						
14						
15						
16						

301138

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSDP-1	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 4' DEPTH AT WATER N/A

BUILDING 12
FORMER DEGREASER PIT

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0	RECOVERY			0-1' CONCRETE INTO GREY GRAVEL	
1	0	1.5'			1-3' DARK BROWN SILTY CLAY	
2	0					
	0	RECOVERY				
3	0	2'	SSDP-1		3-4' ORANGE BROWN CLAY WITH SOME GRAVEL SAND AT 4'	
4	0					
5						
6						
7						
8						
9						
10						
11						
12						
13						
14					301139	
15						
16						

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-1	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/6/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 15' DEPTH AT WATER 13.5'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.0, 3.6	2.5' FT RECOVERY	SSAW-1		0-1' BROWN SAND WITH SILT, SOME ORGANIC MATERIAL, SOME ASH	
1	0.0, 0.0				1-2.5' ORANGE-BROWN SILT WITH SOME SAND AND GRAVEL	
2	0.4, 9.1				2.5-3.5' SAND WITH SILT AND GRAVEL	
3	2.9, 2.7				3.5-8' ORANGE-BROWN SILTY SAND WITH GRAVEL	
4	0.4, 0.2	4 FT RECOVERY				
5	1.3, 1.6					
6	1.2, 1.0					
7	2.0, 2.0					
8	5.2, 0.0				8-10' BROWN FINE SAND WITH SILT, SMALL GRAVEL	
9	0.0, 0.0					
10	1.9				10-10.5' BROWN SILT WITH SOME CLAY	
	0.6	4 FT RECOVERY			10.5-12' BROWN SILTY CLAY WITH SAND	
11	0.3, 0.9					
12	3.4, 4.4				12-13.5' BROWN SAND WITH SILT SOME GRAVEL, DAMP	DAMP
13	6.2, 0.2		SSAW-1			DAMP
14	0.2, 0.2	3 FT RECOVERY			13.5-15' BROWN CLAY WITH STONE SAND	WET
15						
16						

301140

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-2	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 8' DEPTH AT WATER N/A

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	2.1		SSAW-2		0-1' BROWN TOPSOIL WITH ROCK FRAGMENTS	
1	2.9					
	5.0	3 FT RECOVERY			1-2' BROWN SILTY SAND WITH GRAVEL AND SOME CLAY	
2	5.3					
	4.8				2-2.5' ORANGE-BROWN SILTY CLAY WITH SOME GRAVEL	
	1.2				2.5-6.5' ORANGE-BROWN CLAY WITH SOME GRAVEL	
3						
	0.6					
4	0.0					
	0.0	4 FT RECOVERY				
5	0.0					
	2.1					
6	2.9					
	5.0					
	5.3				6.5-8' BROWN FINE SILTY SAND WITH SOME GRAVEL	
7	4.8					
	1.3		SSAW-2			
8					REFUSAL	
9						
10						
11						
12						
13						
14						
15						
16						

301141

CLIENT: KLOCKNER & KLOCKNER

LOG OF BORING No. SSAW-3

PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ

THE WHITMAN COMPANIES, INC.

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/6/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12' DEPTH AT WATER ~12'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	2.3	4 FT RECOVERY			0–2.5' BLACK–BROWN SAND WITH SILT AND GRAVEL	
1	1.6					
	16		SSAW-3			
	13.7					
2	6.3					
	1.1				2.5–3.5' BROWN CLAY WITH SOME SAND	
3	6.5					
	4.7				3.5–4' SILTY SAND WITH SOME GRAVEL	
4	3.6				4–5' SAND WITH GRAVEL AND SOME CLAY	
	3.2					
5	2.4	4 FT RECOVERY			5–5.5' BROWN SILTY CLAY WITH SOME SAND	
	2.8				5.5–9' BROWN SILTY SAND WITH SOME GRAVEL	
6	1					
	3.9					
7	0.4					
	1.8					
8	5.8					
	3.9					
9	3.9	4 FT RECOVERY			9–9.5' BROWN SAND WITH SOME CLAY AND GRAVEL	
	1.1				9.5–10.5' BROWN SILTY CLAY WITH SMALL GRAVEL	
10	1.7					
	2.2				10.5–12' BROWN SILTY SAND WITH SOME GRAVEL	
11	1.9					
	2.2		SSAW-3			
12						
13						
14						
15						
16						

301142

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 4.5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-3

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.3 ft Asphalt	
1	0			0.3 - 4.5 ft Brown silty clay with some sand	
	0				
2	0				
	0				
3	0				
	0				
4	0				
	0		SSAW-3		
5				End of Boring - Refusal	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-4	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 13' DEPTH AT WATER 11.5-12'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	8.2				0-0.5' BROWN TOPSOIL WITH GRAVEL PIECES	
	8.3				0.5-2' LIGHT BROWN SILTY SAND	
1	23.3	2 FT RECOVERY				
	12.5					
2	36.6				2-3' BROWN SILTY CLAY	
	30.0					
3	24.5				3-4.5' ORANGE-BROWN SILTY SAND WITH SOME CLAY	
	12.3					
4	54.2		SSAW-4			
	41.6	3.5 FT RECOVERY			4.5-10.5' BROWN SILTY SAND WITH GRAVEL	
5	27.9					
	2.3					
6	8.2					
	7.2					
7	3.2					
	2.4					
8	3.2					
	3.3					
9	3.0					
	1.3		SSAW-4			
10	1.4					
	2.4				10.5-11' BROWN SILTY CLAY	
11	1.6	4 FT RECOVERY			11-13' WET BROWN SILTY SAND WITH GRAVEL (DAMP)	
	2.2					
12	1.8					
	1.8					
13						
14						
15						
16						

301144

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-5	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: HAND CORE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12.5' DEPTH AT WATER 12-12.5'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.0	2' RECOVERY			0-2.5' GREY TOPSOIL WITH COAL PIECES, CLAY TILE PIECES INTO GREY-BROWN SILT SAND	
1	0.0					
	0.0		SSAW-5			
2	0.0					
	0.0				2.5-3' ORANGE-BROWN CLAY WITH SOME SAND	
3	0.0	2' RECOVERY			3-12.5' BROWN SILTY SAND WITH GRAVEL, SOME CLAY	
	0.0					
4	0.0					
	0.0					
5	0.0	2' RECOVERY				
	0.0					
6	0.0					
	0.0					
7	0.0	2' RECOVERY				
	0.0					
8	0.0					
	0.0					
9	0.0	2' RECOVERY				
	0.0					
10	0.0					
	0.0					
11	0.0		SSAW-5			
	0.0					
12	0.0					
13						
14						
15						
16						

301145

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-6	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/6/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12' DEPTH AT WATER ~12'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
		1.75' RECOVERY			0–1' BROWN TOPSOIL	
1	14.5				1–3.5' BROWN SILTY SAND, SOME GRAVEL	
	10.7					
2	30		SSAW-6			
	25.6	2' RECOVERY				
3	10.2					
	9.7				3.5–5' BROWN SILTY CLAY	
4	11.1					
	10.3	2' RECOVERY				
5	9.7				5–5.5' BROWN SILTY SAND	
	9.8				5.5–8.5' BROWN SILTY SAND	
6	11.1					
	10.7	2' RECOVERY				
7	1.1					
	1.2					
8	0.8					
	0.4	1.5' RECOVERY			8.5–9' BROWN SILTY CLAY	
9	0.0		SSAW-6		9–11.5' BROWN SILTY SAND WITH SOME CLAY AND GRAVEL	
	0.0					
10	0.0					
	0.0					
11	0.0	1.5' RECOVERY				
	0.0				11.5–12' BROWN SAND WITH CLAY, WET	
12						
13						
14						
15						
16						

301146

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-7	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 16' DEPTH AT WATER 12.5-13'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	28.4				0-0.5' BROWN SANDY TOPSOIL WITH GRAVEL	
1	14.2				0.5-2.5' BROWN SILTY SAND WITH SOME CLAY AND SOME GRAVEL	
	14.5					
2	9.8	2 FT RECOVERY				
	9.5					
3	8.7				2.5-3.5' BROWN SILTY CLAY WITH GRAVEL	
	7.5					
4	16.7				3.5-4.5' BROWN SILTY SAND WITH SOME GRAVEL	
	10.2					
5	17.3				4.5-5.5' BROWN SILTY CLAY WITH SOME SAND	
	60.1		SSAW-7			
6	9.6	3 FT RECOVERY			5.5-9.5' BROWN AND ORANGE-BROWN SILTY SAND WITH GRAVEL	
	10.5					
7	12.1					
	13.4					
8	10					
	10.4					
9	27					
	24.4					
10	30.9	3.75 FT RECOVERY			9.5-10.5' ORANGE-BROWN SILTY CLAY	
	30.6					
11	21.7				10.5-13' ORANGE-BROWN SILTY SAND	
	12.5					
12	11.1					
	5.8		SSAW-7			
13	3.8					WET
	3.2				13-16' BROWN SILTY FINE SAND, WET	
14	2.4					
	2.9	4 FT RECOVERY				
15	2.5					
	2.3				301147	
16	2.2					

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-8	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12' DEPTH AT WATER 12'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	1.8, 3.0	3 FT RECOVERY			0-1' BROWN-BLACK TOPSOIL, SILTY SAND ASH/CINDERS	
1	2.5, 1.8				1-2.5' BROWN SANDY SILT WITH GRAVEL AND SOME CLAY	
2	4.4, 4.2				2.5-3' DARK-BROWN CLAY WITH SOME SAND AND GRAVEL	
3	3.7, 2.1				3-4' BROWN SANDY SILT WITH SOME GRAVEL AND CLAY	
4	3.1, 3.2	4 FT RECOVERY			4-7.5' BROWN CLAY WITH SOME SAND AND GRAVEL	
5	4.1, 4.9		SSAW-8			
6	4.2, 3.2					
7	3.6, 2.6				7.5-8' BROWN FINE GRAINED SAND	
8	1.2, 3.3	4 FT RECOVERY			8-9' DARK TO LIGHT BROWN CLAY	
9	2.6, 3.2				9-11' 1/2" BLACK GRAVEL LARGER INTO BROWN FINE SILTY SAND	
10	3.2, 2.9					
11	2.6, 3.1		SSAW-8		11-12' BROWN SILTY CLAY	
12						
13						
14						
15						
16						

301148

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSAW-9	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 13' DEPTH AT WATER 11.5-12'

BUILDING 12
ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	5.2, 7.2		SSAW-9		0-1' GREY-BROWN TOPSOIL WITH GRAVEL	DUPLICATE - SSAW-10
1	67.6, 20.3	4 FT RECOVERY			1-3' BROWN SILTY SAND WITH SOME CLAY AND GRAVEL	
2	14, 23.8					
3	26.4, 29.4				3-4.5' BROWN SILTY CLAY WITH SOME SAND	
4	1.9, 2.5				4.5-8' BROWN SILTY FINE SAND WITH SOME GRAVEL	
5	2.2, 3.2	3.75 FT RECOVERY				
6	3.8, 3.0					
7	4.8, 5.2					
8	5.0				8-8.5' BROWN SANDY SILT WITH SOME GRAVEL	
	3.2				8.5-9.5' BROWN SILTY SAND WITH SOME GRAVEL	
9	2.2, 2.7	3.5 FT RECOVERY			9,5-10.5' BROWN SILTY CLAY WITH SOME GRAVEL	
10	1.4, 2.4				10.5-13' BROWN SILTY FINE SAND WITH SOME GRAVEL	
11	1.5, 1.0					WET
12	1.1, 1.0	1'				
13						
14						
15						
16						

301149

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-9

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Concrete floor	
1	0			0.5 - 1 ft	Brown silt with sand and gravel	
	0			1 - 4 ft	Silty brown clay	
2	0					
	0					
3	0					
	0					
4	0					
	0			4 -6 ft	Silt with clay and sand	
5	0					
	0	SSAW-9				
6	0					
				End of Boring		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-11

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Concrete floor	
1	0			0.5 - 1 ft	Brown silty sand	
	0		SSAW-11	1 - 4 ft	Grey silty clay	
2	0					
	0					
3	0					
	0					
4	0					
	0			4 - 5.5 ft	Red brown silty clay with some sand	
5	0					
	0					
6	0			5.5 - 6 ft	Red brown silty sand with gravel	
				End of Boring		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Environmental Engineering & Management

301151

G:\Projects\950302\Boring Logs\SSAW-11.xls

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 3 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-12

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Concrete floor	
1	0			0.5 - 1.5 ft Brown/dark grey silt	
	0		SSAW-12		
2	0			1.5 - 3 ft Silty tan sand with some rock fragements	
	0				
3	0				
				End of Boring - Refusal	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5.2 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-13

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Concrete floor	
1	0					
	0					
2	0		SSAW-13	1.5 - 2 ft	Brown silt with black staining, some clay	
	0			2 - 4 ft	Brown silty clay with some sand and gravel	
3	0					
	0					
4	0					
	0			4 - 5 ft	Brown silt with some clay	
5	0					
				End of boring - Refusal		
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-14

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Concrete floor	
1	0					
	0					
2	0					
	0			2 - 2.5 ft	Gravel	
3	0			2.5 - 4 ft	Fine brown silty sand	
	0					
4	0					
	0			4 - 6 ft	Brown silt with some sand and gravel	
5	0		SSAW-14			
	0					
6	0					
				End of Boring		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-15

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 5 ft Silt with some clay, sand and gravel	
1	0				
	0				
2	0				
	0				
3	0				
	0				
4	0				
	0				
5	0		SSAW-15		
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-16

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Concrete	
1	0			0.5 - 1.5 ft	Brown silt with some sand	
	0					
2	0		SSAW-16	1.5 - 2 ft	Brown silty clay withsome gravel and glass	Duplicate - SSAW-D
	0			2 - 4.5 ft	Brown silty clay	
3	0					
	0					
4	0					
	0					
5	0			4.5 - 6 ft	Brown silty sand and gravel	
	0					
6	0					
				End of Boring		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-17

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 5 ft Brown silt with sand and gravel	
1	0				
	0				
2	0				
	0				
3	0				
	0				
4	0				
	0		SSAW-17		
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-18

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 5 ft Brown silt with sand and gravel	
1	0				
	0				
2	0		SSAW-18		
	0				
3	0				
	0				
4	0				
	0				
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 1.5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-19

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Concrete floor	
1	0			0.5 - 1.5 ft Brown silt with some gravel	
	0				
2				End of Boring - Refusal	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Environmental Engineering & Management

301159

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Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-21

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Concrete floor	
1	0			0.5 - 5 ft Brown silty clay	
	0				
2	0		SSAW-21		
	0				
3	0				
	0				
4	0				
	0				
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-22

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Concrete floor	
1	0		SSAW-22	0.5 - 2.5 ft Brown clay with some sand and gravel	
	0				
2	0				
	0				
3	0			2.5 - 5 ft Brown silt with sand and gravel	
	0				
4	0				
	0				
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-23

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 2.5 ft Brown silt with some sand and gravel	
1	0				
	0		SSAW-23		Duplicate - SSAW-DUP
2	0				
	0				
3	0			2.5 - 3.5 ft Brown clay, moist	
	0				
4	0			3.5 - 5 ft Brown silt clay and some gravel	
	0				
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-24

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 3 ft Brown silt with some gravel and clay	
1	0				
	0		SSAW-24		
2	0				
	0				
3	0				
	0			3 - 4 ft Brown clay, moist	
4	0				
	0			4 - 5 ft Brown silty clay with gravel	
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Environmental Engineering & Management

301163

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Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-25

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 5 ft Brown silt with some clay and gravel	
1	0				
	0		SSAW-25		
2	0				
	0				
3	0				
	0				
4	0				
	0				
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSAW-26

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Concrete	
1	0			0.5 - 4.5 ft Brown silt with some clay and large gravel	
	0		SSAW-26		
2	0				
	0				
3	0				
	0				
4	0				
	0				
5	0			4.5 - 5 ft Silt with gravel and some clay	
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSSR-1	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 5' DEPTH AT WATER N/A

BUILDING 12
SCALE ROOM

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	16	2' RECOVERY			0–1' GREY–BROWN FILL WITH GRAVEL	
	16					
1	16				1–1.5' BROWN SILTY FINE SAND	
	16				1.5–2.5' BROWN FINE SAND WITH GRAVEL	
2	16					
	16				2.5–3' GREY CONCRETE MATERIAL	
3	16	2' RECOVERY			3–5' BROWN SILTY SAND WITH SOME GRAVEL	
	16					
4	16					
	16		SSSR-1			DUPLICATE – SSSR-4
5					REFUSAL AT 5'	
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301166

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSSR-2	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 0.5' DEPTH AT WATER N/A

BUILDING 12
SCALE ROOM

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	8.9	0.5'	SSSR-2		0-0.5' GREY BROWN SANDY SILT WITH CLAY, TILE AND COAL PIECES	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301167

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSSR-3	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 0.5' DEPTH AT WATER N/A

BUILDING 12
SCALE ROOM

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	7.3	0.5'	SSSR-3		0-0.5' GREY BROWN SANDY SILT WITH METAL PIECES	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301168

CLIENT: KLOCKNER & KLOCKNER

LOG OF BORING No. SSFS-1

PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ

THE WHITMAN COMPANIES, INC.

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFEE

TOTAL DEPTH 2' DEPTH AT WATER N/A

BUILDING 12
DRUM STORAGE SHED

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	4.7	RECOVERY 1.5'	SSFS-1		0-0.5' BROWN TOP SOIL WITH COAL PIECES	DUPLICATE -- SSFS-2
1	3.8		SSFS-1		0.5-1' BROWN SANDY SILT WITH SOME CLAY, COAL PIECES, GRAVEL	
	2.9				1-1.5' BROWN SAND WITH SILT, GRAVEL AND COAL PIECES	
	2.1				1.5-2' BROWN SILT WITH SOME CLAY, SAND AND GRAVEL	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301169

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFS-1C and 1D

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 2.5 ft 2 inches of asphalt, silt with sand and gravel	
1	0				
	0				
2	0				
	0		SSFS-1C		
3	0			2.5 - 4 ft Brown silt with sand and gravel	
	0				
4	0				
	0			4 - 6 ft Brown medium sand with silt and some gravel	
5	0				
	0		SSFS-1D		
6	0				
				End of Boring	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 2.5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFS-3

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0		SSFS-3A	0 - 0.5 ft Topsoil with organic matter, metal pieces	
1	0			0.5 - 2.5 ft Brown silt with sand and gravel	
	0				
2	0		SSFS-3B		
	0		SSFS-3C		
3				End of Boring	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 4 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFS-4

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0		SSFS-4A	0 - 0.5 ft	Topsoil with organic matter, metal pieces	
1	0			0.5 - 4 ft	Brown silt with sand and gravel, some fill material	
	0					
2	0					
	0		SSFS-4B			
3	0					
	0					
4	0					
				End of Boring		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 4 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFS-5

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0		SSFS-5A	0 - 0.5 ft 2 inches asphalt, silt with sand and gravel	
1	0			0.5 - 4 ft Brown silt with sand and gravel	
	0				
2	0				
	0		SSFS-5B		
3	0				
	0				
4	0				
				End of Boring	
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 4 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFS-6

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0		SSFS-6A	0 - 0.5 ft	2 inches asphalt, silt with sand and gravel	Duplicate - SSFS-D
1	0			0.5 - 4 ft	Brown silt with sand and gravel with some fill material	
	0					
2	0					
	0		SSFS-6B			
3	0					
	0					
4	0					
				End of Boring		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 8 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFS-7

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0		SSFS-7A	0 - 8 ft Brown silt with some gravel	Duplicate - SSFS-DUP (816)
1	0				
	0				
2	0				
	0		SSFS-7B		
3	0				
	0				
4	0				
	0				
5	0				
	0				
6	0				
	0				
7	0				
	0		SSFS-7C		
8	0				
				End of Boring	
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 8 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFS-8

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.4 ft Asphalt	
1	0		SSFS-8A	0.4 - 4 ft Brown silt with some gravel	
	0				
2	0				
	0		SSFS-8B		
3	0				
	0				
4	0				
	0			4 - 8 ft Brown silt with sand	
5	0				
	0				
6	0				
	0				
7	0				
	0		SSFS-8C		
8	0				
				End of Boring	
9					
10					
11					
12					
13					
14					
15					
16					

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSDSA-1	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFEE

TOTAL DEPTH 2' DEPTH AT WATER N/A

BUILDING 12
DRUM STORAGE IN ALLEYWAY

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	1.2 1.2	RECOVERY 1.5'	SSDSA-1		0-1' BROWN TOPSOIL WITH ORGANIC MATERIAL	DUPLICATE - SSDSA-2
1	1.4 1.9				1-2' TOPSOIL INTO ASH-LIKE MATERIAL, SOME GREY SAND AND GRAVEL	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301177

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSNDS-1	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFEE

TOTAL DEPTH 2' DEPTH AT WATER N/A

BUILDING 12
NORTH DRUM STORAGE AREA

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	4.3	RECOVERY 1'			0–1' BROWN TOPSOIL	
1	8.5		SSNDS-1A			
	15.0		SSNDS-1B		1–1.5' BROWN SILTY SAND WITH GRAVEL, LITTLE CLAY	
	9.2					
	3.5				1.5–2' BROWN FINE SAND WITH SILT & GRAVEL	
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301178

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 16 ft Water Depth: 12.5 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-1C and 1D

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Asphalt and gravel sub-base	
1	0			0.5 - 4 ft	Brown silt with sand and gravel, fill material, coal and glass	
	0					
2	0					
	0					
3	0					
	0					
4	0					
	0			4 - 6 ft	Orange brown silt with clay and some gravel	
5	0		SSNDS-1C			
	0					
6	0					
	0			6 - 12 ft	Fine to medium tan sand	
7	0					
	0					
8	0					
	0					
9	0					
	0					
10	0					
	0					
11	0					
	0					
12	0					
	0		SSNDS-1D	12 - 16 ft	Medium brown sand, wet at 12.5 ft.	
13	0					
	0					
14	0					
	0					
15	0					
	0					
16	0					
				End of Boring		
17						

Environmental Engineering & Management

301179

G:\Projects\950302\Boring Logs\SSNDS-1C.xls

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSNDS-2	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFEE

TOTAL DEPTH 2' DEPTH AT WATER N/A

BUILDING 12
NORTH DRUM STORAGE AREA

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	3.2	1.5' RECOVERY			0–2' BROWN FINE SILTY SAND, SOME ORANGE BROWN CLAY AND COAL PIECES	
1	4.2		SSNDS-2A			
	3.7					
2	5.7		SSNDS-2B			
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301180

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-2C

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Asphalt and gravel sub-base	
1	0			0.5 - 4 ft Brown silt with clay, and some sand and gravel	
	0				
2	0				
	0				
3	0				
	0				
4	0				
	0			4 - 6 ft Silty brown clay with sand and some gravel	
5	0				
	0		SSNDS-2C		
6	0				
				End of Boring	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

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Environmental Engineering & Management

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Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-3

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.3 ft Asphalt and gravel sub-base	
1	0.3			0.3 - 1.5 ft Brown silt with gravel and sand	
	0.8		SSNDS-3A		
2	0.4			1.5 - 6 ft Brown silt with fill material (ie glass, coal, ash)	
	0.1				
3	0				
	0				
4	0				
	0				
5	0		SSNDS-3B		
	0				
6	0				
				End of Boring	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

301182

Environmental Engineering & Management

G:\Projects\950302\Boring Logs\SSNDS-3.xls

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-4

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Asphalt and gravel sub-base	
1	0			0.5 - 1 ft Brown silt with gravel and sand	
	0			1 - 4 ft Silt with fill material (ceramic, coal, glass)	
2	0.2		SSNDS-4A		
	0				
3	0				
	0.1				
4	0				
	0			4 - 6 ft Red brown silt with sand and gravel	
5	0		SSNDS-4B		
	0				
6	0				
				End of Boring	
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 4 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-5

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Asphalt and gravel sub-base	
1	0			0.5 - 1 ft	Coal	
	0.8		SSNDS-5	1 - 4 ft	Orange silt with fine sand and some gravel	Duplicate - SSNDS-D
2	0.2					
	0					
3	0					
	0					
4	0					
				End of Boring		
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 2 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-6

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Asphalt and gravel sub-base	
1	0			0.5 - 1.5 ft Grey brown silt and gravel, some fill material	
	0		SSNDS-6		
2	0			1.5 - 2 ft Brown silty sand	
				End of Boring	
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Environmental Engineering & Management

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G:\Projects\950302\Boring Logs\SSNDS-6.xls

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 12 ft Water Depth: ~12 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-7

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Asphalt and gravel sub-base	
1	0			0.5 - 4 ft	Grey silt with sand and gravel, some clay	
	0					
2	0		SSNDS-7A			
	0					
3	0					
	0					
4	0					
	0			4 - 5 ft	Wet brown silty clay with some sand	
5	0		SSNDS-7B			
	0			5 - 6.5 ft	Dry orange brown silt with clay, sand and gravel	
6	0					
	0					
7	0			6.5 - 11.5 ft	Dry medium sand with some silt and gravel	
	0					
8	0					
	0					
9	0					
	0					
10	0					
	0					
11	0					
	0					
12	0			11.5 - 12 ft	Fine brown sand	
				End of Boring		
13						
14						
15						
16						
17						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/8/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 12 ft Water Depth: ~11.5 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-8

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Asphalt and gravel sub-base	
1	4.5			0.5 - 2 ft Grey silt with clay and some sand and gravel	
	6		SSNDS-8		
2	5.8				
	5			2 - 11 ft Brown silty sand with gravel	
3	4.3				
	3.2				
4	3				
	0				
5	0				
	0				
6	0				
	0				
7	0				
	0				
8	0				
	0				
9	0				
	0				
10	0				
	0				
11	0				
	0			11 - 12 ft Medium sand, moist	
12	0				
				End of Boring	
13					
14					
15					
16					
17					

Environmental Engineering & Management

301187

G:\Projects\950302\Boring Logs\SSNDS-8.xls

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ Date : 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-9

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 5 ft Brown silt with gravel	
1	0				
	0				
2	0		SSNDS-9A		Duplicate - SSNDS-DUP (816)
	0				
3	0				
	0				
4	0				
	0		SSNDS-9B		
5	0				
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Environmental Engineering & Management

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G:\Projects\950302\Boring Logs\SSNDS-9.xls

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ Date : 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 8 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-10

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 4 ft Brown silt with gravel with some fill material such as glass, ash and coal	
1	0				
	0		SSNDS-10A		
2	0				
	0				
3	0				
	0				
4	0				
	0			4 - 8 ft Brown silt with gravel	
5	0		SSNDS-10B		
	0				
6	0				
	0				
7	0				
	0		SSNDS-10C		
8	0				
				End of Boring	
9					
10					
11					
12					
13					
14					
15					
16					
17					

Environmental Engineering & Management

301189

G:\Projects\950302\Boring Logs\SSNDS-10.xls

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSNDS-11

Building 12

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 3 ft Brown silt with gravel with some fill material such as glass, ash and coal	
1	0				
	0		SSNDS-11A		
2	0				
	0				
3	0				
	0			3 - 5 ft Brown silt with clay and gravel	
4	0				
	0				
5	0		SSNDS-11B		
				End of Boring	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					

Environmental Engineering & Management

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G:\Projects\950302\Boring Logs\SSNDS-11.xls

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSSP-1	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/7/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 5' DEPTH AT WATER N/A

BUILDING 12
SUMP APPROXIMATELY 3' DEEP

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	5.4	2 FT RECOVERY			0-1' FILL UNDER CONCRETE FLOOR , WITH GREY GRAVEL	
1	9.3					
	7.8				1-2' BROWN SILTY CLAY WITH SOME SAND	
2	6.4					
	5.1				2-3' BROWN SILTY SAND WITH GRAVEL	
3	6.2					
	3.2				3-3.5' GREY GRAVEL	
	2.4	2 FT RECOVERY			3.5-5' ORANGE BROWN SILTY SAND WITH GRAVEL	
4	2.4		SSSP-1			
5	2.2					
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

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Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 12 ft Water Depth: 10 - 10.5 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSDW-1

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 1 ft	Brown topsoil with organic material	
1	0					
	0			1 - 4 ft	Brown sand with some clay some silt gravel and brick fragments	
2	0		SSDW-1			
	0					
3	0					
	0					
4	0					
	0			4 - 5.5 ft	Brown clay with some gravel	
5	0					
	0					
6	0			5.5 - 7.5 ft	Brown silty sand with some clay and some gravel	
	0					
7	0					
	0					
8	0			7.5 - 9 ft	Brown silt with some fine sand and clay	
	0					
9	0					
	0			9 - 10.5 ft	Brown sand with small gravel, wet	
10	0					
	0					
11	0			10.5 - 12 ft	Brown silty sand with gravel	
	0					
12	0					
				End of Boring		
13						
14						
15						
16						

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSOSS-1	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: JAMES McFARLAND

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/8/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 2' DEPTH AT WATER NA

BUILDING 13
OIL STORAGE SHED

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	5.8	2 FT RECOVERY			0-1' BROWN TOPSOIL WITH ORGANIC MATERIAL	
1	7.7					
	12.8				1-2' BROWN FINE SILTY SAND WITH SOME GRAVEL	
2	7.3		SSOSS-1			
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

301193

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 6 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSSD-1

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Asphalt	
1	0			0.5 - 1.5 ft	Brown clay with gravel	
	0					
2	0			1.5 - 4 ft	Brown silty clay with gravel	
	0					
3	0					
	0					
4	0					
	0			4 - 4.5 ft	Grey gravel	
5	0			4.5 - 5.5 ft	Brown silty sand with gravel	
	0.1					
6	0			5.5 - 6 ft	Gravel with brown medium sand	
				End of Boring		
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 12 ft Water Depth: 9 - 9.5 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSPP-1

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 1 ft	Brown topsoil with organic	
1	0					
	0			1 - 3 ft	Brown silty clay with gravel	
2	0.1					
	0					
3	0					
	0.5			3 - 4.5 ft	Brown gravel	
4	0					
	0					
5	0			4.5 - 6.5 ft	Brown clay with some gravel and silt	
	0					
6	0.1					
	0					
7	0		SSPP-1	6.5 - 7.5 ft	Brown sand with clay and gravel	
	0					
8	0			7.5 - 9.5 ft	Brown silty sand with some gravel	
	0					
9	0.1					
	0					
10	0			9.5 - 11.5 ft	Brown silty fine sand, wet	
	0					
11	0					
	0					
12	0			11.5 - 12 ft	Brown sand, wet	
	0			End of Boring		
13	0					
	0					
14	0					
	0					
15	0					
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/8/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 3 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFD-1

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 0.5 ft Gravel under concrete	
1	0			0.5 - 2 ft Brown sand with gravel and silt	
	0				
2	0		SSFD-1		
	0			2 - 3 ft Orange brown sand with gravel	
3	0				
				End of Boring	
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 5.2 ft Water Depth: NA

THE WHITMAN CompanieS, INC.

Log of Boring

SSFD-2

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0				0 - 3 ft No recovery	
1					
2					
3					
	0.5		SSFD-2	3 - 5.2 ft Brown silty sand with some gravel	
4	0				
	0.3				
5	0				
				End of Boring - Refusal	
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					

Environmental Engineering & Management

301197

G:\Projects\950302\Boring Logs\SSFD-2.xls

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSDA-1	
PROJECT No. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: JAMES McFARLAND

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/16/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12' DEPTH AT WATER 9.5-10'

BUILDING 13
DUMPSTER PAD AREA

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.0	3.5 FT RECOVERY			0-0.5' GRAVEL	
1	0.0				0.5-1.5' FINE GRAINED SAND	
	0.0					
2	0.0		SSDA-1		1.5-5.5' BROWN CLAY WITH GRAVEL, SOME SILT AND SAND	
	0.0					
3	0.0					
	0.0					
4	0.0					
	0.0	3 FT RECOVERY				
5	0.0					
	0.0					
6	0.0				5.5-6.5' BROWN SILTY SAND WITH GRAVEL	
	0.0					
7	0.0				6.5-9' BROWN SAND WITH SOME GRAVEL	
	0.0					
8	0.0					
	0.0					
9	0.0					
	0.0	4 FT RECOVERY			9-11' BROWN FINE SAND AND SILT	
10	0.0					
	0.0					
11	0.0				SOME GRAVEL	
	0.0				11-12' BROWN SAND WITH GRAVEL AND SOME SILT	
12	0.0					
13						
14						
15					301198	
16						

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSCP-1	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: JAMES McFARLAND

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/8/98 GEOLOGIST CHERYL COFFEE

TOTAL DEPTH 12.5' DEPTH AT WATER 11.5-12'

BUILDING 13
CONCRETE PAD-SOIL GAS LOCATION SG-22A

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.0	2.75 FT RECOVERY			0-1' BROWN TOPSOIL WITH ORGANIC MATERIAL	
1	0.0				1-5.5' BROWN TO GRAY BROWN SILTY SAND WITH SOME GRAVEL	
	0.0					
2	2.9					
	13.4					
	12.4					
3	10.8					
	18.0		SSCP-1			
4	0.0	3.75 FT RECOVERY				
	0.6					
5	1.8					
	0.0				5.5-7' ORANGE BROWN SILTY CLAY INTERBEDDED WITH CLAY	
6	8.2					
	9.5					
7	9.5				7-8' BROWN SILTY SAND WITH GRAVEL AND CLAY AT END OF CORE	
	0.0					
8					8-9' CORE SAMPLE LOST	
9	3.5	3 FT RECOVERY			9-11.5' BROWN SILTY CLAY WITH SOME SAND INTERBEDDED WITH CLAY LAYERS	
	5.3					
10	7.4					
	18.9					
11	22.6		SSCP-1			
	17.8				11.5-12' BROWN SAND WITH CLAY	
12	15.4				12-12.5' BROWN FINE SAND	
13						
14						
15						
16						

301199

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSCP-2	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/8/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12' DEPTH AT WATER 9.5-10'

BUILDING 13
CONCRETE PAD-SOIL GAS LOCATION SG-22D

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.0	2.5 FT RECOVERY			0-1' BROWN TOPSOIL WITH ORGANIC MATERIAL	
1	0.0					
	0.0				1-3.5' BROWN SILTY SAND WITH GRAVEL	
	0.7		SSCP-2		CLAY TILE PIECES	
2	0.2					
	0.8					
3	0.5					
	0.3				3.5-5' BROWN SILTY CLAY WITH GRAVEL	
4	0.5	4 FT RECOVERY				
	0.4					
5	0.2				5-6.5' ORANGE BROWN CLAY INTO SILTY CLAY WITH GRAVEL	
	0.2					
6	0.0					
	0.0				6.5-8.5' BROWN SILTY SAND WITH GRAVEL	
7	0.1					
	0.4					
8	0.2					
	0.6				8.5-9' BROWN SILTY CLAY WITH SOME SAND	
9	0.8	4 FT RECOVERY			9-12' BROWN SILTY SAND WITH SOME GRAVEL AND SOME CLAY VERY FINE TOWARDS 12'	
	1.6					
10	0.7					
	0.3					
11	0.6					
	0.2					
12						
13						
14					301200	
15						
16						

CLIENT: KLOCKNER & KLOCKNER	LOG OF BORING No. SSCP-3	
PROJECT Nº. 950302 SITE LOCATION: ROCKAWAY, NJ	THE WHITMAN COMPANIES, INC.	SHEET 1 OF 1

DRILLING Co. EFS DRILLER: TOM WYSOCKI

DRILLING METHOD: GEOPROBE

HOLE DIA. 2 IN. SAMPLER 2" SPLIT SPOON

HAMMER WT. _____ LBS. FALL _____

DATE DRILLED 10/8/98 GEOLOGIST CHERYL COFFE

TOTAL DEPTH 12' DEPTH AT WATER 10-10.5'

BUILDING 13
CONCRETE PAD-SOIL GAS LOCATION SG-22E

DEPTH (FEET)	SAMPLING DATA: PID READING	RECOVERY IN INCHES	SAMPLE INTERVAL	GRAPHIC LOG	SOIL DESCRIPTION	REMARKS
	0.0				0-1' BROWN TOPSOIL WITH ORGANIC MATERIAL	
1	0.0	3 FT RECOVERY				
	0.0				1-2' BROWN SAND WITH GRAVEL	
2	0.7		SSCP-3			
	0.2				2-4' BROWN SILTY SAND WITH SOME GRAVEL AT 4' BLACK ORGANIC MATERIAL	
3	0.8					
	0.5					
4	0.3					
	0.5				4-5' BROWN SAND WITH GRAVEL	
5	0.4					
	0.2				5-6.5' BROWN FINE SILTY SAND	
6	0.2	3 FT RECOVERY				
	0.0					
7	0.0				6.5-8' BROWN TO ORANGE BROWN SILTY CLAY WITH SAND	
	0.1					
8	0.4					
	0.2				8-9.5' BROWN TO ORANGE BROWN SILT ANS SAND INTERLAYERED WITH SOME GRAVEL	
9	0.6					
	0.8					
10	1.6				9.5-12' BROWN FINE SAND INTO COARSER SAND AND GRAVEL METAL PIECES AND PLASTIC PELLETS, SOME SILT	
	0.7	4 FT RECOVERY				
11	0.3					
	0.6					
12	0.2					
13						
14						
15					301201	
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/8/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 12 ft Water Depth: 11.5 - 12 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSCP-4

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	27.4			0 - 0.5 ft	Brown topsoil with organics	
1	30.2			0.5 - 2 ft	Brown sand with silt and some gravel	
	34		SSCP-4			
2	32.1					
	28.1			2 - 4 ft	Brown silty clay with sand and some gravel	
3	7.8					
	7.5					
4	3.3					
	0			4 - 5 ft	Brown silty sand with gravel	
5	0					
	0			5 - 6 ft	Orange brown clay	
6	0					
	1.2			6 - 12 ft	Brown silty sand with gravel	
7	0					
	0.3					
8	0					
	0					
9	0					
	0					
10	0					
	0					
11	2.2					
	4.8					
12	7.4					
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98 8/16/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 14 ft Water Depth: 11 - 11.5 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSFA-1/SSFA-1R

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 0.5 ft	Brown topsoil with organics	
1	0			0.5 - 3 ft	Brown silty sand with some gravel	
	0					
2	0		SSFA-1			Duplicate - SSFA-6A
	0					
3	0					
	0			3 - 3.5 ft	Orange brown clay	
4	0			3.5 - 4 ft	Brown silty clay with sand	
	0			4 - 6 ft	Brown silty sand with gravel	
5	0					
	0		SSFA-1R			Duplicate - SSFA-D
6	0					
	0			6 - 6.5 ft	Brown sand with gravel	
7	0			6.5 - 8 ft	Brown fine sand	
	0					
8	0					
	0			8 - 14 ft	Brown sand with some silt and gravel	
9	0					
	0					
10	0					
	0					
11	0		SSFA-1			
	0					
12	0					
	0					
13	0					
	0					
14	0					
				End of Boring		
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 12 ft Water Depth: 11.5 - 12 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSFA-2

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	1.1			0 - 0.5 ft	Brown topsoil with organics	
1	5.1		SSFA-2	0.5 - 2 ft	Brown sand and caly	
	0.8					
2	1.1					
	0.7					
3	0.8					
	0.5			3 - 3.5 ft	Orange brown clay	
4	0.8			3.5 - 4 ft	Brown silty clay with sand	
	2.3			4 - 6 ft	Brown silty sand with gravel	
5	0.9					
	0.9					
6	0.9					
	0.9			6 - 6.5 ft	Brown sand with gravel	
7	0.9			6.5 - 8 ft	Brown fine sand	
	0.7					
8	0.6					
	1.1			8 - 14 ft	Brown sand with some silt and gravel	
9	1.3					
	1.2					
10	0.6					
	0.4					
11	0.6					
	0.6					
12	0.5					
				End of Boring		
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 12 ft Water Depth: 11.5 - 12 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSFA-2

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	1.1			0 - 0.5 ft	Brown topsoil with organics	
1	5.1		SSFA-2	0.5 - 2 ft	Brown sand and clay	
	0.8					
2	1.1					
	0.7					
3	0.8					
	0.5			3 - 3.5 ft	Orange brown clay	
4	0.8			3.5 - 4 ft	Brown silty clay with sand	
	2.3			4 - 6 ft	Brown silty sand with gravel	
5	0.9					
	0.9					
6	0.9					
	0.9			6 - 6.5 ft	Brown sand with gravel	
7	0.9			6.5 - 8 ft	Brown fine sand	
	0.7					
8	0.6					
	1.1			8 - 14 ft	Brown sand with some silt and gravel	
9	1.3					
	1.2					
10	0.6					
	0.4					
11	0.6					
	0.6					
12	0.5					
				End of Boring		
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 12 ft Water Depth: 11.5 - 12 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSFA-3

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 1.5 ft	Degraded asphalt into brown topsoil with gravel	
1	2.9		SSFA-3			
	0.2					
2	0.6			1.5 - 3.5 ft	Brown hard compact clay with gravel with some silt and gravel	
	0.3					
3	0					
	0					
4	0			3.5 - 4 ft	Brown silt with sand	
	0.6			4 - 6 ft	Brown sand with silt and gravel	
5	0.4					
	0.3					
6	0.7					
	0.5			6 - 7 ft	Fine brown sand with some gravel	
7	0.3					
	0.2			7 - 8 ft	Brown fine silt - wet	
8	0.2					
	0.2			8 - 9.5 ft	Brown sand with gravel, dry	
9	1.6					
	0.5					
10	0.4			9.5 - 11.5 ft	Brown fine sand	
	0.2					
11	0					
	1					
12	0			11.5 - 12'	Brown sand with gravel, wet	
				End of Boring		
13						
14						
15						
16						

Environmental Engineering & Management

301206

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Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 12 ft Water Depth: ~12 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSFA-4

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	1.1			0 - 0.5 ft	Brown topsoil	
1	4.4		SSFA-4	0.5 - 1 ft	Brown black sandy clay with gravel	
	2.1			1 - 1.5 ft	Brown clay with some gravel	
2	1.8			1.5 - 2.5 ft	Brown silty clay with some sand and gravel	
	0.7					
3	0			2.5 - 5.5 ft	Brown to orange brown clay with sand and gravel	
	0					
4	0					
	0					
5	0					
	0					
6	0			5.5 - 6 ft	Brown clay with silt and sand	
	0			6 - 9.5 ft	Brown silty sand with gravel	
7	0					
	0					
8	0					
	0					
9	0					
	0					
10	0			9.5 - 11.5 ft	Brown sand with some gravel	
	0					
11	0					
	0					
12	0			11.5 - 12'	Brown sand with gravel, wet	
				End of Boring		
13						
14						
15						
16						

Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 2/15/00

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee

Total Depth : 12 ft Water Depth: ~11 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSFA-4

Building 13

Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification	Remarks
0					
	0			0 - 4 ft Brown silt with sand and gravel	
1	0				
	0				
2	0				
	0				
3	0				
	0				
4	0				
	0			4 - 12 ft Brown silty sand and gravel	
5	0				
	0		SSFA-4A		
6	0				
7					
			SSFA-4B		
8					
9					
10					
			SSFA-4C		
11					
12					
				End of Boring	
13					
14					
15					
16					
17					

Environmental Engineering & Management

301208

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Client : Klockner & Klockner

Project No. : 95-03-02

Site Location : Rockaway, NJ **Date :** 10/16/98

Drilling Co. : EFS

Method : Geoprobe

Geologist/Sampler : Cheryl Coffee/Lee Westcott

Total Depth : 15 ft Water Depth: 12.5 - 13 ft

THE WHITMAN CompanieS, INC.

Log of Boring

SSFA-5

Building 13

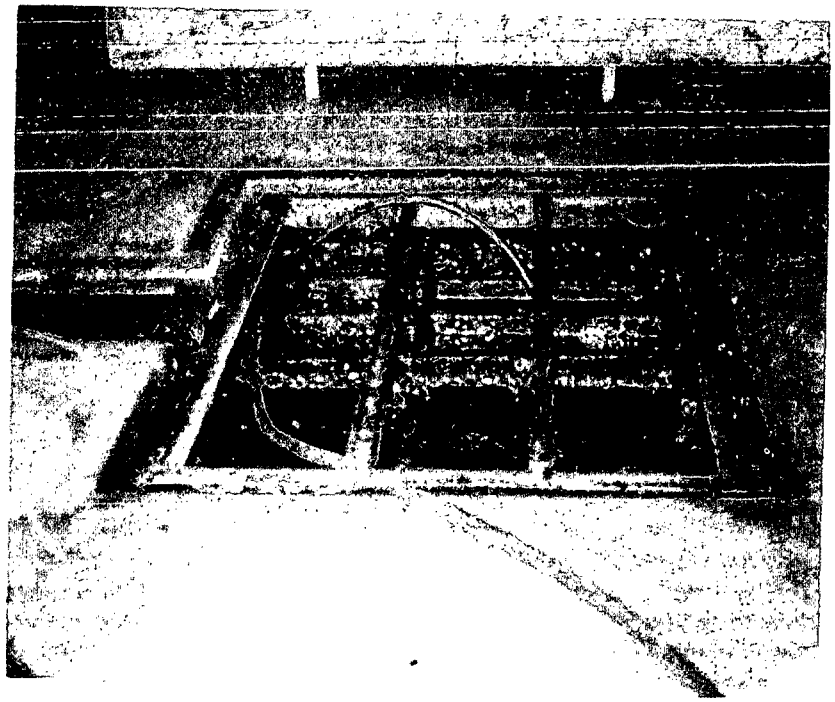
Depth ft.	PID	Recovery	SAMPLE ID	Soil Classification		Remarks
0						
	0			0 - 1 ft	Brown topsoil	
1	0					
	0			1 - 2.5 ft	Brown clay with some gravel	
2	0.1			1.5 - 2.5 ft	Brown silty sand with gravel	
	0					
3	0			2.5 - 5 ft	Orange brown clay with some gravel	
	0.5		SSFA-5			
4	0					
	0					
5	0					
	0			5 - 7 ft	Brown silty sand with some gravel	
6	0.1					
	0					
7	0					
	0			7 - 8 ft	Brown fine silty sand	
8	0					
	0			8 - 9 ft	Brown silty sand with some clay	
9	0.1					
	0			9 - 11 ft	Brown sand with some gravel and silt	
10	0					
	0					
11	0					
	0			11 - 12 ft	Brown fine sand	
12	0					
	0			12 - 13 ft	Brown sand with gravel	
13	0					
	0			13 - 15 ft	Brown fine sand, wet	
14	0					
	0					
15	0					
				End of Boring		
16						

ATTACHMENT 2

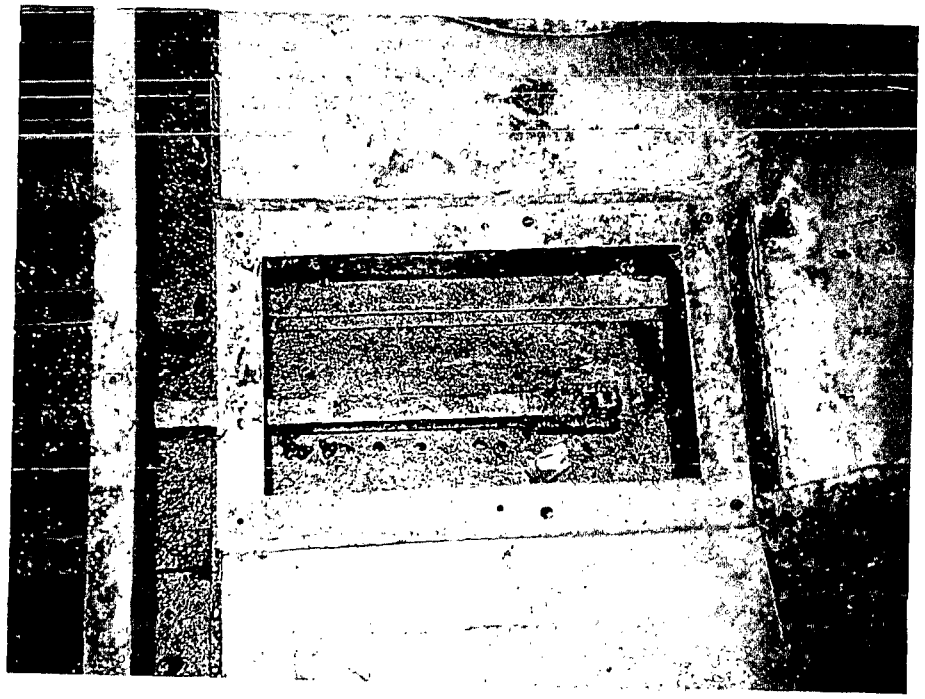
SCALE PIT PHOTOGRAPHS

301211

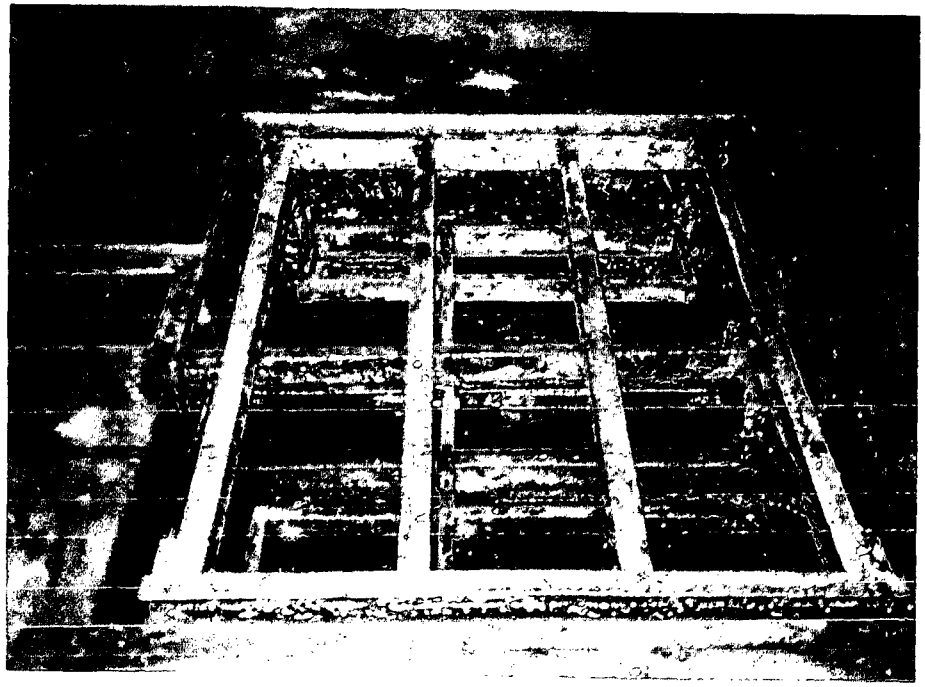
301212



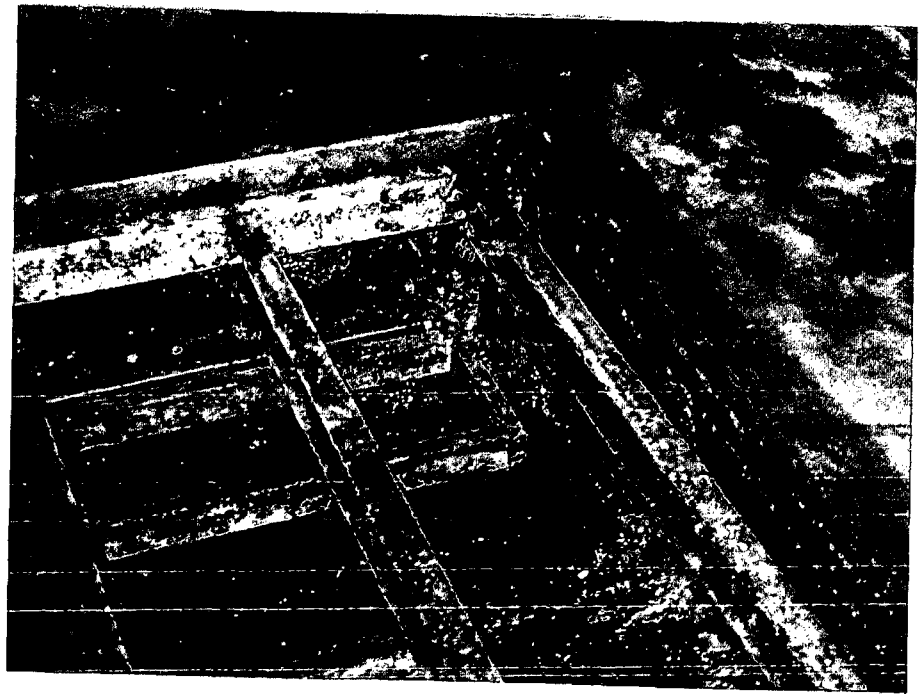
Scale Room Scale Pit During Pump Out



Scale Room Scale Pit Floor

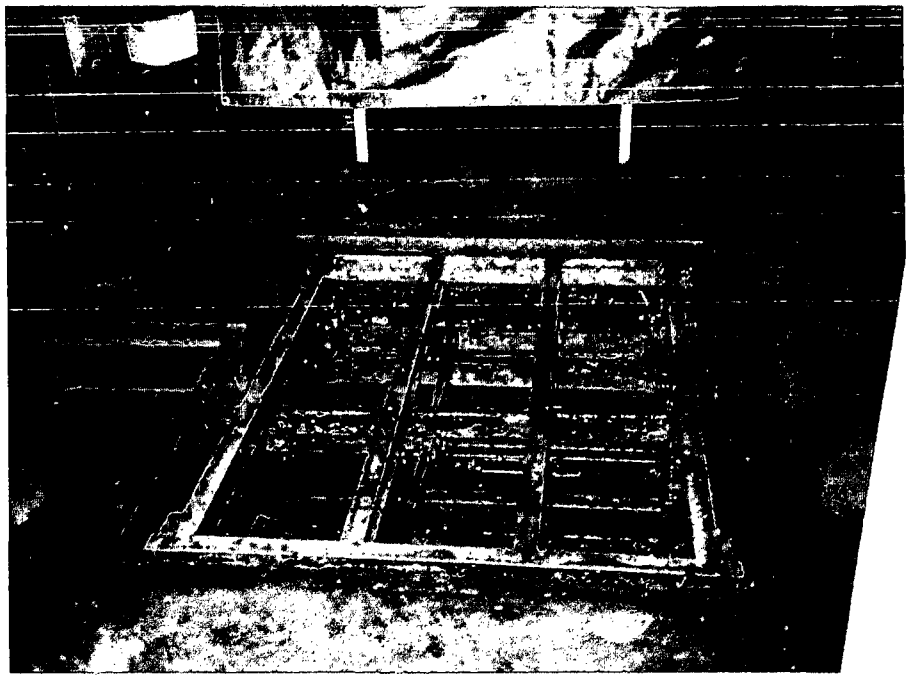


Scale Room Scale Pit



Scale Room Scale Pit Floor

Scale Room Scale Pit Floor



Scale Room Scale Pit

ATTACHMENT 3

SCALE PIT WASTE DISPOSAL DOCUMENTATION

301215

NON-HAZARDOUS WASTE MANIFEST

Klockner 95-03-02

Please print or type. (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. Not Required	Manifest Document No. 041999E	2. Page 1 of 1

3. Generator's Name and Mailing Address
Klockner & Klockner
10-25 Pickle Avenue
Rockaway, Borough, NJ

4. Generator's Phone (732) 396-5858

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
Allstate Power Vac	NJD 003812047	B. Transporter 1 Phone 800-876-9699
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
		D. Transporter 2 Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
REpublic Environmental Systems (Cleveland) Inc. 33 Industry Drive Bedford, Ohio 44146	OHD 055522429	F. Facility's Phone 440-786-7800

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non RCRA, Non DOT Regulated Liquid, NOS (development water)	03	DM	00150	G
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
24-hour emergency phone - 800876-9699

AID 22641

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Karen D'Amico	[signature]	04	19	99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
Raymond Mitchell	[signature]			

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space
9) Evergreen Environmental Group Inc

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
[illegible]	[illegible]	4	20	99

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

301216

REPUBLIC ENVIRONMENTAL SYSTEMS [CLEVELAND], INC.

33 INDUSTRY DRIVE / BEDFORD, OH 44146 / 440-786-7800
EPA I.D. #OHD055522429

CERTIFICATE OF WASTE DISPOSAL No. 15933

THIS IS TO CERTIFY THAT WASTE MATERIAL RECEIVED FROM:

Generator KLOCKNER & KLOCKNER

E.P.A. ID NON HAZ GENER

Address 10-25 STICKLE AVE / ROCKAWAY BOROUGH, NJ

AS REFERENCED ON MANIFEST NUMBER: 041999E

HAS BEEN ANALYZED AND ACCEPTED AS SPECIFIED UNDER THE FACILITY'S WASTE ANALYSIS PLAN. ALL MATERIALS REPRESENTED HEREIN SHALL BE STORED, TREATED, MANAGED AND/OR DISPOSED OF IN ACCORDANCE WITH ALL APPLICABLE LOCAL STATE AND FEDERAL REGULATIONS IN THE MANNER DESCRIBED BELOW.

Lab Code/Clin #	D.O.T./E.P.A. Description	Storage/Treatment/Disposal Method
ND22441	NON DOT/NON RCRA HAZ LIQUID (N/A)	M111 M132

Bruce Williams 04/20/99

Republic Environmental Systems
Representative - Title:Operations Manager

301217

ATTACHMENT 4

SOIL GAS SURVEY DATA PACKAGE

301219

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	FB-1 (ug/L)	FB-2 (ug/L)	FB-3 (ug/L)	FB-1A (ug/L)	FB-2A (ug/L)	FB-3A (ug/L)	FB-1B (ug/L)	FB-2B (ug/L)	FB-3B (ug/L)	FB-1C (ug/L)
1,1-Dichloroethene	1.00	ND	ND	1.90	ND	ND	ND	ND	ND	ND	3.04
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	ND	2.30E	1.41	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	1.65E	ND
Benzene	1.00	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301220

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	FB-2C (ug/L)	FB-3C (ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1,1-Dichloroethene	1.00	ND	4.48								
Methylene Chloride	1.00	ND	ND								
trans-1,2-Dichloroethene	1.00	ND	ND								
1,1-Dichloroethane	1.00	ND	ND								
cis-1,2-Dichloroethene	1.00	ND	ND								
1,1,1-Trichloroethane	1.00	ND	ND								
Carbon Tetrachloride	1.00	ND	ND								
Trichloroethene	1.00	ND	4.10E								
1,1,2-Trichloroethane	1.00	ND	ND								
Tetrachloroethene	1.00	ND	1.70								
Benzene	1.00	NA	NA								
Toluene	1.00	NA	NA								
Ethylbenzene	1.00	NA	NA								
o-Xylene	1.00	NA	NA								
m&p-Xylenes	1.00	NA	NA								
Methyl *tert*-Butyl Ether	1.00	NA	NA								
Sample Condition (S,U)/Dilution (PQL)		S	S								

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301221

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 04A (ug/L)	SGA 13 (ug/L)	SGA 14 (ug/L)	SGA 14A (ug/L)	SGA 15 (ug/L)	SGA 21 (ug/L)	SGA 22 (ug/L)	SGA 23 (ug/L)	SGA 24 (ug/L)	SGA 25 (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	4.45E	2.20	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	4.20	ND	ND
cis-1,2-Dichloroethene	1.00	ND	7.89	9.19	1.68	1.52	3.00	87.4E	41.2E	6.54	45.3E
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	6.27E	51.7E	57.0E	21.1E	9.56E	9.74E	281E	97.4E	18.6E	9.41E
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	1.30	ND	ND	ND	3.30E	3.32E	1.48	ND
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst: _____

301222

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 3A1 (ug/L)	SGA 3A2 (ug/L)	SGA 33 (ug/L)	SGA 34 (ug/L)	SGA 35 (ug/L)	SGA 36 (ug/L)	SGA 43 (ug/L)	SGA 44 (ug/L)	SGA 45 (ug/L)	SGA 46 (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	2.55	ND	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	1.00	1.57	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	1.10	ND	2.33	ND	ND	6.28E	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	15.0	73.6E	14.7	87.8E	1.18	43.3E	255E	13.5	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	13.9E	45.0E	81.3E	33.7	67.1E	20.6E	29.1E	268E	52.1E	3.08E
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	3.53E	2.17E	1.18	1.76	3.18E	64.5E	ND	1.21
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Idicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst: _____

301223

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 51 (ug/L)	SGA 52 (ug/L)	SGA 53 (ug/L)	SGA 54 (ug/L)	SGA 55 (ug/L)	SGA 63 (ug/L)	SGA 64 (ug/L)	SGA 65 (ug/L)	SGN 11 (ug/L)	SGN 12 (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	2.01	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	2.08	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	1.31	10.5	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	33.7E	9.09E	11.7E	44.3E	7.44E	5.79E	3.90E	2.23E	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	ND	30.2E	ND	1.02	5.31E	ND	ND	ND
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301224

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGN 13 (ug/L)	SGN 20 (ug/L)	SGN 21 (ug/L)	SGN 22 (ug/L)	SGN 23 (ug/L)	SGN 31 (ug/L)	SGN 32 (ug/L)	SGN 33 (ug/L)	SGN 42 (ug/L)	SGN 43 (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	4.11E	ND	ND	ND	ND	ND	ND	15.4E	2.73E	17.4E
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
o-Xylene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
m&p-Xylenes	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl *tert*-Butyl Ether	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst: _____

301225

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 04C (ug/L)	SGA 05B (ug/L)	SGA 88C (ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1,1-Dichloroethene	1.00	ND	1.51	ND							
Methylene Chloride	1.00	ND	ND	ND							
trans-1,2-Dichloroethene	1.00	ND	ND	ND							
1,1-Dichloroethane	1.00	ND	ND	ND							
cis-1,2-Dichloroethene	1.00	ND	2.47	2.74							
1,1,1-Trichloroethane	1.00	ND	ND	ND							
Carbon Tetrachloride	1.00	ND	ND	ND							
Trichloroethene	1.00	1.17	18.0E	16.7E							
1,1,2-Trichloroethane	1.00	ND	ND	ND							
Tetrachloroethene	1.00	ND	ND	ND							
Benzene	1.00	NA	NA	NA							
Toluene	1.00	NA	NA	NA							
Ethylbenzene	1.00	NA	NA	NA							
o-Xylene	1.00	NA	NA	NA							
m&p-Xylenes	1.00	NA	NA	NA							
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA							
Sample Condition (S,U)/Dilution (PQL)		S	S	S							

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst: _____

301226

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 88 (ug/L)	SGA 02 (ug/L)	SGA 04B (ug/L)	SGA 04 (ug/L)	SGA 01 (ug/L)	SGA 06 (ug/L)	SGA 16 (ug/L)	SGA 66 (ug/L)	SGA 77C (ug/L)	SGA 03B (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	2.92	ND	ND	ND
Methylene Chloride	1.00	ND	7.17	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	2.37	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	2.49	2.65	53.1E	ND	ND	15.2	6.09	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	9.96E	14.1E	101E	5.81E	13.4E	39.7E	19.9E	5.29E	4.57E	2.79E
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	ND	ND	ND	3.14E	1.57	ND	ND	ND
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301227

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 00A (ug/L)	SG 01A (ug/L)	SG 10 (ug/L)	SG 11 (ug/L)	SG 12 (ug/L)	SG 12A (ug/L)	SG 13 (ug/L)	SG 14 (ug/L)	SG 15 (ug/L)	SG 20 (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	1.76E	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	ND	ND	ND	ND	1.73	ND	ND	ND
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301228

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 20A (ug/L)	SG 21 (ug/L)	SG 22A (ug/L)	SG 23 (ug/L)	SG 24 (ug/L)	SG 25 (ug/L)	SG 30 (ug/L)	SG 31 (ug/L)	SG 32A (ug/L)	SG 32B (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	4.23E	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	ND	ND	7.75E	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	4.03E	1.98	ND	ND	ND	ND	1.43	1.49
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301229

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 33 (ug/L)	SG 34 (ug/L)	SG 35 (ug/L)	SG 40 (ug/L)	SG 41 (ug/L)	SG 42 (ug/L)	SG 42A (ug/L)	SG 42B (ug/L)	SG 43 (ug/L)	SG 44 (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	23.7E	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	45.9E	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301230

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 45 (ug/L)	SG 46 (ug/L)	SG 50 (ug/L)	SG 50A (ug/L)	SG 51 (ug/L)	SG 52 (ug/L)	SGFD 1 (ug/L)	SG 22B (ug/L)	SG 99 (ug/L)	SG 10A SG
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	1.64	4.93	ND
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst: _____

301231

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 22C (ug/L)	SG 99A (ug/L)	SG 33D (ug/L)	SG 33AS (ug/L)	SG 33BS (ug/L)	SG 22AD (ug/L)	SG 23AS (ug/L)	SG 32CS (ug/L)	SG 22ES (ug/L)	SG 22DS (ug/L)
1,1-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	1.70	ND
Methylene Chloride	1.00	2.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	54.0E	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	ND	ND	ND	ND	ND	10.7E	ND	ND	ND	6.70E
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	ND	ND	2.10E	ND	ND	13.7E	ND	ND	ND	2.18E
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	ND	ND	19.6E	7.56E	8.81E	26.8E	ND	ND	ND	3.84E
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst: _____

301232

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 12BS (ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
1,1-Dichloroethene	1.00	ND									
Methylene Chloride	1.00	ND									
trans-1,2-Dichloroethene	1.00	ND									
1,1-Dichloroethane	1.00	ND									
cis-1,2-Dichloroethene	1.00	ND									
1,1,1-Trichloroethane	1.00	ND									
Carbon Tetrachloride	1.00	ND									
Trichloroethene	1.00	ND									
1,1,2-Trichloroethane	1.00	ND									
Tetrachloroethene	1.00	ND									
Benzene	1.00	NA									
Toluene	1.00	NA									
Ethylbenzene	1.00	NA									
o-Xylene	1.00	NA									
m&p-Xylenes	1.00	NA									
Methyl *tert*-Butyl Ether	1.00	NA									
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst:

301233

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 12BD (ug/L)	SG 22DD (ug/L)	SG 32CD (ug/L)	SG 33BD (ug/L)	SG 22ED (ug/L)	SG 33AD (ug/L)	SG 23AD (ug/L)	SGA 02C (ug/L)	SGA 04D (ug/L)	SGA 05C (ug/L)
1,1-Dichloroethene	1.00	ND	1.47	ND	8.31	1.81	1.52	ND	2.78	1.98	2.02
Methylene Chloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethene	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,2-Dichloroethene	1.00	ND	ND	ND	ND	3.15	ND	ND	ND	ND	ND
1,1,1-Trichloroethane	1.00	1.62	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon Tetrachloride	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	1.00	1.39	ND	ND	ND	ND	ND	ND	2.55	2.68	3.87E
1,1,2-Trichloroethane	1.00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	1.00	3.53	1.02	4.83E	ND	2.64E	ND	ND	ND	ND	ND
Benzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toluene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Ethylbenzene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
m&p-Xylenes	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl *tert*-Butyl Ether	1.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Sample Condition (S,U)/Dilution (PQL)		S	S	S	S	S	S	S	S	S	S

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve
E: Indicates result over calibration range

[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit

SAMPLE NARRATIVE:

Quality Control Analyst: _____

301234

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Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 23 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	MD	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	2.20	1.62	30%
1,1-Dichloroethane	1.00	4.20	3.90	7%
cis-1,2-Dichloroethene	1.00	41.2	39.6	4%
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	97.4	96.4	1%
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	3.32	3.44	4%
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301235

This report will not be reproduced without the expressed written permission of the client

Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 35 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	ND	ND	#VALUE!
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301236

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 30 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	ND	ND	#VALUE!
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
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SAMPLE NARRATIVE:

301237

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 32 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	ND	ND	#VALUE!
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	1.43	1.51	5%
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301238

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 36 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	1.18	1.83	43%
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	20.6	21.9	6%
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	1.76	1.88	7%
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301239

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Fax: (301)497-4449

Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 3A1 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	13.9	14.6	5%
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301240

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 51 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	ND	ND	#VALUE!
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

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Fax: (301)497-4449

Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGN 12 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	ND	ND	#VALUE!
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	ND	ND	#VALUE!
Toluene	1.00	ND	ND	#VALUE!
Ethylbenzene	1.00	ND	ND	#VALUE!
o-Xylene	1.00	ND	ND	#VALUE!
m&p-Xylenes	1.00	ND	ND	#VALUE!
Methyl *tert*-Butyl Ether	1.00	ND	ND	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301242

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGN 42 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	2.73	2.97	8%
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	ND	ND	#VALUE!
Toluene	1.00	ND	ND	#VALUE!
Ethylbenzene	1.00	ND	ND	#VALUE!
o-Xylene	1.00	ND	ND	#VALUE!
m&p-Xylenes	1.00	ND	ND	#VALUE!
Methyl *tert*-Butyl Ether	1.00	ND	ND	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301243

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 04 (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	5.81	5.36	8%
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301244

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 03B (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	2.79	2.72	3%
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	ND	ND	#VALUE!
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301245

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 22DD (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	1.47	1.49	1%
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	ND	ND	#VALUE!
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	1.02	0.950	7%
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301246

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SGA 06C (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	5.380	6.260	15%
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	7.62	7.34	4%
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	4.56	4.08	11%
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301247

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Fax: (301)497-4449

Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794*

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPANIES
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810/8010-8020 Gas Sample Duplicate Analysis Results in ug/L

Compound	PQL[3] (ug/L)	SG 33AS (ug/L)	Duplicate (ug/L)	% Diff
1,1-Dichloroethene	1.00	ND	ND	#VALUE!
Methylene Chloride	1.00	ND	ND	#VALUE!
trans-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1-Dichloroethane	1.00	ND	ND	#VALUE!
cis-1,2-Dichloroethene	1.00	ND	ND	#VALUE!
1,1,1-Trichloroethane	1.00	ND	ND	#VALUE!
Carbon Tetrachloride	1.00	ND	ND	#VALUE!
Trichloroethene	1.00	ND	ND	#VALUE!
1,1,2-Trichloroethane	1.00	ND	ND	#VALUE!
Tetrachloroethene	1.00	7.56	7.03	7%
Benzene	1.00	NA	NA	#VALUE!
Toluene	1.00	NA	NA	#VALUE!
Ethylbenzene	1.00	NA	NA	#VALUE!
o-Xylene	1.00	NA	NA	#VALUE!
m&p-Xylenes	1.00	NA	NA	#VALUE!
Methyl *tert*-Butyl Ether	1.00	NA	NA	#VALUE!
Sample Condition (S,U)/Dilution (PQL)		S	S	

S: Satisfactory, U: Unsatisfactory
U: see sample narrative
Dilution: numerical dilution factor used to quantitate analyte concentrations within the range of the initial calibration curve

[1] MW: Molecular weight of the analyte
[2] MDL: Method detection limit according to EPA 40CFR Part 136 Appendix B
[3] PQL: Practical quantitation limit using the initial calibration curve low point and dilution factors where applicable

ND indicates that no analyte was detected at or above the practical quantitation limit
NA indicates that the calculation is not applicable

SAMPLE NARRATIVE:

301248

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Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794* *Fax: (301)497-4449*

Samples Collected:		Collected by:		Client:	
Samples Received:		Received by:	B O'BROCKI	Client Address:	
Samples Analyzed:		Analyzed by:	B. O'BROCKI		
Samples Reported:		Reported by:			
Project Identification:		Report Revision:	0.0	Client Contact:	
Target Job Code:		Method Deviations:	None	Client Phone:	
Purchase Order:	N/A	Sampling Method:		Client Fax:	

USEPA Method 3810-8010 Initial Calibration 9/25/98

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
AREA COUNTS											
1st Level Standard	4.65	2.76	0.480	2.17	0.400	8.16	18.8	222	8.70	2.65	51.0
2nd Level Standard	8.99	4.31	0.980	4.21	0.820	16.4	37.5	487	18.8	7.00	102
3rd Level Standard	13.0	5.68	1.44	5.98	1.32	24.7	57.7	781	28.0	12.2	164
4th Level Standard	17.8	6.51	2.02	8.15	1.70	33.7	79.2	1089	39.5	18.1	232
5th Level Standard	28.0	9.18	3.23	12.5	3.05	53.5	127.2	1773	63.8	37.7	386
CONCENTRATION											
1st Level Standard	1.34	0.863	1.53	1.55	1.97	0.160	0.153	0.194	0.149	0.267	0.191
2nd Level Standard	2.68	1.73	3.06	3.10	3.94	0.320	0.306	0.388	0.298	0.534	0.382
3rd Level Standard	4.02	2.59	4.59	4.65	5.91	0.480	0.459	0.582	0.447	0.801	0.573
4th Level Standard	6.05	3.87	6.90	7.00	8.85	0.720	0.690	0.870	0.670	1.20	0.860
5th Level Standard	12.1	7.73	13.8	14.0	17.7	1.44	1.38	1.74	1.34	2.40	1.72
CALIBRATION FACTORS											
1st Level Standard	3.47	3.20	0.314	1.40	0.203	51.0	123	1144	58.4	9.93	267
2nd Level Standard	3.35	2.50	0.320	1.36	0.208	51.2	123	1255	63.1	13.1	267
3rd Level Standard	3.23	2.19	0.314	1.29	0.223	51.5	126	1342	62.6	15.2	286
4th Level Standard	2.94	1.68	0.293	1.16	0.192	46.8	115	1252	59.0	15.1	270
5th Level Standard	2.31	1.19	0.234	0.893	0.172	37.2	92.2	1019	47.6	15.7	224
AVG. CAL. FACTOR	3.06	2.39	0.295	1.22	0.200	47.5	116	1202	58.1	13.8	263
STD. DEV. OF CAL. FAC.	0.462	0.633	0.036	0.204	0.019	6.105	13.723	124.201	6.251	2.389	22.942
% RSD	15.1%	26.4%	12.1%	16.7%	9.5%	12.8%	11.9%	10.3%	10.8%	17.3%	8.7%

*** CH2CL2 4 POINT CURVE CONC1-ONC4, CONC5 ABOVE LINEAR RANGE

USEPA Method 3810-8020 Initial Calibration 9/25/98

STANDARD ANALYTES	Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene
AREA COUNTS					
1st Level Standard	0.15	0.25	0.63	2.02	1.54
2nd Level Standard	2.13	4.11	2.63	3.98	1.71
3rd Level Standard	3.62	8.44	7.19	12.20	5.23
4th Level Standard	3.77	10.70	12.40	23.40	10.70
5th Level Standard	4.37	14.00	18.30	36.70	17.80
CONCENTRATIONS					
1st Level Standard	1.61	1.90	2.10	4.37	2.13
2nd Level Standard	32.3	38.0	42.0	87.4	42.6
3rd Level Standard	64.6	76.0	84.0	174.8	85.2
4th Level Standard	96.9	114.0	126.0	262.2	127.8
5th Level Standard	129	152	168	350	170
CALIBRATION FACTORS					
1st Level Standard	0.0932	0.1316	0.3000	0.4622	0.7230
2nd Level Standard	0.0659	0.1082	0.0626	0.0455	0.0401
3rd Level Standard	0.0560	0.1111	0.0856	0.0698	0.0614
4th Level Standard	0.0389	0.0939	0.0984	0.0892	0.0837
5th Level Standard	0.0338	0.0921	0.1089	0.1050	0.1045
AVG. CAL. FACTOR	0.0576	0.1074	0.1311	0.1544	0.2025
STD. DEV. OF CAL. FAC.	0.0237	0.0159	0.0960	0.1735	0.2919
% RSD	41.2%	14.8%	73.2%	112.4%	144.1%

301249

Samples Collected:		Collected by:		Client:	
Samples Received:		Received by:	B O'BROCKI	Client Address:	
Samples Analyzed:		Analyzed by:	B. O'BROCKI		
Samples Reported:		Reported by:			
Project Identification:		Report Revision:	0.0	Client Contact:	
Target Job Code:		Method Deviations:	None	Client Phone:	
Purchase Order:	N/A	Sampling Method:		Client Fax:	

No DATA Reported from this Curve
BB 10/6/98

USEPA Method 3810-8010 Initial Calibration 9/25/98

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
AREA COUNTS											
1st Level Standard	31.70	6.24	3.480	7.41	1.700	41.11	96.2	1585	42.70	6.38	125.5
2nd Level Standard	116.1	25.45	12.91	30.05	8.50	187.4	448.9	7511	192.9	42.4	774
3rd Level Standard	216.7	51.94	23.32	42.0	14.56	303.6	728.9	12318	356.6	64.8	1257
4th Level Standard											
5th Level Standard											
CONCENTRATION											
1st Level Standard	1.34	0.863	1.53	1.55	1.97	0.160	0.153	0.194	0.149	0.267	0.191
2nd Level Standard	6.05	3.87	6.90	7.00	8.85	0.720	0.690	0.870	0.670	1.20	0.860
3rd Level Standard	12.1	7.73	13.8	14.0	17.7	1.44	1.38	1.74	1.34	2.40	1.72
4th Level Standard											
5th Level Standard											
CALIBRATION FACTORS											
1st Level Standard	23.66	7.23	2.275	4.78	0.863	256.9	629	8170	286.6	23.90	657
2nd Level Standard	19.19	6.58	1.871	4.29	0.960	260.3	651	8633	287.9	35.3	900
3rd Level Standard	17.91	6.72	1.690	3.00	0.823	210.8	528	7079	266.1	27.0	731
4th Level Standard											
5th Level Standard											
AVG. CAL. FACTOR	20.25	6.84	1.95	4.02	0.88	242.68	602.51	7960.92	280.20	28.74	762.78
STD. DEV. OF CAL. FAC.	3.017	0.341	0.299	0.921	0.071	27.641	65.277	797.851	12.214	5.923	124.808
% RSD	14.9%	5.0%	15.4%	22.9%	8.0%	11.4%	10.8%	10.0%	4.4%	20.6%	16.4%

*** CH2CL2 4 POINT CURVE CONC1-ONC4, CONC5 ABOVE LINEAR RANGE

USEPA Method 3810-8020 Initial Calibration 9/25/98

STANDARD ANALYTES	Benzene	Toluene	Ethylbenzene	m&p-Xylene	o-Xylene
40					
AREA COUNTS					
1st Level Standard	0.26	0.22	0.19	0.45	0.23
2nd Level Standard	9.70	9.64	9.57	18.71	9.46
3rd Level Standard	18.19	18.61	18.44	35.75	17.54
4th Level Standard					
5th Level Standard					
CONCENTRATIONS					
1st Level Standard	1.61	1.90	2.10	4.37	2.13
2nd Level Standard	64.4	76.0	84.0	174.8	85.2
3rd Level Standard	129	152	168	350	170
4th Level Standard					
5th Level Standard					
CALIBRATION FACTORS					
1st Level Standard	0.1615	0.1158	0.0905	0.1030	0.1080
2nd Level Standard	0.1506	0.1268	0.1139	0.1070	0.1110
3rd Level Standard	0.1412	0.1224	0.1098	0.1023	0.1029
4th Level Standard					
5th Level Standard					
AVG. CAL. FACTOR	0.1511	0.1217	0.1047	0.1041	0.1073
STD. DEV. OF CAL. FAC.	0.0101	0.0056	0.0125	0.0026	0.0041
% RSD	6.7%	4.6%	11.9%	2.5%	3.8%

301250

CALIBRATION DATA: 8010 SOIL VAPOR HEADSPACE
INSTRUMENT: SHIMADZU GC14A SYSTEM 5
DETECTOR: ECD
LAB: TARGET FIXED LAB
CALIBRATION DATE:9/14/98

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
AREA COUNTS											
1st Level Standard	10.92	1.540	0.5900	1.390	0.3800	7.700	17.05	269.3	9.080	1.830	33.32
2nd Level Standard	36.97	3.960	1.880	4.000	1.610	22.57	50.45	783.4	25.29	5.670	90.87
3rd Level Standard	51.73	7.070	4.620	6.450	3.580	46.92	105.8	1625	53.20	14.14	198.2
CONCENTRATION											
1st Level Standard	1.790	1.150	2.040	2.070	2.620	0.2130	0.2040	0.2580	0.1990	0.3560	0.2550
2nd Level Standard	6.050	3.870	6.900	7.000	8.850	0.7200	0.6900	0.8700	0.6700	1.200	0.8600
3rd Level Standard	12.10	7.730	13.80	14.00	17.70	1.440	1.380	1.740	1.340	2.400	1.720
CALIBRATION FACTORS											
1st Level Standard	6.101	1.339	0.2892	0.6715	0.1450	36.15	83.58	1044	45.63	5.140	130.7
2nd Level Standard	6.111	1.023	0.2725	0.5714	0.1819	31.35	73.12	900.5	37.75	4.725	105.7
3rd Level Standard	4.275	0.9146	0.3348	0.4607	0.2023	32.58	76.65	934.2	39.70	5.892	115.2
AVG. CAL. FACTOR	5.496	1.092	0.2988	0.5679	0.1764	33.36	77.78	959.4	41.03	5.252	117.2
STD. DEV. OF CAL. FAC.	1.057	0.2205	0.03225	0.1054	0.02901	2.494	5.322	74.85	4.104	0.5913	12.62
% RSD	19.2%	20.2%	10.8%	18.6%	16.4%	7.48%	6.84%	7.80%	10.0%	11.3%	10.8%
CORRELATION COEFF	0.967	1.00	0.994	0.993	0.999	0.999	0.999	0.999	0.999	0.994	1.00
(-)20% AVG CAL	4.40	0.874	0.239	0.454	0.141	26.7	62.2	768	32.8	4.20	93.7
(+)20% AVG CAL	6.59	1.31	0.359	0.681	0.212	40.0	93.3	1151	49.2	6.30	141
(-)20% AREA CT	26.6	3.38	1.65	3.18	1.25	19.2	42.9	668	22.0	5.04	80.6
(+)20% AREA CT	39.9	5.07	2.47	4.77	1.87	28.8	64.4	1002	33.0	7.56	121

301251

CALIBRATION DATA: 8020 SOIL VAPOR HEADSPACE
INSTRUMENT: SHIMADZU GC14A SYSTEM 5
DETECTOR: FID
LAB: TARGET FIXED LAB
CALIBRATION DATE:10/2/98

STANDARD ANALYTES	MTBE	Benzene	Toluene	Ethyl-Benzene	m&p-Xylene	o-Xylene
AREA COUNTS						
1st Level Standard		4.000	4.510	4.690	9.510	4.730
2nd Level Standard		114.0	124.0	129.0	259.0	123.0
3rd Level Standard		186.0	234.0	248.0	504.0	242.0
4th Level Standard						
5th Level Standard						
CONCENTRATIONS						
1st Level Standard		1.930	2.280	2.520	5.240	2.560
2nd Level Standard		64.60	76.00	84.00	175.0	85.20
3rd Level Standard		129.0	152.0	168.0	350.0	170.0
4th Level Standard						
5th Level Standard						
CALIBRATION FACTORS						
1st Level Standard		2.073	1.978	1.861	1.815	1.848
2nd Level Standard		1.765	1.632	1.536	1.480	1.444
3rd Level Standard		1.442	1.539	1.476	1.440	1.424
4th Level Standard						
5th Level Standard						
AVG. CAL. FACTOR		1.760	1.716	1.624	1.578	1.572
STD. DEV. OF CAL. FAC.		0.3154	0.2313	0.2072	0.2059	0.2393
% RSD		17.9%	13.5%	12.8%	13.0%	15.2%
CORRELATION COEFF		0.992	0.999	1.00	1.00	1.00
(-)30% AVG CAL. FAC		1.23	1.20	1.14	1.10	1.10
(+)30% AVG CAL. FAC		2.29	2.23	2.11	2.05	2.04
(+)30% AREA COUNT		84.0	98.8	109	228	111
(-)30% AREA COUNT		45.2	53.2	58.8	123	59.6

301252

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPA
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810-8010 Continuing Calibration Check 9/29/98-opening

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	13.0	5.68	1.44	5.98	1.32	24.7	57.7	781	28.0	12.2	164
Continuing Area count	10.1	4.08	1.10	4.64	0.940	16.5	40.5	546	23.9	13.9	127
Percent Difference	22%	28%	24%	22%	29%	33%	30%	30%	15%	14%	23%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8020 Continuing Calibration Check 9/29/98-opening

STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
Calibration Area Count	1.00	1.00	1.00	1.00	1.00
Continuing Area Count	1.00	1.00	1.00	1.00	1.00
Percent Difference	0%	0%	0%	0%	0%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8010 Continuing Calibration Check 9/30/98-closing

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	13.0	5.68	1.44	5.98	1.32	24.7	57.7	781	28.0	12.2	164
Continuing Area count	13	5.04	1.69	5.47	1.36	25.6	59.8	901	28.4	16.1	161
										***	
Percent Difference	0%	11%	17%	9%	3%	4%	4%	15%	1%	32%	2%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

*** NO SAMPLES SHOW POSITIVE RESULTS FOR 112TCA. ALL DATA REPORTED

USEPA Method 3810-8020 Continuing Calibration Check 9/30/98-closing

STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
Calibration Area Count	1.00	1.00	1.00	1.00	1.00
Continuing Area Count	1.00	1.00	1.00	1.00	1.00
Percent Difference	0%	0%	0%	0%	0%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

301253

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPA
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810-8010 Continuing Calibration Check 9/30/98-opening

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	13.0	5.68	1.44	5.98	1.32	24.7	57.7	781	28.0	12.2	164
Continuing Area count	13	5.04	1.69	5.47	1.36	25.6	59.8	901	28.4	16.1	161
										***	
Percent Difference	0%	11%	17%	9%	3%	4%	4%	15%	1%	32%	2%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

*** NO SAMPLES SHOW POSITIVE RESULTS FOR 112TCA. ALL DATA REPORTED

USEPA Method 3810-8020 Continuing Calibration Check 9/30/98-opening

STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
Calibration Area Count	1.00	1.00	1.00	1.00	1.00
Continuing Area Count	1.00	1.00	1.00	1.00	1.00
Percent Difference	0%	0%	0%	0%	0%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8010 Continuing Calibration Check 10/1/98/98-closing

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Continuing Area count	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Percent Difference	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8020 Continuing Calibration Check 10/1/98-closing

STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
Calibration Area Count	1.00	1.00	1.00	1.00	1.00
Continuing Area Count	1.00	1.00	1.00	1.00	1.00
Percent Difference	0%	0%	0%	0%	0%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

301254

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPA
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810-8010 Continuing Calibration Check 10/2/98-opening

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	36.9	3.96	1.88	4.00	1.61	22.5	50.5	783	25.3	5.67	90.9
Continuing Area count	32.9	3.55	2.33	3.66	1.70	23.7	52.9	840	26.2	6.80	102
Percent Difference	11%	10%	24%	9%	6%	5%	5%	7%	4%	20%	12%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8020 Continuing Calibration Check 10/2/98-opening

	STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
****	Calibration Area Count	1.00	1.00	1.00	1.00	1.00
	Continuing Area Count	1.00	1.00	1.00	1.00	1.00
	Percent Difference	0%	0%	0%	0%	0%
	QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

**** BTEX RECALIBRATED.

USEPA Method 3810-8010 Continuing Calibration Check 10/3/98-closing

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	36.9	3.96	1.88	4.00	1.61	22.5	50.5	783	25.3	5.67	90.9
Continuing Area count	29.9	4.40	2.28	3.60	1.58	23.5	53.5	853	26.1	6.35	99.4
Percent Difference	19%	11%	21%	10%	2%	4%	6%	9%	3%	12%	9%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8020 Continuing Calibration Check 10/3/98-closing

STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
Calibration Area Count	114	124	129	259	123
Continuing Area Count	102	105	105	204	100
Percent Difference	11%	15%	19%	21%	19%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

301255

Samples Collected:	9/28-10/1/98	Collected by:	Jeff Green	Client:	THE WHITMAN COMPA
Samples Received:	9/28-10/1/98	Received by:	B OBROCKI	Client Address:	NA
Samples Analyzed:	9/29-10/3/98	Analyzed by:	B OBROCKI		NA
Samples Reported:	9/29-10/5/98	Reported by:	B OBROCKI		
Project Identification:	ROCKAWAYNJ	Report Revision:	0.0	Client Contact:	M METLITZ
Target Job Code:	TWC082698	Method Deviations:	None	Client Phone:	732-390-5858
Purchase Order:	N/A	Sampling Method:	PROBE/SLIDE	Client Fax:	732-390-9496

USEPA Method 3810-8010 Continuing Calibration Check 10/5/98-opening

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	36.9	3.96	1.88	4.00	1.61	22.5	50.5	783	25.3	5.67	90.9
Continuing Area count	33.1	4.04	2.04	4.14	1.51	25.0	57.3	897	26.7	6.04	103
Percent Difference	10%	2%	9%	3%	6%	11%	13%	15%	6%	7%	13%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8020 Continuing Calibration Check 10/5/98-opening

STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
Calibration Area Count	1.00	1.00	1.00	1.00	1.00
Continuing Area Count	1.00	1.00	1.00	1.00	1.00
Percent Difference	0%	0%	0%	0%	0%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8010 Continuing Calibration Check 10/6/98-closing

STANDARD ANALYTES	11DCE	MeCl2	t12DCE	11DCA	c12DCE	CHCl3	111TCA	CT	TCE	112TCA	PCE
Calibration Area Count	36.8	3.96	1.88	4.00	1.61	22.5	50.5	783	25.3	5.67	90.9
Continuing Area count	27.48	4.14	1.99	3.83	1.42	22.4	51.5	832	25.4	5.61	84.7
Percent Difference	25%	5%	6%	4%	12%	0%	2%	6%	0%	1%	7%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

USEPA Method 3810-8020 Continuing Calibration Check 10/6/98-closing

STANDARD ANALYTES	Benzene	Toluene	Ethyl benzen	m&p-Xylen	o-Xylene
Calibration Area Count	1.00	1.00	1.00	1.00	1.00
Continuing Area Count	1.00	1.00	1.00	1.00	1.00
Percent Difference	0%	0%	0%	0%	0%
QC Range	+/- 30%	+/- 30%	+/- 30%	+/- 30%	+/- 30%

Fax: (301)497-4449

Phone: (301)497-6400 *10555 Guilford Rd. Jessup, MD 20794*

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD

JOB CODE: TWC 082698

CLIENT: THE WHITMAN COMPANIES
ADDRESS:
PHONE: 732-390-5858 FAX: 732-390-9496
CLIENT PROJECT #: PROJECT MANAGER: C. Coffee

DATE: 9/28/98 PAGE 1 OF 3
P.O.# :
LOCATION: Rockaway NJ. Stacle/12th St.
COLLECTOR: J. Greene DATE OF COLLECTION: 9/28/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity	Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SGN-11	3'	11:30am	GAS	32mL	X	X	X															Soil Gas 3570	1	
SGN-12	3'				X	X	X																1	
21	3'				X	X	X															BD 9/28/98	1	
43	3'				X	X	X																1	
33	3'				X	X	X																1	
23	3'				X	X	X																1	
21	3'				X	X	X																1	
22	3'				X	X	X																1	
31	3'				X	X	X																1	
32	3'				X	X	X																1	
20	3'				X	X	X																1	
FG-1	3'	11:30am	GAS	32mL	X																		1	
SCA-23					X																		1	
24					X																		1	
25					X																		1	
33					X																		1	
34					X																		1	
35					X																		1	

BD 9/28/98

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			9/28/98 4:00 pm
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SAMPLE RECEIPT

Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301257

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD

JOB CODE: TWC062698

CLIENT: The Whitman Companies
ADDRESS:
PHONE: 732-390-5858 FAX: 732-390-9496
CLIENT PROJECT #: PROJECT MANAGER: C. Coffee

DATE: 9/28/98 PAGE 2 OF 3
P.O.# :
LOCATION: Rockaway NJ. Stickle/Elm St.
COLLECTOR: J. Greene DATE OF COLLECTION: 9/28/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity		Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SGA-36	3'	1130am	GAS	32 oz	X																			1	
SGA-43				40 ml	X																			1	
SGA-44					X																			1	
SGA-45					X																			1	
SGA-46					X																			1	
SGA-52					X																			1	
SGA-53					X																			1	
SGA-54					X																			1	
SGA-55					X																			1	
SGA-89					X																			1	
SGA-21					X																			1	
SGN-13	3'	1215pm			X	X																		1	
SGN-42					X	X																		1	
SGA-3A1					X																			1	
SGA-3A2					X																			1	
SGA-51					X																			1	
SGA-22					X																			1	
FB-2					X																			1	

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SAMPLE RECEIPT

Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301258

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD

JOB CODE: TWC082698

CLIENT: The Whitman Companies
ADDRESS:
PHONE: 732-390-5858 FAX: 732-396-9494
CLIENT PROJECT #: PROJECT MANAGER: C. Coffee

DATE: 9/28/94 PAGE 3 OF 3
P.O.# :
LOCATION: Rockaway NJ - Stickle/Elm St
COLLECTOR: J. Greene DATE OF COLLECTION: 9/28/94

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity			Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SGA-04A	3'	2:30pm	Grab	3 40mL	X																				1	
13					X																				1	
14					X																				1	
14A					X																				1	
15					X																				1	
66					X																				1	
FB-3				3 40mL	X																				1	
SGA-63	3'	3:15pm	Grab	3 40mL	X																				1	
64					X																				1	
65					X																				1	

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SAMPLE RECEIPT	
Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301259

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD

JOB CODE: TWO82694

CLIENT: Titan Whitman Companies
ADDRESS:
PHONE: 732-390-5858 FAX: 732-390-5496
CLIENT PROJECT #: PROJECT MANAGER: C. Cobbe

DATE: 9/29/98 PAGE 1 OF 2
P.O.# :
LOCATION: Rockaway NJ Stickel/Hurst
COLLECTOR: Nick DATE OF COLLECTION: 9/29/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity	Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SG-13	4'	1200	Gas	27mL	X																			1	
14					X																			1	
15					X																			1	
23					X																			1	
24					X																			1	
25					X																			1	
33					X																			1	
34					X																			1	
35					X																			1	
43					X																			1	
44					X																			1	
45					X																			1	
46					X																			1	
FB-1A		1330			X																			1	
SG-10					X																			1	
11					X																			1	
12					X																			1	
20					X																			1	

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SAMPLE RECEIPT	
Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301260

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD

JOB CODE: TW082698

CLIENT: The WHITMAN COMPANIES

ADDRESS:

PHONE: 732-390-5858 FAX: 732-390-9496

CLIENT PROJECT #: PROJECT MANAGER: C. Coffee

DATE: 9/29/98 PAGE 2 OF 2

P.O.# :

LOCATION: Rockaway NJ Stickle/Palm St.

COLLECTOR: Nick DATE OF COLLECTION: 9/29/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	TPH 8015 (g & d)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity	Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SG-30	4'	1330	GAS	27mL	X																			1	
60A					X																			1	
01A					X																			1	
FB-2A		1600			X																			1	
SGFD-1					X																			1	
SG-12A					X																			1	
SG-22A					X																			1	
SG-22B					X																			1	
SG-40					X																			1	
SG-50					X																			1	
SG-32A					X																			1	
32B		1715			X																			1	
41					X																			1	
99					X																			1	
FB-3A					X																			1	
SCA-80C					X																			1	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
			9/29/98 600 pm
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE RECEIPT	
Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301261

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD
JOB CODE: TW082698

CLIENT: The Whitman Companies
ADDRESS:
PHONE: 732 - 390 - 5956 FAX: 732 - 390 - 9496
CLIENT PROJECT #: PROJECT MANAGER: C. Cotter

DATE: 9/30/98 PAGE 1 OF 2
P.O.# :
LOCATION: Rockaway NJ Stickle/Adams
COLLECTOR: Nick DATE OF COLLECTION: 9/30/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity	Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
FB-1B	4'	1030	GRS	27 mL	X																		1	
SG-99A					X																		1	
SG-52					X																		1	
SG-51					X																		1	
50A					X																		1	
42B					X																		1	
42A					X																		1	
42					X																		1	
31					X																		1	
22C					X																		1	
20A					X																		1	
10A					X																		1	
3/10 9/30/98 ~~SG-21~~	4'	1100			X																		1	
~~FB-1B~~					X																		1	
SG-32CS					X																		1	
33D					X																		1	
22AD					X																		1	
33BS					X																		1	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
			9/30/98 6:00 pm
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE RECEIPT	
Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301262

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD

JOB CODE: 9/30/

CLIENT: The Whitman Companies

ADDRESS:

PHONE: 732-390-5852 FAX: 732-390-9496

CLIENT PROJECT #: PROJECT MANAGER: C. Coffee

DATE: 9/30/98 PAGE 2 OF 2

P.O.# :

LOCATION: Rockaway N.J Stickle/Elm St.

COLLECTOR: Nick DATE OF COLLECTION: 9/30/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity					Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SG-33AS	4'	3:00PM	GAS	27mL	X																						1	
23AS		-5:00PM			X																						1	
22DS					X																						1	
22ES					X																						1	
12BS					X																						1	
FB-2B					X																						1	
FB-3B					X																						1	
SG-12BD					X																						1	
SG-22DD					X																						1	
22ED					X																						1	
32CD					X																						1	
33BD					X																						1	
23AD					X																						1	
33AD					X																						1	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		[signature]	9/30/98 600 PM
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE RECEIPT	
Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301263

TARGET LABORATORIES

10555 Guilford Rd. Suite 127, Jessup, Md 20794
Office: 301-497-6400 Fax: 301-497-4440

CHAIN-OF-CUSTODY RECORD
JOB CODE: _____

CLIENT: The Whitman Companies
ADDRESS:
PHONE: 732-390-5858 FAX: 732-390-9496
CLIENT PROJECT #: PROJECT MANAGER: C. Cobbe

DATE: 10/1/98 PAGE 1 OF
P.O.# :
LOCATION: Rockaway NJ Stickle field st.
COLLECTOR: Nick DATE OF COLLECTION: 10/1/98

Sample Number	Depth	Time	Sample Type	Container Type	VOA 601/8010	VOA 602/8020	VOA 624/8260	Semi Vol 625/8270	TPH 418.1	TPH 8015 (gasoline)	TPH 8015 (diesel)	PNA 610/8100	PEST/PCBs 8080	TOC	BOD	LEAD 239.2	pH	Ignitability	Metals 6000/7000	Reactivity	Preservative (Y/N)	FIELD NOTES	Total Number of Containers	Laboratory Note Number
SGA-02	3'	1015	GAS	27mL	X																		1	
04B					X																		1	
06					X																		1	
16					X																		1	
77C					X																		1	
01	3'	10:40			X																		1	
SGA-03B	3'	1600			X																		1	
05B					X																		1	
04C					X																		1	
SGA-04 ~~03A~~	3'	10/1/98			X																		1	
F-B-1C					X																		1	
2C					X																		1	
3C					X																		1	
SGA-02C					X																		1	
04D					X																		1	
05C					X																		1	
06B					X																		1	
06C					X																		1	

RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME
		[signature]	10/1/98 5:30 PM
RELINQUISHED BY: (Signature)	DATE/TIME	RECEIVED BY: (Signature)	DATE/TIME

SAMPLE RECEIPT

Total Number of Containers	
Chain of Custody Seals Y/N NA	
Seals Intact? Y/N NA	
Received Good Cond./Cold	
Notes:	

LABORATORY NOTES:

301264

ATTACHMENT 5

ANALYTICAL DATA SHEETS

10/6/98 – JOB #H941

301266

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

RECEIVED
1998
The Whitman Companies, Inc.

November 3, 1998

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Dr. Ira Whitman

Re: Job No. H941 - Klockner & Klockner

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 07, 1998:

Lab No.	Client ID	Analysis Required
88548	FB-1	TCL BN+10, TAL Metals, PHC
88549	SSGC-1_1-4	TOC
88550	TB-1	TCL VOA+10
88551	SSAW-8_5.5-6	Purgeable Halocarbons
88552	SSAW-3_1-1.5	Purgeable Halocarbons
88553	SSAW-3_11.5-12	Purgeable Halocarbons
88554	SSWT-1_7-7.5	Purgeable Halocarbons
88555	SSAW-1_2.5-3	Purgeable Halocarbons
88556	SSAW-1_13-13.5	Purgeable Halocarbons
88557	SSNDS-2_1.5-2	TCL VOA+10
88558	SSAN-8_11-11.5	Purgeable Halocarbons
88559	SSNDS-1A_1-1.5	TCL VOA+10
88560	SSFS-1_.5-1	TCL VOA+10
88561	SSWT-2_7-7.5	Purgeable Halocarbons
88562	SSNDS-1A_0-0.5	TCL BN+10, TAL Metals, PHC
88563	SSNDS-2A_0-0.5	TCL BN+10, TAL Metals, PHC
88564	SSDSA-1_0-0.5	TAL Metals

301267

Lab No.	Client ID	Analysis Required
88565	SSFS-1_0-0.5	TCL BN+10, TAL Metals, PHC
88566	SSCB-1_2-2.5	TCL BN+10, TAL Metals
88567	SSWT-1_7-7.5	TAL Metals
88568	SSDSA-1_1.5-2	Purgeable Halocarbons
88569	SSAW-6_2-2.5	Purgeable Halocarbons
88570	SSAW-6_9-9.5	Purgeable Halocarbons

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

Client ID: **FB-1**
Site: Klockner & Klockner

Lab Sample No: **88548**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/09/98
Date Analyzed: 10/15/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q7549.d

Matrix: WATER
Level: LOW
Sample Volume: 930 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
bis(2-Chloroethyl)ether	ND	1.1
1,3-Dichlorobenzene	ND	11
1,4-Dichlorobenzene	ND	11
1,2-Dichlorobenzene	ND	11
bis(2-chloroisopropyl)ether	ND	11
N-Nitroso-di-n-propylamine	ND	1.1
Hexachloroethane	ND	1.1
Nitrobenzene	ND	1.1
Isophorone	ND	11
bis(2-Chloroethoxy)methane	ND	11
1,2,4-Trichlorobenzene	ND	1.1
Naphthalene	ND	11
4-Chloroaniline	ND	11
Hexachlorobutadiene	ND	2.2
2-Methylnaphthalene	ND	11
Hexachlorocyclopentadiene	ND	11
2-Chloronaphthalene	ND	11
2-Nitroaniline	ND	22
Dimethylphthalate	ND	11
Acenaphthylene	ND	11
2,6-Dinitrotoluene	ND	2.2
3-Nitroaniline	ND	22
Acenaphthene	ND	11
Dibenzofuran	ND	11
2,4-Dinitrotoluene	ND	2.2
Diethylphthalate	ND	11
4-Chlorophenyl-phenylether	ND	11
Fluorene	ND	11
4-Nitroaniline	ND	22
N-Nitrosodiphenylamine	ND	11
4-Bromophenyl-phenylether	ND	11
Hexachlorobenzene	ND	1.1
Phenanthrene	ND	11
Anthracene	ND	11

Client ID: **FB-1**
Site: Klockner & Klockner

Lab Sample No: **88548**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/09/98
Date Analyzed: 10/15/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q7549.d

Matrix: WATER
Level: LOW
Sample Volume: 930 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Carbazole	ND	11
Di-n-butylphthalate	ND	11
Fluoranthene	ND	11
Pyrene	ND	11
Butylbenzylphthalate	ND	11
3,3'-Dichlorobenzidine	ND	22
Benzo(a)anthracene	ND	1.1
Chrysene	ND	11
bis(2-Ethylhexyl)phthalate	ND	11
Di-n-octylphthalate	ND	11
Benzo(b)fluoranthene	ND	1.1
Benzo(k)fluoranthene	ND	1.1
Benzo(a)pyrene	ND	1.1
Indeno(1,2,3-cd)pyrene	ND	1.1
Dibenz(a,h)anthracene	ND	1.1
Benzo(g,h,i)perylene	ND	11

Client ID: **FB-1**
Site: Klockner & Klockner

Lab Sample No: **88548**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/09/98
Date Analyzed: 10/15/98
GC Column: DB-5
Instrument ID: BNAMS5.i
Lab File ID: q7549.d

Matrix: WATER
Level: LOW
Sample Volume: 930 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
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TOTAL ESTIMATED CONCENTRATION 0.0

301271

Client ID: **TB-1**
Site: Klockner & Klockner

Lab Sample No: **88550**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/18/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b8532.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **TB-1**
Site: Klockner & Klockner

Lab Sample No: **88550**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/18/98
GC Column: DB624
Instrument ID: VOAMS2.i
Lab File ID: b8532.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **SSNDS-2_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **88557**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4656.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	370
Acetone	ND	620
Carbon Disulfide	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	93 J	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
2-Butanone	ND	620
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	6200	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	370
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
Bromoform	ND	490
4-Methyl-2-Pentanone	ND	620
2-Hexanone	ND	620
Tetrachloroethene	130	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	490
Styrene	ND	620
Xylene (Total)	ND	620

Client ID: **SSNDS-2_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **88557**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4656.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.7

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **SSNDS-1A_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **88559**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a6473.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 15

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	6500
Bromomethane	ND	6500
Vinyl Chloride	ND	6500
Chloroethane	ND	6500
Methylene Chloride	ND	3900
Acetone	ND	6500
Carbon Disulfide	ND	6500
1,1-Dichloroethene	ND	2600
1,1-Dichloroethane	ND	6500
trans-1,2-Dichloroethene	ND	6500
cis-1,2-Dichloroethene	1300 J	6500
Chloroform	ND	6500
1,2-Dichloroethane	ND	2600
2-Butanone	ND	6500
1,1,1-Trichloroethane	ND	6500
Carbon Tetrachloride	ND	2600
Bromodichloromethane	ND	1300
1,2-Dichloropropane	ND	1300
cis-1,3-Dichloropropene	ND	6500
Trichloroethene	90000	1300
Dibromochloromethane	ND	6500
1,1,2-Trichloroethane	ND	3900
Benzene	ND	1300
trans-1,3-Dichloropropene	ND	6500
Bromoform	ND	5200
4-Methyl-2-Pentanone	ND	6500
2-Hexanone	ND	6500
Tetrachloroethene	ND	1300
1,1,2,2-Tetrachloroethane	ND	1300
Toluene	ND	6500
Chlorobenzene	ND	6500
Ethylbenzene	ND	5200
Styrene	ND	6500
Xylene (Total)	ND	6500

Client ID: **SSNDS-1A_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **88559**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a6473.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 14.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **SSFS-1_.5-1**
Site: Klockner & Klockner

Lab Sample No: **88560**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4675.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.7 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	1300
Bromomethane	ND	1300
Vinyl Chloride	ND	1300
Chloroethane	ND	1300
Methylene Chloride	ND	760
Acetone	ND	1300
Carbon Disulfide	ND	1300
1,1-Dichloroethene	ND	510
1,1-Dichloroethane	ND	1300
trans-1,2-Dichloroethene	ND	1300
cis-1,2-Dichloroethene	1200 J	1300
Chloroform	ND	1300
1,2-Dichloroethane	ND	510
2-Butanone	ND	1300
1,1,1-Trichloroethane	ND	1300
Carbon Tetrachloride	ND	510
Bromodichloromethane	ND	250
1,2-Dichloropropane	ND	250
cis-1,3-Dichloropropene	ND	1300
Trichloroethene	23000	250
Dibromochloromethane	ND	1300
1,1,2-Trichloroethane	ND	760
Benzene	ND	250
trans-1,3-Dichloropropene	ND	1300
Bromoform	ND	1000
4-Methyl-2-Pentanone	ND	1300
2-Hexanone	ND	1300
Tetrachloroethene	ND	250
1,1,2,2-Tetrachloroethane	ND	250
Toluene	ND	1300
Chlorobenzene	ND	1300
Ethylbenzene	ND	1000
Styrene	ND	1300
Xylene (Total)	ND	1300

Client ID: **SSFS-1_.5-1**
Site: Klockner & Klockner

Lab Sample No: **88560**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4675.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.7 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 8.1

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Siloxane	15.87	2400	
2.			
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30.			

TOTAL ESTIMATED CONCENTRATION 2400

Client ID: **SSNDS-1A_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88562**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8301.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	ND	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	75
2-Methylnaphthalene	ND	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	750
Dimethylphthalate	ND	370
Acenaphthylene	23 J	370
2,6-Dinitrotoluene	ND	75
3-Nitroaniline	ND	750
Acenaphthene	ND	370
Dibenzofuran	ND	370
2,4-Dinitrotoluene	ND	75
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	ND	370
4-Nitroaniline	ND	750
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	130 J	370
Anthracene	18 J	370

Client ID: **SSNDS-1A_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88562**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8301.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	11 J	370
Di-n-butylphthalate	ND	370
Fluoranthene	220 J	370
Pyrene	240 J	370
Butylbenzylphthalate	ND	370
3,3'-Dichlorobenzidine	ND	750
Benzo(a)anthracene	97	37
Chrysene	150 J	370
bis(2-Ethylhexyl)phthalate	ND	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	180	37
Benzo(k)fluoranthene	92	37
Benzo(a)pyrene	110	37
Indeno(1,2,3-cd)pyrene	46	37
Dibenz(a,h)anthracene	14 J	37
Benzo(g,h,i)perylene	36 J	370

Client ID: **SSNDS-1A_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88562**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8301.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO SEMI-VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **SSNDS-2A_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88563**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8302.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	ND	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	75
2-Methylnaphthalene	ND	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	750
Dimethylphthalate	ND	380
Acenaphthylene	18 J	380
2,6-Dinitrotoluene	ND	75
3-Nitroaniline	ND	750
Acenaphthene	ND	380
Dibenzofuran	ND	380
2,4-Dinitrotoluene	ND	75
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	750
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	43 J	380
Anthracene	16 J	380

Client ID: **SSNDS-2A_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88563**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8302.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	380
Di-n-butylphthalate	ND	380
Fluoranthene	140 J	380
Pyrene	170 J	380
Butylbenzylphthalate	ND	380
3,3'-Dichlorobenzidine	ND	750
Benzo(a)anthracene	100	38
Chrysene	110 J	380
bis(2-Ethylhexyl)phthalate	23 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	160	38
Benzo(k)fluoranthene	66	38
Benzo(a)pyrene	94	38
Indeno(1,2,3-cd)pyrene	34 J	38
Dibenz(a,h)anthracene	11 J	38
Benzo(g,h,i)perylene	27 J	380

Client ID: **SSNDS-2A_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88563**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/20/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8302.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11.2

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	9.64	6800	
2.			
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30.			

TOTAL ESTIMATED CONCENTRATION 6800

Client ID: **SSFS-1_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88565**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8315.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	37
1,3-Dichlorobenzene	ND	370
1,4-Dichlorobenzene	ND	370
1,2-Dichlorobenzene	ND	370
bis(2-chloroisopropyl)ether	ND	370
N-Nitroso-di-n-propylamine	ND	37
Hexachloroethane	ND	37
Nitrobenzene	ND	37
Isophorone	ND	370
bis(2-Chloroethoxy)methane	ND	370
1,2,4-Trichlorobenzene	ND	37
Naphthalene	ND	370
4-Chloroaniline	ND	370
Hexachlorobutadiene	ND	75
2-Methylnaphthalene	ND	370
Hexachlorocyclopentadiene	ND	370
2-Chloronaphthalene	ND	370
2-Nitroaniline	ND	750
Dimethylphthalate	ND	370
Acenaphthylene	48 J	370
2,6-Dinitrotoluene	ND	75
3-Nitroaniline	ND	750
Acenaphthene	8.1J	370
Dibenzofuran	ND	370
2,4-Dinitrotoluene	ND	75
Diethylphthalate	ND	370
4-Chlorophenyl-phenylether	ND	370
Fluorene	14 J	370
4-Nitroaniline	ND	750
N-Nitrosodiphenylamine	ND	370
4-Bromophenyl-phenylether	ND	370
Hexachlorobenzene	ND	37
Phenanthrene	130 J	370
Anthracene	47 J	370

Client ID: **SSFS-1_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88565**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8315.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 11

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	12 J	370
Di-n-butylphthalate	ND	370
Fluoranthene	290 J	370
Pyrene	360 J	370
Butylbenzylphthalate	1000	370
3,3'-Dichlorobenzidine	ND	750
Benzo(a)anthracene	170	37
Chrysene	220 J	370
bis(2-Ethylhexyl)phthalate	260 J	370
Di-n-octylphthalate	ND	370
Benzo(b)fluoranthene	270	37
Benzo(k)fluoranthene	120	37
Benzo(a)pyrene	180	37
Indeno(1,2,3-cd)pyrene	74	37
Dibenz(a,h)anthracene	25 J	37
Benzo(g,h,i)perylene	59 J	370

Client ID: **SSFS-1_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88565**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8315.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 10.8

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Tricresylphosphate isomer	25.32	320	
2. Tricresylphosphate isomer	25.53	620	
3. Unknown	25.58	300	
4. Unknown	25.80	540	
5. C20H12 PAH/Unknown	27.46	630	
6. Unknown	27.67	560	
7. Unknown	28.12	1100	
8. Unknown	29.04	520	
9. Unknown	29.55	2300	
10. Unknown	30.68	1800	
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27.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION 8690

Client ID: **SSCB-1_2-2.5**
Site: Klockner & Klockner

Lab Sample No: **88566**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/14/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8316.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	38
1,3-Dichlorobenzene	ND	380
1,4-Dichlorobenzene	ND	380
1,2-Dichlorobenzene	ND	380
bis(2-chloroisopropyl)ether	ND	380
N-Nitroso-di-n-propylamine	ND	38
Hexachloroethane	ND	38
Nitrobenzene	ND	38
Isophorone	ND	380
bis(2-Chloroethoxy)methane	ND	380
1,2,4-Trichlorobenzene	ND	38
Naphthalene	9.3J	380
4-Chloroaniline	ND	380
Hexachlorobutadiene	ND	76
2-Methylnaphthalene	12 J	380
Hexachlorocyclopentadiene	ND	380
2-Chloronaphthalene	ND	380
2-Nitroaniline	ND	760
Dimethylphthalate	ND	380
Acenaphthylene	24 J	380
2,6-Dinitrotoluene	ND	76
3-Nitroaniline	ND	760
Acenaphthene	ND	380
Dibenzofuran	9.6J	380
2,4-Dinitrotoluene	ND	76
Diethylphthalate	ND	380
4-Chlorophenyl-phenylether	ND	380
Fluorene	ND	380
4-Nitroaniline	ND	760
N-Nitrosodiphenylamine	ND	380
4-Bromophenyl-phenylether	ND	380
Hexachlorobenzene	ND	38
Phenanthrene	86 J	380
Anthracene	15 J	380

Client ID: **SSCB-1_2-2.5**
Site: Klockner & Klockner

Lab Sample No: **88566**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/14/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8316.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 12

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	9.0J	380
Di-n-butylphthalate	ND	380
Fluoranthene	130 J	380
Pyrene	140 J	380
Butylbenzylphthalate	80 J	380
3,3'-Dichlorobenzidine	ND	760
Benzo(a)anthracene	55	38
Chrysene	83 J	380
bis(2-Ethylhexyl)phthalate	85 J	380
Di-n-octylphthalate	ND	380
Benzo(b)fluoranthene	110	38
Benzo(k)fluoranthene	50	38
Benzo(a)pyrene	71	38
Indeno(1,2,3-cd)pyrene	40	38
Dibenz(a,h)anthracene	ND	38
Benzo(g,h,i)perylene	39 J	380

Client ID: **SSCB-1_2-2.5**
Site: Klockner & Klockner

Lab Sample No: **88566**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Extracted: 10/14/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8316.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 2.0 ml
Dilution Factor: 1.0
% Moisture: 12.1

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown	30.63	310	
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION 310

Client ID: **SSAW-8_5.5-6**
Site: Klockner & Klockner

Lab Sample No: **88551**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9515.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.1

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	139
Chloromethane	ND	139
Vinyl Chloride	ND	139
Bromomethane	ND	139
Chloroethane	ND	139
Trichlorofluoromethane	ND	139
1,1-Dichloroethene	ND	139
Methylene Chloride	ND	139
trans-1,2-Dichloroethene	ND	139
1,1-Dichloroethane	ND	139
cis-1,2-Dichloroethene	ND	139
Chloroform	ND	139
1,1,1-Trichloroethane	ND	139
Carbon Tetrachloride	ND	139
1,2-Dichloroethane	ND	139
Trichloroethene	ND	139
1,2-Dichloropropane	ND	139
Bromodichloromethane	ND	139
2-Chloroethyl Vinyl Ether	ND	139
cis-1,3-Dichloropropene	ND	139
trans-1,3-Dichloropropene	ND	139
1,1,2-Trichloroethane	ND	139
Tetrachloroethene	ND	139
Dibromochloromethane	ND	139
Chlorobenzene	ND	139
Bromoform	ND	139
1,1,2,2-Tetrachloroethane	ND	139
1,3-Dichlorobenzene	ND	139
1,4-Dichlorobenzene	ND	139
1,2-Dichlorobenzene	ND	139

Client ID: **SSAW-3_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **88552**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9516.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 16.6

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	2940
Chloromethane	ND	2940
Vinyl Chloride	ND	2940
Bromomethane	ND	2940
Chloroethane	ND	2940
Trichlorofluoromethane	ND	2940
1,1-Dichloroethene	ND	2940
Methylene Chloride	ND	2940
trans-1,2-Dichloroethene	ND	2940
1,1-Dichloroethane	ND	2940
cis-1,2-Dichloroethene	10800	2940
Chloroform	ND	2940
1,1,1-Trichloroethane	ND	2940
Carbon Tetrachloride	ND	2940
1,2-Dichloroethane	ND	2940
Trichloroethene	32300	2940
1,2-Dichloropropane	ND	2940
Bromodichloromethane	ND	2940
2-Chloroethyl Vinyl Ether	ND	2940
cis-1,3-Dichloropropene	ND	2940
trans-1,3-Dichloropropene	ND	2940
1,1,2-Trichloroethane	ND	2940
Tetrachloroethene	ND	2940
Dibromochloromethane	ND	2940
Chlorobenzene	ND	2940
Bromoform	ND	2940
1,1,2,2-Tetrachloroethane	ND	2940
1,3-Dichlorobenzene	ND	2940
1,4-Dichlorobenzene	ND	2940
1,2-Dichlorobenzene	ND	2940

Client ID: **SSAW-3_11.5-12**
Site: Klockner & Klockner

Lab Sample No: **88553**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9517.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	131
Chloromethane	ND	131
Vinyl Chloride	ND	131
Bromomethane	ND	131
Chloroethane	ND	131
Trichlorofluoromethane	ND	131
1,1-Dichloroethene	ND	131
Methylene Chloride	ND	131
trans-1,2-Dichloroethene	ND	131
1,1-Dichloroethane	ND	131
cis-1,2-Dichloroethene	ND	131
Chloroform	ND	131
1,1,1-Trichloroethane	ND	131
Carbon Tetrachloride	ND	131
1,2-Dichloroethane	ND	131
Trichloroethene	ND	131
1,2-Dichloropropane	ND	131
Bromodichloromethane	ND	131
2-Chloroethyl Vinyl Ether	ND	131
cis-1,3-Dichloropropene	ND	131
trans-1,3-Dichloropropene	ND	131
1,1,2-Trichloroethane	ND	131
Tetrachloroethene	ND	131
Dibromochloromethane	ND	131
Chlorobenzene	ND	131
Bromoform	ND	131
1,1,2,2-Tetrachloroethane	ND	131
1,3-Dichlorobenzene	ND	131
1,4-Dichlorobenzene	ND	131
1,2-Dichlorobenzene	ND	131

Client ID: **SSWT-1_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88554**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9518.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.1

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	134
Chloromethane	ND	134
Vinyl Chloride	ND	134
Bromomethane	ND	134
Chloroethane	ND	134
Trichlorofluoromethane	ND	134
1,1-Dichloroethene	ND	134
Methylene Chloride	ND	134
trans-1,2-Dichloroethene	ND	134
1,1-Dichloroethane	ND	134
cis-1,2-Dichloroethene	ND	134
Chloroform	ND	134
1,1,1-Trichloroethane	ND	134
Carbon Tetrachloride	ND	134
1,2-Dichloroethane	ND	134
Trichloroethene	237	134
1,2-Dichloropropane	ND	134
Bromodichloromethane	ND	134
2-Chloroethyl Vinyl Ether	ND	134
cis-1,3-Dichloropropene	ND	134
trans-1,3-Dichloropropene	ND	134
1,1,2-Trichloroethane	ND	134
Tetrachloroethene	ND	134
Dibromochloromethane	ND	134
Chlorobenzene	ND	134
Bromoform	ND	134
1,1,2,2-Tetrachloroethane	ND	134
1,3-Dichlorobenzene	ND	134
1,4-Dichlorobenzene	ND	134
1,2-Dichlorobenzene	ND	134

Client ID: **SSAW-1_2.5-3**
Site: Klockner & Klockner

Lab Sample No: **88555**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9519.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	351	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	2470	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSAW-1_13-13.5**
Site: Klockner & Klockner

Lab Sample No: **88556**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9520.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	143	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	1330	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSAN-8_11-11.5**
Site: Klockner & Klockner

Lab Sample No: **88558**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9521.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13.8

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	136
Chloromethane	ND	136
Vinyl Chloride	ND	136
Bromomethane	ND	136
Chloroethane	ND	136
Trichlorofluoromethane	ND	136
1,1-Dichloroethene	ND	136
Methylene Chloride	ND	136
trans-1,2-Dichloroethene	ND	136
1,1-Dichloroethane	ND	136
cis-1,2-Dichloroethene	ND	136
Chloroform	ND	136
1,1,1-Trichloroethane	ND	136
Carbon Tetrachloride	ND	136
1,2-Dichloroethane	ND	136
Trichloroethene	ND	136
1,2-Dichloropropane	ND	136
Bromodichloromethane	ND	136
2-Chloroethyl Vinyl Ether	ND	136
cis-1,3-Dichloropropene	ND	136
trans-1,3-Dichloropropene	ND	136
1,1,2-Trichloroethane	ND	136
Tetrachloroethene	ND	136
Dibromochloromethane	ND	136
Chlorobenzene	ND	136
Bromoform	ND	136
1,1,2,2-Tetrachloroethane	ND	136
1,3-Dichlorobenzene	ND	136
1,4-Dichlorobenzene	ND	136
1,2-Dichlorobenzene	ND	136

Client ID: **SSWT-2_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88561**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9522.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 5.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	132
Chloromethane	ND	132
Vinyl Chloride	ND	132
Bromomethane	ND	132
Chloroethane	ND	132
Trichlorofluoromethane	ND	132
1,1-Dichloroethene	ND	132
Methylene Chloride	ND	132
trans-1,2-Dichloroethene	ND	132
1,1-Dichloroethane	ND	132
cis-1,2-Dichloroethene	ND	132
Chloroform	ND	132
1,1,1-Trichloroethane	ND	132
Carbon Tetrachloride	ND	132
1,2-Dichloroethane	ND	132
Trichloroethene	ND	132
1,2-Dichloropropane	ND	132
Bromodichloromethane	ND	132
2-Chloroethyl Vinyl Ether	ND	132
cis-1,3-Dichloropropene	ND	132
trans-1,3-Dichloropropene	ND	132
1,1,2-Trichloroethane	ND	132
Tetrachloroethene	ND	132
Dibromochloromethane	ND	132
Chlorobenzene	ND	132
Bromoform	ND	132
1,1,2,2-Tetrachloroethane	ND	132
1,3-Dichlorobenzene	ND	132
1,4-Dichlorobenzene	ND	132
1,2-Dichlorobenzene	ND	132

Client ID: **SSDSA-1_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **88568**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9523.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.9

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	132
Chloromethane	ND	132
Vinyl Chloride	ND	132
Bromomethane	ND	132
Chloroethane	ND	132
Trichlorofluoromethane	ND	132
1,1-Dichloroethene	ND	132
Methylene Chloride	ND	132
trans-1,2-Dichloroethene	ND	132
1,1-Dichloroethane	ND	132
cis-1,2-Dichloroethene	ND	132
Chloroform	ND	132
1,1,1-Trichloroethane	ND	132
Carbon Tetrachloride	ND	132
1,2-Dichloroethane	ND	132
Trichloroethene	4560	132
1,2-Dichloropropane	ND	132
Bromodichloromethane	ND	132
2-Chloroethyl Vinyl Ether	ND	132
cis-1,3-Dichloropropene	ND	132
trans-1,3-Dichloropropene	ND	132
1,1,2-Trichloroethane	ND	132
Tetrachloroethene	ND	132
Dibromochloromethane	ND	132
Chlorobenzene	ND	132
Bromoform	ND	132
1,1,2,2-Tetrachloroethane	ND	132
1,3-Dichlorobenzene	ND	132
1,4-Dichlorobenzene	ND	132
1,2-Dichlorobenzene	ND	132

Client ID: **SSAW-6_2-2.5**
Site: Klockner & Klockner

Lab Sample No: **88569**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/17/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9524.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 2500.0
% Moisture: 17.3

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	7340
Chloromethane	ND	7340
Vinyl Chloride	ND	7340
Bromomethane	ND	7340
Chloroethane	ND	7340
Trichlorofluoromethane	ND	7340
1,1-Dichloroethene	ND	7340
Methylene Chloride	ND	7340
trans-1,2-Dichloroethene	ND	7340
1,1-Dichloroethane	ND	7340
cis-1,2-Dichloroethene	16400	7340
Chloroform	ND	7340
1,1,1-Trichloroethane	ND	7340
Carbon Tetrachloride	ND	7340
1,2-Dichloroethane	ND	7340
Trichloroethene	65900	7340
1,2-Dichloropropane	ND	7340
Bromodichloromethane	ND	7340
2-Chloroethyl Vinyl Ether	ND	7340
cis-1,3-Dichloropropene	ND	7340
trans-1,3-Dichloropropene	ND	7340
1,1,2-Trichloroethane	ND	7340
Tetrachloroethene	23700	7340
Dibromochloromethane	ND	7340
Chlorobenzene	ND	7340
Bromoform	ND	7340
1,1,2,2-Tetrachloroethane	ND	7340
1,3-Dichlorobenzene	ND	7340
1,4-Dichlorobenzene	ND	7340
1,2-Dichlorobenzene	ND	7340

Client ID: **SSAW-6_9-9.5**
Site: Klockner & Klockner

Lab Sample No: **88570**
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9561.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 17.4

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	147
Chloromethane	ND	147
Vinyl Chloride	ND	147
Bromomethane	ND	147
Chloroethane	ND	147
Trichlorofluoromethane	ND	147
1,1-Dichloroethene	ND	147
Methylene Chloride	ND	147
trans-1,2-Dichloroethene	ND	147
1,1-Dichloroethane	ND	147
cis-1,2-Dichloroethene	ND	147
Chloroform	ND	147
1,1,1-Trichloroethane	ND	147
Carbon Tetrachloride	ND	147
1,2-Dichloroethane	ND	147
Trichloroethene	ND	147
1,2-Dichloropropane	ND	147
Bromodichloromethane	ND	147
2-Chloroethyl Vinyl Ether	ND	147
cis-1,3-Dichloropropene	ND	147
trans-1,3-Dichloropropene	ND	147
1,1,2-Trichloroethane	ND	147
Tetrachloroethene	ND	147
Dibromochloromethane	ND	147
Chlorobenzene	ND	147
Bromoform	ND	147
1,1,2,2-Tetrachloroethane	ND	147
1,3-Dichlorobenzene	ND	147
1,4-Dichlorobenzene	ND	147
1,2-Dichlorobenzene	ND	147

Client ID: **FB-1**
Site: **Klockner & Klockner**

Lab Sample No: 88548
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Aluminum	ND	58.2		P
Antimony	ND	4.6	N	P
Arsenic	ND	3.8		P
Barium	ND	1.4		P
Beryllium	ND	0.20		P
Cadmium	ND	0.40		P
Calcium	281	42.2	B	P
Chromium	1.8	1.0	BN	P
Cobalt	ND	1.2		P
Copper	ND	3.5		P
Iron	ND	41.5		P
Lead	ND	2.5	*	P
Magnesium	ND	40.3		P
Manganese	3.0	1.1	BN	P
Mercury	ND	0.10		CV
Nickel	ND	2.1		P
Potassium	328	300	B	P
Selenium	ND	4.8		P
Silver	ND	1.4		P
Sodium	ND	426		P
Thallium	ND	4.8		P
Vanadium	ND	1.9		P
Zinc	17.4	4.5	B	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSNDS-1A 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88562
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 11.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	11200	13.1		P
Antimony	ND	1.0	N	P
Arsenic	7.2	0.85		P
Barium	152	0.31		P
Beryllium	0.63	0.045		P
Cadmium	ND	0.090		P
Calcium	5250	9.5		P
Chromium	22.9	0.22	N	P
Cobalt	7.5	0.27	B	P
Copper	69.9	0.79		P
Iron	31300	9.3		P
Lead	343	0.56	*	P
Magnesium	1950	9.1		P
Manganese	397	0.25	N	P
Mercury	0.65	0.019		CV
Nickel	15.3	0.47		P
Potassium	719	67.6	B	P
Selenium	ND	1.1		P
Silver	ND	0.31		P
Sodium	ND	95.8		P
Thallium	ND	1.1		P
Vanadium	35.2	0.43		P
Zinc	273	1.0		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSNDS-2A 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88563
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 11.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	8370	13.1		P
Antimony	1.0	1.0	BN	P
Arsenic	3.4	0.86		P
Barium	80.6	0.32		P
Beryllium	0.43	0.045	B	P
Cadmium	0.15	0.090	B	P
Calcium	1180	9.5		P
Chromium	14.0	0.23	N	P
Cobalt	7.1	0.27	B	P
Copper	25.5	0.79		P
Iron	18200	9.3		P
Lead	75.7	0.56	*	P
Magnesium	1700	9.1		P
Manganese	216	0.25	N	P
Mercury	0.10	0.019		CV
Nickel	11.1	0.47		P
Potassium	399	67.6	B	P
Selenium	ND	1.1		P
Silver	ND	0.32		P
Sodium	ND	95.9		P
Thallium	ND	1.1		P
Vanadium	24.3	0.43		P
Zinc	195	1.0		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSDSA-1 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88564
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 7.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	10600	12.6		P
Antimony	1.4	1.00	BN	P
Arsenic	5.0	0.82		P
Barium	222	0.30		P
Beryllium	0.56	0.043		P
Cadmium	0.76	0.087	B	P
Calcium	3580	9.1		P
Chromium	45.6	0.22	N	P
Cobalt	9.8	0.26	B	P
Copper	105	0.76		P
Iron	21600	9.0		P
Lead	344	0.54	*	P
Magnesium	2440	8.7		P
Manganese	419	0.24	N	P
Mercury	0.39	0.018		CV
Nickel	34.8	0.45		P
Potassium	1070	65.0	B	P
Selenium	ND	1.0		P
Silver	0.40	0.30	B	P
Sodium	ND	92.2		P
Thallium	ND	1.0		P
Vanadium	35.2	0.41		P
Zinc	408	0.97		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSFS-1 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88565
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 10.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	7590	13.0		P
Antimony	ND	1.0	N	P
Arsenic	3.7	0.85		P
Barium	252	0.31		P
Beryllium	0.43	0.045	B	P
Cadmium	0.78	0.090	B	P
Calcium	9660	9.5		P
Chromium	32.1	0.22	N	P
Cobalt	8.2	0.27	B	P
Copper	215	0.78		P
Iron	19500	9.3		P
Lead	471	0.56	*	P
Magnesium	2610	9.0		P
Manganese	298	0.25	N	P
Mercury	0.35	0.019		CV
Nickel	18.8	0.47		P
Potassium	979	67.3	B	P
Selenium	ND	1.1		P
Silver	0.72	0.31	B	P
Sodium	ND	95.5		P
Thallium	ND	1.1		P
Vanadium	32.4	0.43		P
Zinc	371	1.0		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSCB-1 2-2.5**
Site: **Klockner & Klockner**

Lab Sample No: 88566
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 12.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	8660	13.2		P
Antimony	ND	1.0	N	P
Arsenic	2.6	0.86		P
Barium	73.9	0.32		P
Beryllium	0.63	0.046		P
Cadmium	0.33	0.091	B	P
Calcium	3320	9.6		P
Chromium	26.4	0.23	N	P
Cobalt	8.3	0.27	B	P
Copper	36.9	0.80		P
Iron	19200	9.4		P
Lead	104	0.57	*	P
Magnesium	3150	9.2		P
Manganese	259	0.25	N	P
Mercury	0.05	0.019		CV
Nickel	14.9	0.48		P
Potassium	1110	68.3	B	P
Selenium	ND	1.1		P
Silver	ND	0.32		P
Sodium	147	96.9	B	P
Thallium	ND	1.1		P
Vanadium	53.8	0.43		P
Zinc	131	1.0		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSWT-1 7-7.5**
Site: **Klockner & Klockner**

Lab Sample No: 88567
Lab Job No: H941

Date Sampled: 10/06/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 3.9

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	4910	12.1		P
Antimony	ND	0.96	N	P
Arsenic	3.2	0.79		P
Barium	20.0	0.29	B	P
Beryllium	0.46	0.042		P
Cadmium	ND	0.083		P
Calcium	622	8.8	B	P
Chromium	8.7	0.21	N	P
Cobalt	4.1	0.25	B	P
Copper	13.8	0.73		P
Iron	16500	8.6		P
Lead	10.1	0.52	*	P
Magnesium	1620	8.4		P
Manganese	84.5	0.23	N	P
Mercury	0.08	0.017		CV
Nickel	8.6	0.44		P
Potassium	326	62.5	B	P
Selenium	ND	1.00		P
Silver	ND	0.29		P
Sodium	ND	88.7		P
Thallium	ND	1.00		P
Vanadium	14.7	0.40		P
Zinc	63.6	0.94		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Site: Klockner & Klockner

Lab Job No: H941

Date Sampled: 10/6/98
Date Received: 10/7/98
Matrix: SOIL

Date Analyzed: 10/14/98
QA Batch: 1402

TOTAL ORGANIC CARBON

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
88549	SSGC-1_1-4	8.3	2.0	8720

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

Site: Klockner & Klockner

Lab Job No: H941

Date Sampled: 10/6/98
Date Received: 10/7/98
Matrix: WATER

Date Extracted: 10/12/98
Date Analyzed: 10/12/98
QA Batch: 4639

TOTAL PETROLEUM HYDROCARBONS (418.1)

Envirotech Sample #	Client ID	Dilution Factor	Analytical Result Units: mg/l
88548	FB-1	1.0	ND

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 1.0 mg/l for an undiluted sample.

Site: Klockner & Klockner

Lab Job No: H941

Date Sampled: 10/6/98
Date Received: 10/7/98
Matrix: SOIL

Date Extracted: 10/12/98
Date Analyzed: 10/12/98
QA Batch: 4645

TOTAL PETROLEUM HYDROCARBONS (418.1)

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
88562	SSNDS-1A_0-0.5	11.1	1.0	374
88563	SSNDS-2A_0-0.5	11.2	1.0	225
88565	SSFS-1_0-0.5	10.8	1.0	823

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 25.0 mg/kg for an undiluted sample.

PROJECT NAME: Alkahest & Alkahest
PROJECT NO: 95-03-01 Envirotech #809003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Nickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/6/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
4:00	FIELD BLANK	FB-1	N/A	H_2O	BN, TAL METALS, PHC, CN	ICE/H_2SO_4 HNO_3, NaOH	4	88548
4:00	ALLEYWAY (SS AW-3)	SSGC-1	1-4'	SOIL	GRAIN SIZE, TOC	ICE	2	88549
—	TRIP BLANK	TB-1	N/A	~~MEOH~~ Water	VOC 8260 (TCL)	HCL ICE	2	88550
11:20	ALLEYWAY	SSAW-8	5.5-6'	SOIL	PHAL 8021	MEOH/ICE	2	88551
3:30	ALLEYWAY	SSAW-3	1-1.5'	SOIL	PHAL 8021	MEOH/ICE	2	88552
3:30	ALLEYWAY	SSAW-3	11.5-12'	SOIL	PHAL 8021	MEOH/ICE	2	88553
2:40	WASTE OIL TANK	SSWT-1	7-7.5'	SOIL	PHAL 8021	MEOH/ICE	2	88554
1:30	ALLEYWAY	SSAW-1	2.5-3	SOIL	PHAL 8021	MEOH/ICE	2	88555
2:00	ALLEYWAY	SSAW-1	13-13.5	SOIL	PHAL 8021	MEOH/ICE	2	88556
10:30	NORTH DRUM STORAGE	SSNDS-2	1.5-2'	SOIL	VOC'S 8260 (TCL)	MEOH/ICE	2	88557
11:30	ALLEYWAY	SSAW-8	11-11.5	SOIL	PHAL 8021	MEOH/ICE	2	88558
1010	NORTH DRUM STORAGE	SSNDS-1A	1-1.5	SOIL	VOC'S 8260 (TCL)	MEOH/ICE	2	88559

RELINQUISHED BY: [signature] DATE: 10/7/98 TIME: 0830 RECEIVED BY: [signature] DATE: 10.7.98 TIME 0830

RELINQUISHED BY: [signature] DATE: 10/7/98 TIME: 0830 RECEIVED BY: [signature] DATE: 10/7/98 TIME 0930

Full CLP Deliverables

TOTAL NO. CONTAINERS 26

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301313

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 Envirotech # 809003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/6/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
12:15	DRUM STORAGE SHED	SSFS-1	.5-1'	SOIL	VOC'S 8260 (TCL)	ICE/MEOH	2	88560
2:20	WASTE OIL TANK	SSWT-2	7-7.5	SOIL	PHAL 8021	ICE/MEOH	2	88561
10:10	NORTH DRUM STORAGE	SSNDS-1A	0-.5	SOIL	PHC, *BN, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88562
10:30	NORTH DRUM STORAGE	SSNDS-2A	0-.5	SOIL	PHC, *BN, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88563
11:50	DRUM STORAGE ALLEYWAY	SSDSA-1	0-.5	SOIL	CN, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88564
12.15	DRUM STORAGE SHED	SSFS-1	0-.5	SOIL	*BN +15, TAL METALS, PHC	ICE/MEOH	1 ~~2~~ LW	88565
11:40	CATCH BASIN	SSCB-1	2-2.5	SOIL	BN+15, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88566
2:40 (R)	WASTE OIL TANK	SSWT-1 (R)	7-7.5	SOIL	TAL METALS	ICE	1	88567
~~—~~	~~TRIPBLANK~~	~~TB-1~~	~~—~~	~~MEOH~~	~~VOC 8021~~	~~ICE/MEOH~~	~~1~~	~~LW~~
12:00	DRUM STORAGE ALLEYWAY	SSDSA-1	1.5-2	SOIL	PHAL 8021	ICE/MEOH	2	88568
5:05 PM	Alley way	SSAW-6	2-2.5	SOIL	PHAL 8021	ICE/MEOH	2	88569
5:10	Alleyway	SSAW-6	9-9.5	SOIL	PHAL 8021	ICE/MEOH	2	88670

RELINQUISHED BY: Cheryl L Coffee DATE: 10/7/98 TIME 8:30 RECEIVED BY: Wayne [illegible] DATE: 10/7/98 TIME 08:30

RELINQUISHED BY: Wayne [illegible] DATE: 10/7/98 TIME: 0930 RECEIVED BY: [illegible] DATE: 10/7/98 TIME 0930

TOTAL NO. CONTAINERS 17

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301314

ATTACHMENT 6

ANALYTICAL DATA SHEETS

10/6/98 – JOB #H9411

301316

ATTACHMENT 6

ANALYTICAL DATA SHEETS

10/6/98 – JOB #H9411

301317

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

- 3 1998
The Whitman Companies, Inc.

October 29, 1998

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Dr. Ira Whitman

Re: SDG No. H9411 - Klockner & Klockner (Inorganics)

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 07, 1998:

Lab No.	Client ID	Analysis Required
88548	FB-1	CLP CN
88564	SSDSA-1_0-0.5	CLP CN
88676	SSDSA-2_0-0.5	CLP CN

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301318

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

A-1_0-0.5

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.: H9411_

Matrix (soil/water): SOIL_ Lab Sample ID: 88564

Level (low/med): LOW__ Date Received: 10/07/98

% Solids: _92.4

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_		_		NR
7440-36-0	Antimony_		_		NR
7440-38-2	Arsenic__		_		NR
7440-39-3	Barium___		_		NR
7440-41-7	Beryllium		_		NR
7440-43-9	Cadmium__		_		NR
7440-70-2	Calcium__		_		NR
7440-47-3	Chromium_		_		NR
7440-48-4	Cobalt___		_		NR
7440-50-8	Copper___		_		NR
7439-89-6	Iron____		_		NR
7439-92-1	Lead____		_		NR
7439-95-4	Magnesium		_		NR
7439-96-5	Manganese		_		NR
7439-97-6	Mercury__		_		NR
7440-02-0	Nickel___		_		NR
7440-09-7	Potassium		_		NR
7782-49-2	Selenium_		_		NR
7440-22-4	Silver___		_		NR
7440-23-5	Sodium___		_		NR
7440-28-0	Thallium_		_		NR
7440-62-2	Vanadium_		_		NR
7440-66-6	Zinc____		_		NR
5955-70-0	Cyanide__	0.54	U		C_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

SSDSA-1_0-0.5

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

A-2_0-0.5

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.: H9411_

Matrix (soil/water): SOIL_ Lab Sample ID: 88676

Level (low/med): LOW__ Date Received: 10/07/98

% Solids: _85.2

Concentration Units (ug/L or mg/kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
5955-70-0	Cyanide__	0.59	U		C_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

SSDSA-2_0-0.5

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

FB-1

Lab Name: ENVIROTECH_RESEARCH_INC._ Contract: _____

Lab Code: 12543_ Case No.: _____ SAS No.: _____ SDG No.: H9411_

Matrix (soil/water): WATER Lab Sample ID: 88548

Level (low/med): LOW__ Date Received: 10/07/98

% Solids: __0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L_

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum_				NR
7440-36-0	Antimony_				NR
7440-38-2	Arsenic__				NR
7440-39-3	Barium___				NR
7440-41-7	Beryllium				NR
7440-43-9	Cadmium__				NR
7440-70-2	Calcium__				NR
7440-47-3	Chromium_				NR
7440-48-4	Cobalt___				NR
7440-50-8	Copper___				NR
7439-89-6	Iron____				NR
7439-92-1	Lead____				NR
7439-95-4	Magnesium				NR
7439-96-5	Manganese				NR
7439-97-6	Mercury__				NR
7440-02-0	Nickel___				NR
7440-09-7	Potassium				NR
7782-49-2	Selenium_				NR
7440-22-4	Silver___				NR
7440-23-5	Sodium___				NR
7440-28-0	Thallium_				NR
7440-62-2	Vanadium_				NR
7440-66-6	Zinc____				NR
5955-70-0	Cyanide__	10.0	U		C_

Color Before: _____ Clarity Before: _____ Texture: _____

Color After: _____ Clarity After: _____ Artifacts: _____

Comments:

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/6/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
4:00	FIELD BLANK	FB-1	N/A	H_2O	BN, TAL METALS, PHC, CN	ICE/H_2SO_4 HNO_3, NaOH	4	88548
4:00	ALLEYWAY (SS AW-3)	SSGC-1	1-4'	SOIL	GRAIN SIZE, TOC	ICE	2	88549
—	TRIP BLANK	TB-1	N/A	~~MEOH~~ Water	VOC 8260 (TCL)	HCL ICE	2	88550
11:20	ALLEYWAY	SSAW-8	5.5-6'	SOIL	PHAL 8021	MEOH/ICE	2	88551
3:30	ALLEYWAY	SSAW-3	1-1.5'	SOIL	PHAL 8021	MEOH/ICE	2	88552
3:30	ALLEYWAY	SSAW-3	11.5-12'	SOIL	PHAL 8021	MEOH/ICE	2	88553
2:40	WASTE OIL TANK	SSWT-1	7-7.5'	SOIL	PHAL 8021	MEOH/ICE	2	88554
1:30	ALLEYWAY	SSAW-1	2.5-3	SOIL	PHAL 8021	MEOH/ICE	2	88555
2:00	ALLEYWAY	SSAW-1	13-13.5	SOIL	PHAL 8021	MEOH/ICE	2	88556
10:30	NORTH DRUM STORAGE	SSNDS-2	1.5-2'	SOIL	VOC'S 8260 (TCL)	MEOH/ICE	2	88557
11:30	ALLEYWAY	SSAW-8	11-11.5	SOIL	PHAL 8021	MEOH/ICE	2	88558
1010	NORTH DRUM STORAGE	SSNDS-1A	1-1.5	SOIL	VOC'S 8260 (TCL)	MEOH/ICE	2	88559

RELINQUISHED BY: [signature] DATE: 10/7/98 TIME: 0830 RECEIVED BY: [signature] DATE: 10.7.98 TIME 0830

RELINQUISHED BY: [signature] DATE: 10/7/98 TIME: 0830 RECEIVED BY: [signature] DATE: 10/7/98 TIME 0930

Full CLP Deliverables

TOTAL NO. CONTAINERS 26

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS

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BN: BASE NEUTRALS WITH LIBRARY SEARCH

AE: ACID EXTRACTABLES WITH LIBRARY SEARCH

PPM: PRIORITY POLLUTANT METALS

PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE

FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301322

4

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/6/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESERVATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
12:15	DRUM STORAGE SHED	SSFS-1	.5-1'	SOIL	VOC'S 8260 (TCL)	ICE/MEOH	2	88560
2:20	WASTE OIL TANK	SSWT-2	7-7.5	SOIL	PHAL 8021	ICE/MEOH	2	88561
10:10	NORTH DRUM STORAGE	SSNDS-1A	0-.5	SOIL	PHC, *BN, TAL METALS	ICE/MEOH	1 ~~2~~	LW 88562
10:30	NORTH DRUM STORAGE	SSNDS-2A	0-.5	SOIL	PHC, *BN, TAL METALS	ICE/MEOH	1 ~~2~~	LW 88563
11:50	DRUM STORAGE ALLEYWAY	SSDSA-1	0-.5	SOIL	CN, TAL METALS	ICE/MEOH	1 ~~2~~	LW 88564
12:15	DRUM STORAGE SHED	SSFS-1	0-.5	SOIL	*BN+15, TAL METALS, PHC	ICE/MEOH	1 ~~2~~	LW 88565
11:40	CATCH BASIN	SSCB-1	2-2.5	SOIL	BN+15, TAL METALS	ICE/MEOH	1 ~~2~~	LW 88566
2:40 (D)	WASTE OIL TANK	SSWT-1 (D)	7-7.5	SOIL	TAL METALS	ICE	1	88567
~~—~~	~~TRIPBLANK~~	~~TB-1~~	~~—~~	~~MEOH~~	~~VOC 8021~~	~~ICE/MEOH~~	~~1~~	~~LW~~
12:00	DRUM STORAGE ALLEYWAY	SSDSA-1	1.5-2	SOIL	PHAL 8021	ICE/MEOH	2	88568
5:05 PM	Alley way	SSAW-6	2-2.5	SOIL	PHAL 8021	ICE/MEOH	2	88569
5:10	Alleyway	SSAW-6	9-9.5	SOIL	PHAL 8021	ICE/MEOH	2	88670

RELINQUISHED BY: Cheryl L Coffee DATE: 10/7/98 TIME 8:30 RECEIVED BY: Wayne Ellis DATE: 10/7/98 TIME 08:30

RELINQUISHED BY: Wayne Ellis DATE: 10/7/98 TIME: 0930 RECEIVED BY: [illegible] DATE: 10/7/98 TIME 0930

TOTAL NO. CONTAINERS 17

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301323

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/7/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

H950

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1303	SCALE ROOM	SSSR-2	0-.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88674
1320	SCALE ROOM	SSSR-3	0-.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88675
1351	DRUM STORAGE AREA	SSDSA-2	0-.5'	SOIL	Cn	ICE	1	88676
1354	DRUM STORAGE SHED	SSFS-2	0-.5	SOIL	PAC, TAL METALS, BN TIS	ICE	1	BN CONTINGENT 88677
1438	ALLEY WAY	SSAW-4	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88678
1445	ALLEY WAY	SSAW-4	9.5-10'	SOIL	PHAL (8021)	ICE/MEOH	2	88679
1450	GEOLOGICAL CHARACTERISTICS	SSGC-4	4-7'	SOIL	TOC, GRAIN SIZE	ICE	2	88680
1515	SCALE ROOM	SSSR-1	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88681
1520	SCALE ROOM	SSSR-4	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88682
1530	LEACH PIT	SSLP-1	12-12.5	SOIL	TAL METALS	ICE	1	88683
1615	GAS TANK	SSGT-2	7-7.5	SOIL	TCL VOC	ICE/MEOH	2	88684
1625	GAS TANK	SSGT-4	7-7.5	SOIL	TCL VOC, Pb	ICE/MEOH	3	88685

RELINQUISHED BY: Cheryl L Coffee DATE: 10/7/98 TIME: 1745 RECEIVED BY: [illegible] DATE: 1745 TIME 10/7/98

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS

VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH

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BN: BASE NEUTRALS WITH LIBRARY SEARCH

AE: ACID EXTRACTABLES WITH LIBRARY SEARCH

PPM: PRIORITY POLLUTANT METALS

PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE

FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301324

6

7

301325

ATTACHMENT 7

ANALYTICAL DATA SHEETS

10/7, 8/98 – JOB #H941GS

301326

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

November 17, 1998

RECEIVED
1998
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Dr. Ira Whitman

Re: Job No. H941GS - Klockner & Klockner

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 7 and 9, 1998:

Lab No.	Client ID	Analysis Required
H941-88549	SSGC-1	Grain Size
H950-88670	SSGC-2	Grain Size
H950-88673	SSGC-3	Grain Size
H950-88680	SSGC-4	Grain Size
I052-89302	SSGC-1A	Grain Size

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

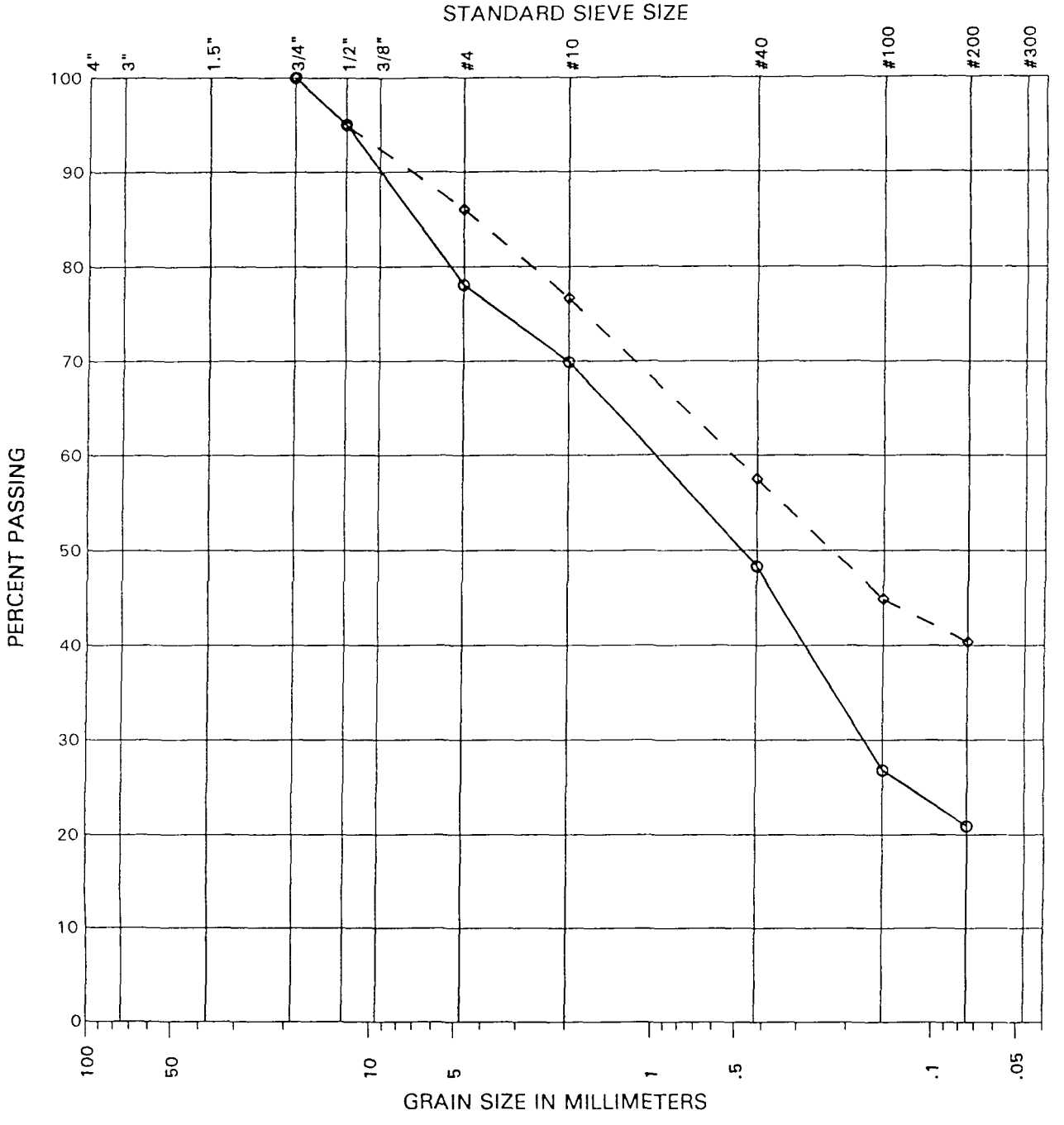
Michael J. Urban
Laboratory Manager

301327

301328

UNIFIED SOIL CLASSIFICATION

COBBLES & BOULDERS	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	

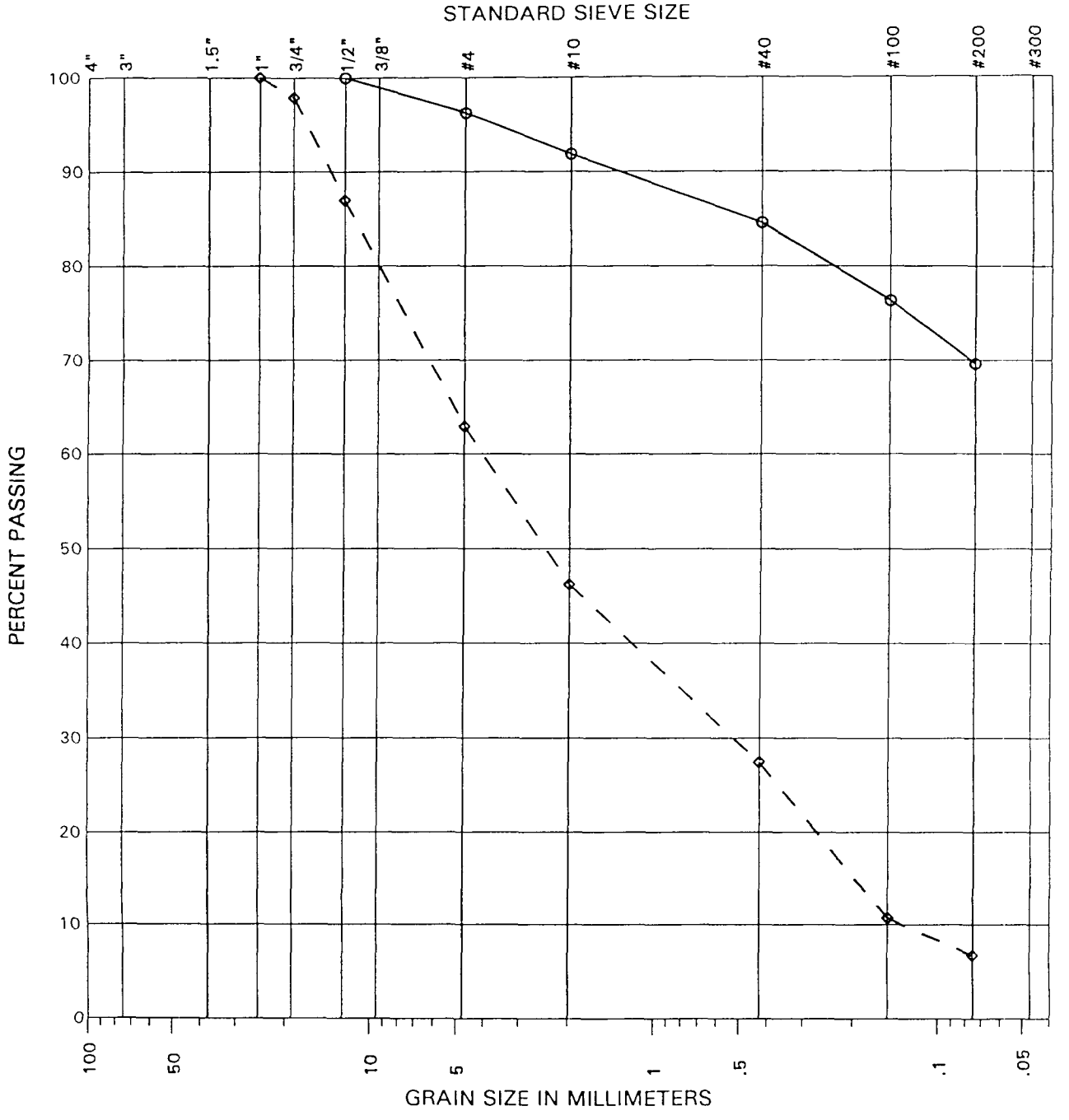


EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
H941-88549	ENVIROTECH ;4'-6'			
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	8.4	----	----	SM
USCS CLASSIFICATION:				
FINE TO MEDIUM SAND,SOME FINE GRAVEL,SOME CLAYEY SILT				
EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
H950-88670	EVIROTECH ;1'-3'			
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	15.7	----	----	SM
USCS CLASSIFICATION:				
FINE TO MEDIUM SAND,AND CLAYEY SILT,LITTLE FINE GRAVEL				

GRADATION CURVES

UNIFIED SOIL CLASSIFICATION

COBBLES & BOULDERS	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
H950-88673	ENVIROTECH ;1'-4'			
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	19.4	----	----	ML
USCS CLASSIFICATION:				
CLAYEY SILT,SOME FINE TO COARSE SAND,TRACE FINE GRAVEL				
EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
H950-88680	ENVIROTECH ;4'-7'			
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	2.9	----	----	SP/SM
USCS CLASSIFICATION:				
FINE TO COARSE SAND,AND FINE TO COARSE GRAVEL,TRACE SILT				

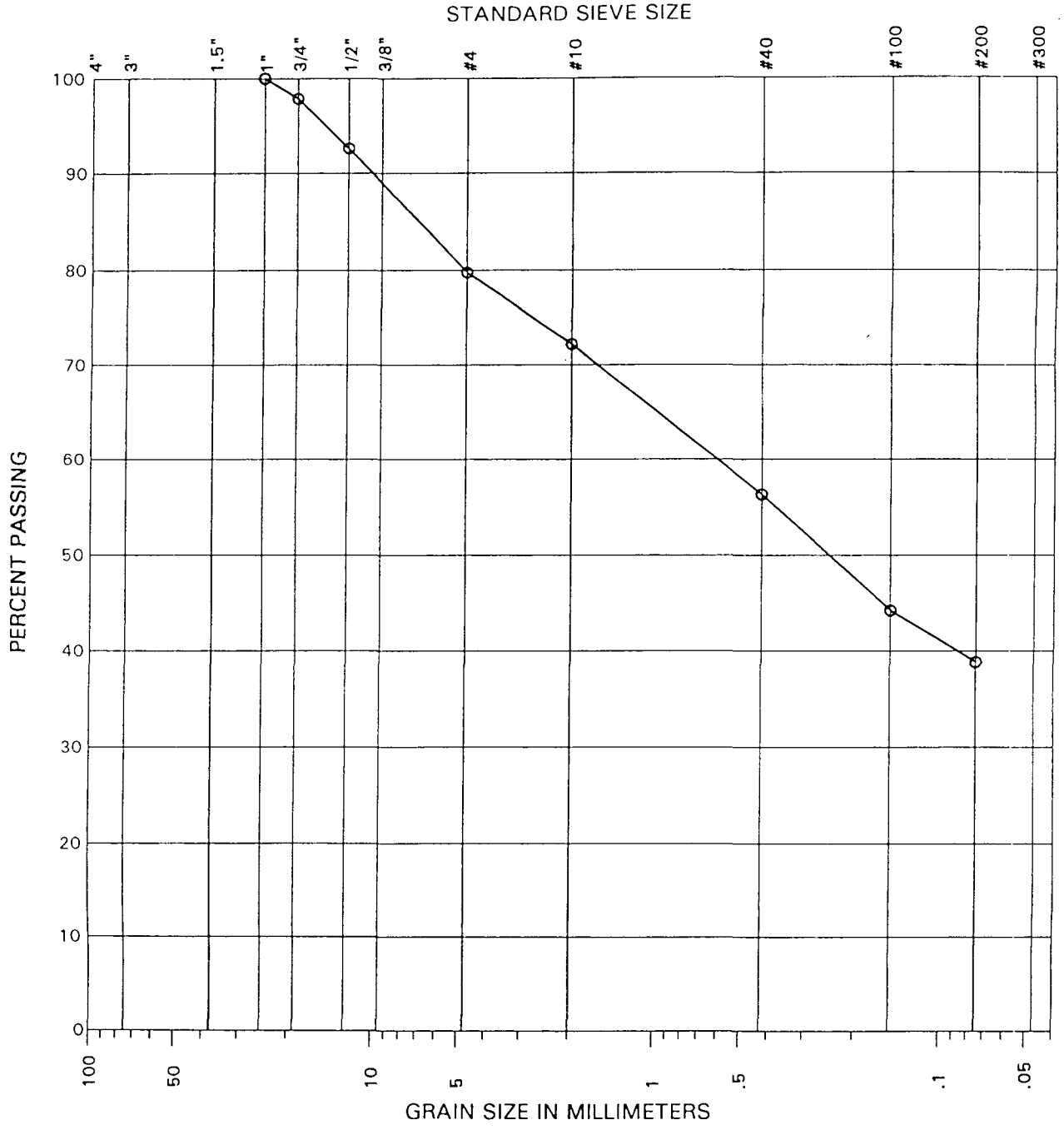
GRADATION CURVES

JOB NUMBER 5100-108

301330

UNIFIED SOIL CLASSIFICATION

COBBLES & BOULDERS	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
1052-89302	ENVIROTECH ;1.5'-4'			
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	15.3	----	----	SM
USCS CLASSIFICATION:				
FINE TO MEDIUM SAND,AND CLAYEY SILT,SOME FINE TO COARSE GRAVEL				

GRADATION CURVE

CHAIN OF CUSTODY

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 Envirotech # 809003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/6/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESERVATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
4:00	FIELD BLANK	FB-1	N/A	H_2O	BN, TAL METALS, PHC, CN	ICE/H_2SO_4 HNO_3, NaOH	4	88548
4:00	ALLEYWAY (SS AW-3)	SSGC-1	1-4'	SOIL	GRAIN SIZE, TOC	ICE	2	88549
—	TRIP BLANK	TB-1	N/A	~~HECH~~ water	VOC 8260 (TCL)	HCL ICE	2	88550
11:20	ALLEYWAY	SSAW-8	5.5-6'	SOIL	PHAL 8021	MEOH/ICE	2	88551
3:30	ALLEYWAY	SSAW-3	1-1.5'	SOIL	PHAL 8021	MEOH/ICE	2	88552
3:30	ALLEYWAY	SSAW-3	11.5-12'	SOIL	PHAL 8021	MEOH/ICE	2	88553
2:40	WASTE OIL TANK	SSWT-1	7-7.5'	SOIL	PHAL 8021	MEOH/ICE	2	88554
1:30	ALLEYWAY	SSAW-1	2.5-3'	SOIL	PHAL 8021	MEOH/ICE	2	88555
2:00	ALLEYWAY	SSAW-1	13-13.5'	SOIL	PHAL 8021	MEOH/ICE	2	88556
10:30	NORTH DRUM STORAGE	SSNDS-2	1.5-2'	SOIL	VOC's 8260 (TCL)	MEOH/ICE	2	88557
11:30	ALLEYWAY	SSAW-8	11-11.5'	SOIL	PHAL 8021	MEOH/ICE	2	88558
1010	NORTH DRUM STORAGE	SSNDS-1A	1-1.5	SOIL	VOC's 8260 (TCL)	MEOH/ICE	2	88559

RELINQUISHED BY: Cheryl L. Coffee DATE: 10/7/98 TIME: 0830 RECEIVED BY: Wade [illegible] DATE: 10.7.98 TIME 0830

RELINQUISHED BY: Wade [illegible] DATE: 10/7/98 TIME: 0830 RECEIVED BY: [illegible] DATE: 10/7/98 TIME 0930

Full CLP Deliverables

TOTAL NO. CONTAINERS 26

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

C = CEILING TILE
F = FLOOR TILE
T = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301331

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 Envirotech # 809003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/6/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
12:15	DRUM STORAGE SHED	SSFS-1	.5-1'	SOIL	VOC'S 8260 (TCL)	ICE/MEOH	2	88560
2:20	WASTE OIL TANK	SSWT-2	7-7.5	SOIL	PHAL 8021	ICE/MEOH	2	88561
10:10	NORTH DRUM STORAGE	SSNDS-1A	0-.5	SOIL	PHC, *BN, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88562
10:30	NORTH DRUM STORAGE	SSNDS-2A	0-.5	SOIL	PHC, *BN, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88563
11:50	DRUM STORAGE ALLEYWAY	SSDSA-1	0-.5	SOIL	CN, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88564
12.15	DRUM STORAGE SHED	SSFS-1	0-.5	SOIL	*BN+15, TAL METALS, PHC	ICE/MEOH	1 ~~2~~ LW	88565
11:40	CATCH BASIN	SSCB-1	2-2.5	SOIL	BN+15, TAL METALS	ICE/MEOH	1 ~~2~~ LW	88566
2:40 (R)	WASTE OIL TANK	SSWT-1 (R)	7-7.5	SOIL	TAL METALS	ICE	1	88567
~~—~~	~~TRIPBLANK~~	~~TB-1~~	~~—~~	~~MEOH~~	~~VOC 8021~~	~~ICE/MEOH~~	~~1~~	~~LW~~
12:00	DRUM STORAGE ALLEYWAY	SSDSA-1	1.5-2	SOIL	PHAL 8021	ICE/MEOH	2	88568
5:05 PM	Alley way	SSAW-6	2-2.5	SOIL	PHAL 8021	ICE/MEOH	2	88569
5:10	Alleyway	SSAW-6	9-9.5	SOIL	PHAL 8021	ICE/MEOH	2	88670

RELINQUISHED BY: Cheryl L Coffee DATE: 10/7/98 TIME: 8:30 RECEIVED BY: Wayne Ellis DATE: 10/7/98 TIME: 08:30

RELINQUISHED BY: Wayne Ellis DATE: 10/7/98 TIME: 0930 RECEIVED BY: [illegible] DATE: 10/7/98 TIME: 0930

TOTAL NO. CONTAINERS 17

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301332

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 Envirotech Research # 809003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Sickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/7/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

H950

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
—	TRIP BLANK		N/A	MEOH		ICE	1	88662
1405	FIELD BLANK	FB-2	N/A	H_2O	TCL VOC	ICE/HCl	2	88663
1045	ALLEYWAY	SSAW-7	5-5.5	SOIL	PHAL 8021	ICE/MEOH	2	88664
1046	ALLEYWAY	SSAW-7	12-12.5	SOIL	PHAL 8021	ICE/MEOH	2	88665
1105	SUMP	SSSP-1	4-4.5	SOIL	TCL VOC, PHC, TAL METALS, *BNTIS	ICE/MEOH	3	88666
1152	ALLEY WAY	SSAW-9	1-1.5	SOIL	PHAL (8021)	ICE/MEOH	2	88667
1155	ALLEY WAY	SSAW-10	1-1.5	SOIL	PHAL (8021)	ICE/MEOH	2	88668
1210	ALLEY WAY	SSAW-9	11.5-12'	SOIL	PHAL (8021)	ICE/MEOH	2	88669
1200	GEOLOGICAL CHARACTERISTIC	SSGC-2	1-3'	SOIL	TOC, GRAINSIZE	ICE	2	88670
1235	ALLEYWAY	SSAW-2	1.5-2'	SOIL	PHAL (8021)	ICE/MEOH	2	88671
1243	ALLEY WAY	SSAW-2	7.5-8'	SOIL	PHAL (8021)	ICE/MEOH	2	88672
1245	GEOLOGICAL CHARACTERISTICS	SSGC-3	1-4'	SOIL	TOC, GRAIN SIZE	ICE	2	88673

RELINQUISHED BY: Cheryl Coffee DATE: 10/7/98 TIME: 1745 RECEIVED BY: [signature] DATE: 10/7/98 TIME 1745

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
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PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301333

PROJECT NAME: Kleckner & Kleckner
PROJECT NO: 98-03-02 Envirotech # 807003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Sickle Avenue & Elm Street, Hackensack Borough, NJ
SAMPLE DATE: 10/7/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

H950

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1303	SCALE ROOM	SSSR-2	0-.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88674
1320	SCALE ROOM	SSSR-3	0-.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88675
1351	DRUM STORAGE AREA	SSDSA-2	0-.5'	SOIL	CN	ICE	1	88676
1354	DRUM STORAGE SHED	SSFS-2	0-.5	SOIL	PHC, TAL METALS, BN+IS	ICE	1	BN CONTINGENT 88677
1438	ALLEY WAY	SSAW-4	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88678
1445	ALLEY WAY	SSAW-4	9.5-10'	SOIL	PHAL (8021)	ICE/MEOH	2	88679
1450	GEOLOGICAL CHARACTERISTICS	SSGC-4	4-7'	SOIL	TOC, GRAIN SIZE	ICE	2	88680
1515	SCALE ROOM	SSSR-1	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88681
1520	SCALE ROOM	SSSR-4	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88682
1530	LEACH PIT	SSLP-1	12-12.5	SOIL	TAL METALS	ICE	1	88683
1615	GAS TANK	SSGT-2	7-7.5	SOIL	TCL VOC	ICE/MEOH	2	88684
1625	GAS TANK	SSGT-4	7-7.5	SOIL	TCL VOC, Pb	ICE/MEOH	3	88685

RELINQUISHED BY: Cheryl L. Coffee DATE: 10/7/98 TIME: 1745 RECEIVED BY: [signature] DATE: 1745 TIME 10/7/98

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301334

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/7/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

H950

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1630	GAS TANK	SSGT-3	7-7.5	SOIL	TCL VOC	ICE/MEOH	2	8826 86

RELINQUISHED BY: Cheryl Coffee DATE: 10/7/98 TIME: 1745 RECEIVED BY: [illegible] DATE: 1745 TIME 10/7/98

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

TOTAL NO. CONTAINERS_____

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC. PETROLEUM HYDROCARBONS

VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH

PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH

BN: BASE NEUTRALS WITH LIBRARY SEARCH

AE: ACID EXTRACTABLES WITH LIBRARY SEARCH

PPM: PRIORITY POLLUTANT METALS

PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE

FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301335

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/8/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

PAGE 1 OF 1

I052

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
—	TRIP BLANK	TB-3	N/A	MEOH	PHAL (8021)	ICE	1	89299
1210	OIL STORAGE SHED	SSOSS-1	1-1.5	SOIL	PHAL (8021)	ICE/MEOH	2	89300
1215	CONCRETE PAD	SSCP-1	3.5-4'	SOIL	PHAL (8021)	ICE/MEOH	2	1 WEEK TAT89301
0950	(Concrete Pad SSCP-4) GEOLOGICAL CHARACTERISTICS	SSGC-1A	1.5-4'	SOIL	TOC, GRAIN SIZE	ICE	2	89302
1218	CONCRETE PAD	SSCP-1	11-11.5'	SOIL	PHAL (8021)	ICE/MEOH	2	1 WEEK TAT89303
1500	FLOOR DRAIN	SSFD-1	1.5-2'	SOIL	PHAL (8021)	ICE/MEOH	2	89304
12:23	Concrete Pad	SSCP-4	1-1.5'	Soil	* PHAL Contingent	Ice/MEOH	2	89305
12:13	Concrete Pad	SSCP-2	1.5-2'	Soil	* PHAL Contingent	Ice/MEOH	2	89306
13:20	Concrete Pad	SSCP-3	1.5-2'	Soil	* PHAL Contingent	Ice/MEOH	2	89307
	~~TB-3~~ gp			~~MeOH~~		~~MeOH~~	~~1~~	
				gp		gp	gp	

RELINQUISHED BY: [signature] DATE: 10/9/98 TIME: 1600 RECEIVED BY: [signature] DATE: 10-9-98 TIME 1600

RELINQUISHED BY: [signature] DATE: 10-9-98 TIME: 1810 RECEIVED BY: [signature] DATE: 10/9/98 TIME 1810

TOTAL NO. CONTAINERS 17

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC PETROLEUM HYDROCARBONS
VOC VOLATILE ORGANICS BY GCMS WITH LIBRARY SEARCH
PAH POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN BASE NEUTRALS WITH LIBRARY SEARCH
AE ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM PRIORITY POLLUTANT METALS
PP+40 PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301336

ENVIROTECH RESEARCH INC.
777 New Durham Road
Edison, New Jersey 08817
Phone: (908) 549-3900 Fax: (908) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

PAGE ___ OF ___

Name (for report and invoice) Rob McGrady	Samplers Name (Printed)
Company Envirotech Research, Inc.	P.O. # NJ: ☐ NY: ☐ Other:
Address 777 New Durham Road	Analysis Turnaround Time: Standard [X]
City: Edison / State: NJ / Zip: 08817	Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐
Phone: 732-549-3900 / Fax: 732-549-3679	

ANALYSIS REQUESTED (ENTER "X" BELOW TO

LAB USE ONLY: Property No. / Job No. / Sample Storage

Sample Identification (Fridge)	Date	Time	Matrix	No. of Cont.	Grain Size
SSGC-1 H941-88549 (38)	10/6/98		Soil	1	X
SSGC-2 H950-88670 (9)	10/7/98		"	1	X
SSGC-3 H950-88673	"		"	1	X
SSGC-4 H950-88680	"		"	1	X
SSGC-1A 1052-89302 (6)	8-Oct		"	1	X

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = Other _____, 7 = Other _____

Soil:
Water:

Special Instructions: Please fax results to Diane Shamy when available. Thanks.

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) [signature]	Envirotech Research, Inc.	10/14/98 1530	1) Clifford Bay	Melick-Tully
Relinquished by 2)	Company	Date / Time	Received by 2)	Company

Subcontracted to: Melick-Tully

301337

Last week 5 samples

8

ATTACHMENT 8

ANALYTICAL DATA SHEETS

10/7/98 – JOB #H950

301339

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

November 5, 1998

RECEIVED
NOV 18 1998
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Dr. Ira Whitman

Re: Job No. H950 - Klockner & Klockner

Dear Dr. Whitman:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 07, 1998:

Lab No.	Client ID	Analysis Required
88662	Trip_Blank	TCL VOA+10
88663	FB-2	TCL VOA+10
88664	SSAW-7_5-5.5	Purgeable Halocarbons
88665	SSAW-7_12-12.5	Purgeable Halocarbons
88666	SSSP-1_4-4.5	TCL VOA+10, TAL Metals, PHC
88667	SSAW-9_1-1.5	Purgeable Halocarbons
88668	SSAW-10_1-1.5	Purgeable Halocarbons
88669	SSAW-9_11.5-12	Purgeable Halocarbons
88670	SSGC-2_1-3	TOC
88671	SSAW-2_1.5-2	Purgeable Halocarbons
88672	SSAW-2_7.5-8	Purgeable Halocarbons
88673	SSGC-3_1-4	TOC
88674	SSSR-2_0-0.5	Purgeable Halocarbons
88675	SSSR-3_0-0.5	Purgeable Halocarbons
88677	SSFS-2_0-0.5	TCL BN+10, TAL Metals, PHC
88678	SSAW-4_4-4.5	Purgeable Halocarbons
88679	SSAW-4_9.5-10	Purgeable Halocarbons
88680	SSGC-4_4-7	TOC
88681	SSSR-1_4-4.5	Purgeable Halocarbons

301340

ENVIROTECH RESEARCH, INC.

Lab No.	Client ID	Analysis Required
88682	SSSR-4_4-4.5	Purgeable Halocarbons
88683	SSLP-1_12-12.5	TAL Metals
88684	SSGT-2_7-7.5	TCL VOA+10, Pb
88685	SSGT-1_7-7.5	TCL VOA+10, Pb
88686	SSGT-3_7-7.5	TCL VOA+10

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

Client ID: **Trip_Blank**
Site: Klockner & Klockner

Lab Sample No: **88662**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4657.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	380
Acetone	ND	620
Carbon Disulfide	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
2-Butanone	ND	620
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	380
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
Bromoform	ND	500
4-Methyl-2-Pentanone	ND	620
2-Hexanone	ND	620
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	500
Styrene	ND	620
Xylene (Total)	ND	620

Client ID: **Trip_Blank**
Site: Klockner & Klockner

Lab Sample No: **88662**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4657.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **FB-2**
Site: Klockner & Klockner

Lab Sample No: **88663**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c2236.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 8260

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Chloromethane	ND	5.0
Bromomethane	ND	5.0
Vinyl Chloride	ND	5.0
Chloroethane	ND	5.0
Methylene Chloride	ND	3.0
Acetone	ND	5.0
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.0
1,1-Dichloroethane	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	5.0
1,2-Dichloroethane	ND	2.0
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	5.0
Carbon Tetrachloride	ND	2.0
Bromodichloromethane	ND	1.0
1,2-Dichloropropane	ND	1.0
cis-1,3-Dichloropropene	ND	5.0
Trichloroethene	ND	1.0
Dibromochloromethane	ND	5.0
1,1,2-Trichloroethane	ND	3.0
Benzene	ND	1.0
trans-1,3-Dichloropropene	ND	5.0
Bromoform	ND	4.0
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
Toluene	ND	5.0
Chlorobenzene	ND	5.0
Ethylbenzene	ND	4.0
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **FB-2**
Site: Klockner & Klockner

Lab Sample No: **88663**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAMS3.i
Lab File ID: c2236.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **SSSP-1_4-4.5**
Site: Klockner & Klockner

Lab Sample No: **88666**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a6484.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 250.0
% Moisture: 10

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	3200
Bromomethane	ND	3200
Vinyl Chloride	ND	3200
Chloroethane	ND	3200
Methylene Chloride	ND	1900
Acetone	ND	3200
Carbon Disulfide	ND	3200
1,1-Dichloroethene	ND	1300
1,1-Dichloroethane	ND	3200
trans-1,2-Dichloroethene	ND	3200
cis-1,2-Dichloroethene	790 J	3200
Chloroform	ND	3200
1,2-Dichloroethane	ND	1300
2-Butanone	ND	3200
1,1,1-Trichloroethane	ND	3200
Carbon Tetrachloride	ND	1300
Bromodichloromethane	ND	640
1,2-Dichloropropane	ND	640
cis-1,3-Dichloropropene	ND	3200
Trichloroethene	37000	640
Dibromochloromethane	ND	3200
1,1,2-Trichloroethane	ND	1900
Benzene	ND	640
trans-1,3-Dichloropropene	ND	3200
Bromoform	ND	2600
4-Methyl-2-Pentanone	ND	3200
2-Hexanone	ND	3200
Tetrachloroethene	2100	640
1,1,2,2-Tetrachloroethane	ND	640
Toluene	ND	3200
Chlorobenzene	ND	3200
Ethylbenzene	ND	2600
Styrene	ND	3200
Xylene (Total)	ND	3200

Client ID: **SSSP-1_4-4.5**
Site: Klockner & Klockner

Lab Sample No: **88666**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAMS1.i
Lab File ID: a6484.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.8 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 250.0
% Moisture: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **SSFS-2_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88677**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8328.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
bis(2-Chloroethyl)ether	ND	87
1,3-Dichlorobenzene	ND	870
1,4-Dichlorobenzene	ND	870
1,2-Dichlorobenzene	ND	870
bis(2-chloroisopropyl)ether	ND	870
N-Nitroso-di-n-propylamine	ND	87
Hexachloroethane	ND	87
Nitrobenzene	ND	87
Isophorone	ND	870
bis(2-Chloroethoxy)methane	ND	870
1,2,4-Trichlorobenzene	ND	87
Naphthalene	ND	870
4-Chloroaniline	ND	870
Hexachlorobutadiene	ND	170
2-Methylnaphthalene	ND	870
Hexachlorocyclopentadiene	ND	870
2-Chloronaphthalene	ND	870
2-Nitroaniline	ND	1700
Dimethylphthalate	ND	870
Acenaphthylene	ND	870
2,6-Dinitrotoluene	ND	170
3-Nitroaniline	ND	1700
Acenaphthene	ND	870
Dibenzofuran	ND	870
2,4-Dinitrotoluene	ND	170
Diethylphthalate	ND	870
4-Chlorophenyl-phenylether	ND	870
Fluorene	ND	870
4-Nitroaniline	ND	1700
N-Nitrosodiphenylamine	ND	870
4-Bromophenyl-phenylether	ND	870
Hexachlorobenzene	ND	87
Phenanthrene	78 J	870
Anthracene	ND	870

Client ID: **SSFS-2_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88677**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8328.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
% Moisture: 4

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 8270C

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Carbazole	ND	870
Di-n-butylphthalate	ND	870
Fluoranthene	120 J	870
Pyrene	130 J	870
Butylbenzylphthalate	ND	870
3,3'-Dichlorobenzidine	ND	1700
Benzo(a)anthracene	55 J	87
Chrysene	120 J	870
bis(2-Ethylhexyl)phthalate	13000	870
Di-n-octylphthalate	ND	870
Benzo(b)fluoranthene	100	87
Benzo(k)fluoranthene	39 J	87
Benzo(a)pyrene	81 J	87
Indeno(1,2,3-cd)pyrene	36 J	87
Dibenz(a,h)anthracene	ND	87
Benzo(g,h,i)perylene	46 J	870

Client ID: **SSFS-2_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88677**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Extracted: 10/15/98
Date Analyzed: 10/21/98
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s8328.d

Matrix: SOIL
Level: LOW
Sample Weight: 30.0 g
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
% Moisture: 4.5

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8270C

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. Unknown Alkane	27.03	1200	
2. Unknown Alkane	29.20	3900	
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TOTAL ESTIMATED CONCENTRATION 5100

Client ID: **SSGT-2_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88684**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4658.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.7 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	620
Bromomethane	ND	620
Vinyl Chloride	ND	620
Chloroethane	ND	620
Methylene Chloride	ND	380
Acetone	ND	620
Carbon Disulfide	ND	620
1,1-Dichloroethene	ND	250
1,1-Dichloroethane	ND	620
trans-1,2-Dichloroethene	ND	620
cis-1,2-Dichloroethene	ND	620
Chloroform	ND	620
1,2-Dichloroethane	ND	250
2-Butanone	ND	620
1,1,1-Trichloroethane	ND	620
Carbon Tetrachloride	ND	250
Bromodichloromethane	ND	120
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	620
Trichloroethene	ND	120
Dibromochloromethane	ND	620
1,1,2-Trichloroethane	ND	380
Benzene	ND	120
trans-1,3-Dichloropropene	ND	620
Bromoform	ND	500
4-Methyl-2-Pentanone	ND	620
2-Hexanone	ND	620
Tetrachloroethene	ND	120
1,1,2,2-Tetrachloroethane	ND	120
Toluene	ND	620
Chlorobenzene	ND	620
Ethylbenzene	ND	500
Styrene	ND	620
Xylene (Total)	ND	620

Client ID: **SSGT-2_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88684**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4658.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.7 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.6

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **SSGT-1_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88685**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4659.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	680
Bromomethane	ND	680
Vinyl Chloride	ND	680
Chloroethane	ND	680
Methylene Chloride	ND	410
Acetone	ND	680
Carbon Disulfide	ND	680
1,1-Dichloroethene	ND	270
1,1-Dichloroethane	ND	680
trans-1,2-Dichloroethene	ND	680
cis-1,2-Dichloroethene	ND	680
Chloroform	ND	680
1,2-Dichloroethane	ND	270
2-Butanone	ND	680
1,1,1-Trichloroethane	ND	680
Carbon Tetrachloride	ND	270
Bromodichloromethane	ND	140
1,2-Dichloropropane	ND	140
cis-1,3-Dichloropropene	ND	680
Trichloroethene	ND	140
Dibromochloromethane	ND	680
1,1,2-Trichloroethane	ND	410
Benzene	ND	140
trans-1,3-Dichloropropene	ND	680
Bromoform	ND	540
4-Methyl-2-Pentanone	ND	680
2-Hexanone	ND	680
Tetrachloroethene	ND	140
1,1,2,2-Tetrachloroethane	ND	140
Toluene	ND	680
Chlorobenzene	ND	680
Ethylbenzene	ND	540
Styrene	ND	680
Xylene (Total)	ND	680

Client ID: **SSGT-1_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88685**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4659.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.0 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.8

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
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TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **SSGT-3_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88686**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4660.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9

VOLATILE ORGANICS - GC/MS
METHOD 8260B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Chloromethane	ND	670
Bromomethane	ND	670
Vinyl Chloride	ND	670
Chloroethane	ND	670
Methylene Chloride	ND	400
Acetone	ND	670
Carbon Disulfide	ND	670
1,1-Dichloroethene	ND	270
1,1-Dichloroethane	ND	670
trans-1,2-Dichloroethene	ND	670
cis-1,2-Dichloroethene	ND	670
Chloroform	ND	670
1,2-Dichloroethane	ND	270
2-Butanone	ND	670
1,1,1-Trichloroethane	ND	670
Carbon Tetrachloride	ND	270
Bromodichloromethane	ND	130
1,2-Dichloropropane	ND	130
cis-1,3-Dichloropropene	ND	670
Trichloroethene	ND	130
Dibromochloromethane	ND	670
1,1,2-Trichloroethane	ND	400
Benzene	ND	130
trans-1,3-Dichloropropene	ND	670
Bromoform	ND	540
4-Methyl-2-Pentanone	ND	670
2-Hexanone	ND	670
Tetrachloroethene	ND	130
1,1,2,2-Tetrachloroethane	ND	130
Toluene	ND	670
Chlorobenzene	ND	670
Ethylbenzene	ND	540
Styrene	ND	670
Xylene (Total)	ND	670

Client ID: **SSGT-3_7-7.5**
Site: Klockner & Klockner

Lab Sample No: **88686**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/15/98
GC Column: DB624
Instrument ID: VOAMS5.i
Lab File ID: e4660.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10.2 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.9

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 8260B

COMPOUND NAME	RT	EST. CONC. ug/kg	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
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TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **SSAW-7_5-5.5**
Site: Klockner & Klockner

Lab Sample No: **88664**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9565.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13.9

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	283	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSAW-7_12-12.5**
Site: Klockner & Klockner

Lab Sample No: **88665**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9566.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 5.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	128
Chloromethane	ND	128
Vinyl Chloride	ND	128
Bromomethane	ND	128
Chloroethane	ND	128
Trichlorofluoromethane	ND	128
1,1-Dichloroethene	ND	128
Methylene Chloride	ND	128
trans-1,2-Dichloroethene	ND	128
1,1-Dichloroethane	ND	128
cis-1,2-Dichloroethene	ND	128
Chloroform	ND	128
1,1,1-Trichloroethane	ND	128
Carbon Tetrachloride	ND	128
1,2-Dichloroethane	ND	128
Trichloroethene	648	128
1,2-Dichloropropane	ND	128
Bromodichloromethane	ND	128
2-Chloroethyl Vinyl Ether	ND	128
cis-1,3-Dichloropropene	ND	128
trans-1,3-Dichloropropene	ND	128
1,1,2-Trichloroethane	ND	128
Tetrachloroethene	ND	128
Dibromochloromethane	ND	128
Chlorobenzene	ND	128
Bromoform	ND	128
1,1,2,2-Tetrachloroethane	ND	128
1,3-Dichlorobenzene	ND	128
1,4-Dichlorobenzene	ND	128
1,2-Dichlorobenzene	ND	128

Client ID: **SSAW-9_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **88667**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/21/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9602.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 17.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	1460
Chloromethane	ND	1460
Vinyl Chloride	ND	1460
Bromomethane	ND	1460
Chloroethane	ND	1460
Trichlorofluoromethane	ND	1460
1,1-Dichloroethene	ND	1460
Methylene Chloride	ND	1460
trans-1,2-Dichloroethene	ND	1460
1,1-Dichloroethane	ND	1460
cis-1,2-Dichloroethene	ND	1460
Chloroform	ND	1460
1,1,1-Trichloroethane	ND	1460
Carbon Tetrachloride	ND	1460
1,2-Dichloroethane	ND	1460
Trichloroethene	23300	1460
1,2-Dichloropropane	ND	1460
Bromodichloromethane	ND	1460
2-Chloroethyl Vinyl Ether	ND	1460
cis-1,3-Dichloropropene	ND	1460
trans-1,3-Dichloropropene	ND	1460
1,1,2-Trichloroethane	ND	1460
Tetrachloroethene	ND	1460
Dibromochloromethane	ND	1460
Chlorobenzene	ND	1460
Bromoform	ND	1460
1,1,2,2-Tetrachloroethane	ND	1460
1,3-Dichlorobenzene	ND	1460
1,4-Dichlorobenzene	ND	1460
1,2-Dichlorobenzene	ND	1460

Client ID: **SSAW-10_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **88668**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9568.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 500.0
% Moisture: 17.2

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	1510
Chloromethane	ND	1510
Vinyl Chloride	ND	1510
Bromomethane	ND	1510
Chloroethane	ND	1510
Trichlorofluoromethane	ND	1510
1,1-Dichloroethene	ND	1510
Methylene Chloride	ND	1510
trans-1,2-Dichloroethene	ND	1510
1,1-Dichloroethane	ND	1510
cis-1,2-Dichloroethene	ND	1510
Chloroform	ND	1510
1,1,1-Trichloroethane	ND	1510
Carbon Tetrachloride	ND	1510
1,2-Dichloroethane	ND	1510
Trichloroethene	21200	1510
1,2-Dichloropropane	ND	1510
Bromodichloromethane	ND	1510
2-Chloroethyl Vinyl Ether	ND	1510
cis-1,3-Dichloropropene	ND	1510
trans-1,3-Dichloropropene	ND	1510
1,1,2-Trichloroethane	ND	1510
Tetrachloroethene	ND	1510
Dibromochloromethane	ND	1510
Chlorobenzene	ND	1510
Bromoform	ND	1510
1,1,2,2-Tetrachloroethane	ND	1510
1,3-Dichlorobenzene	ND	1510
1,4-Dichlorobenzene	ND	1510
1,2-Dichlorobenzene	ND	1510

Client ID: **SSAW-9_11.5-12**
Site: Klockner & Klockner

Lab Sample No: **88669**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9569.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.8

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSAW-2_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **88671**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9570.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 21.6

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	3070
Chloromethane	ND	3070
Vinyl Chloride	ND	3070
Bromomethane	ND	3070
Chloroethane	ND	3070
Trichlorofluoromethane	ND	3070
1,1-Dichloroethene	ND	3070
Methylene Chloride	ND	3070
trans-1,2-Dichloroethene	ND	3070
1,1-Dichloroethane	ND	3070
cis-1,2-Dichloroethene	ND	3070
Chloroform	ND	3070
1,1,1-Trichloroethane	ND	3070
Carbon Tetrachloride	ND	3070
1,2-Dichloroethane	ND	3070
Trichloroethene	23100	3070
1,2-Dichloropropane	ND	3070
Bromodichloromethane	ND	3070
2-Chloroethyl Vinyl Ether	ND	3070
cis-1,3-Dichloropropene	ND	3070
trans-1,3-Dichloropropene	ND	3070
1,1,2-Trichloroethane	ND	3070
Tetrachloroethene	ND	3070
Dibromochloromethane	ND	3070
Chlorobenzene	ND	3070
Bromoform	ND	3070
1,1,2,2-Tetrachloroethane	ND	3070
1,3-Dichlorobenzene	ND	3070
1,4-Dichlorobenzene	ND	3070
1,2-Dichlorobenzene	ND	3070

Client ID: **SSAW-2_7.5-8**
Site: Klockner & Klockner

Lab Sample No: **88672**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9564.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.6

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	118
Chloromethane	ND	118
Vinyl Chloride	ND	118
Bromomethane	ND	118
Chloroethane	ND	118
Trichlorofluoromethane	ND	118
1,1-Dichloroethene	ND	118
Methylene Chloride	ND	118
trans-1,2-Dichloroethene	ND	118
1,1-Dichloroethane	ND	118
cis-1,2-Dichloroethene	ND	118
Chloroform	ND	118
1,1,1-Trichloroethane	ND	118
Carbon Tetrachloride	ND	118
1,2-Dichloroethane	ND	118
Trichloroethene	144	118
1,2-Dichloropropane	ND	118
Bromodichloromethane	ND	118
2-Chloroethyl Vinyl Ether	ND	118
cis-1,3-Dichloropropene	ND	118
trans-1,3-Dichloropropene	ND	118
1,1,2-Trichloroethane	ND	118
Tetrachloroethene	ND	118
Dibromochloromethane	ND	118
Chlorobenzene	ND	118
Bromoform	ND	118
1,1,2,2-Tetrachloroethane	ND	118
1,3-Dichlorobenzene	ND	118
1,4-Dichlorobenzene	ND	118
1,2-Dichlorobenzene	ND	118

Client ID: **SSSR-2_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88674**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9593.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 7.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	2620
Chloromethane	ND	2620
Vinyl Chloride	ND	2620
Bromomethane	ND	2620
Chloroethane	ND	2620
Trichlorofluoromethane	ND	2620
1,1-Dichloroethene	ND	2620
Methylene Chloride	ND	2620
trans-1,2-Dichloroethene	ND	2620
1,1-Dichloroethane	ND	2620
cis-1,2-Dichloroethene	ND	2620
Chloroform	ND	2620
1,1,1-Trichloroethane	ND	2620
Carbon Tetrachloride	ND	2620
1,2-Dichloroethane	ND	2620
Trichloroethene	43900	2620
1,2-Dichloropropane	ND	2620
Bromodichloromethane	ND	2620
2-Chloroethyl Vinyl Ether	ND	2620
cis-1,3-Dichloropropene	ND	2620
trans-1,3-Dichloropropene	ND	2620
1,1,2-Trichloroethane	ND	2620
Tetrachloroethene	ND	2620
Dibromochloromethane	ND	2620
Chlorobenzene	ND	2620
Bromoform	ND	2620
1,1,2,2-Tetrachloroethane	ND	2620
1,3-Dichlorobenzene	ND	2620
1,4-Dichlorobenzene	ND	2620
1,2-Dichlorobenzene	ND	2620

Client ID: **SSSR-3_0-0.5**
Site: Klockner & Klockner

Lab Sample No: **88675**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/19/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9572.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 7.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	2620
Chloromethane	ND	2620
Vinyl Chloride	ND	2620
Bromomethane	ND	2620
Chloroethane	ND	2620
Trichlorofluoromethane	ND	2620
1,1-Dichloroethene	ND	2620
Methylene Chloride	ND	2620
trans-1,2-Dichloroethene	ND	2620
1,1-Dichloroethane	ND	2620
cis-1,2-Dichloroethene	ND	2620
Chloroform	ND	2620
1,1,1-Trichloroethane	ND	2620
Carbon Tetrachloride	ND	2620
1,2-Dichloroethane	ND	2620
Trichloroethene	19700	2620
1,2-Dichloropropane	ND	2620
Bromodichloromethane	ND	2620
2-Chloroethyl Vinyl Ether	ND	2620
cis-1,3-Dichloropropene	ND	2620
trans-1,3-Dichloropropene	ND	2620
1,1,2-Trichloroethane	ND	2620
Tetrachloroethene	ND	2620
Dibromochloromethane	ND	2620
Chlorobenzene	ND	2620
Bromoform	ND	2620
1,1,2,2-Tetrachloroethane	ND	2620
1,3-Dichlorobenzene	ND	2620
1,4-Dichlorobenzene	ND	2620
1,2-Dichlorobenzene	ND	2620

Client ID: **SSAW-4_4-4.5**
Site: Klockner & Klockner

Lab Sample No: **88678**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9594.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 1000.0
% Moisture: 21.8

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	3070
Chloromethane	ND	3070
Vinyl Chloride	ND	3070
Bromomethane	ND	3070
Chloroethane	ND	3070
Trichlorofluoromethane	ND	3070
1,1-Dichloroethene	ND	3070
Methylene Chloride	ND	3070
trans-1,2-Dichloroethene	ND	3070
1,1-Dichloroethane	ND	3070
cis-1,2-Dichloroethene	ND	3070
Chloroform	ND	3070
1,1,1-Trichloroethane	ND	3070
Carbon Tetrachloride	ND	3070
1,2-Dichloroethane	ND	3070
Trichloroethene	23200	3070
1,2-Dichloropropane	ND	3070
Bromodichloromethane	ND	3070
2-Chloroethyl Vinyl Ether	ND	3070
cis-1,3-Dichloropropene	ND	3070
trans-1,3-Dichloropropene	ND	3070
1,1,2-Trichloroethane	ND	3070
Tetrachloroethene	ND	3070
Dibromochloromethane	ND	3070
Chlorobenzene	ND	3070
Bromoform	ND	3070
1,1,2,2-Tetrachloroethane	ND	3070
1,3-Dichlorobenzene	ND	3070
1,4-Dichlorobenzene	ND	3070
1,2-Dichlorobenzene	ND	3070

Client ID: **SSAW-4_9.5-10**
Site: Klockner & Klockner

Lab Sample No: **88679**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9595.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 4.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	260
Chloromethane	ND	260
Vinyl Chloride	ND	260
Bromomethane	ND	260
Chloroethane	ND	260
Trichlorofluoromethane	ND	260
1,1-Dichloroethene	ND	260
Methylene Chloride	ND	260
trans-1,2-Dichloroethene	ND	260
1,1-Dichloroethane	ND	260
cis-1,2-Dichloroethene	ND	260
Chloroform	ND	260
1,1,1-Trichloroethane	ND	260
Carbon Tetrachloride	ND	260
1,2-Dichloroethane	ND	260
Trichloroethene	ND	260
1,2-Dichloropropane	ND	260
Bromodichloromethane	ND	260
2-Chloroethyl Vinyl Ether	ND	260
cis-1,3-Dichloropropene	ND	260
trans-1,3-Dichloropropene	ND	260
1,1,2-Trichloroethane	ND	260
Tetrachloroethene	ND	260
Dibromochloromethane	ND	260
Chlorobenzene	ND	260
Bromoform	ND	260
1,1,2,2-Tetrachloroethane	ND	260
1,3-Dichlorobenzene	ND	260
1,4-Dichlorobenzene	ND	260
1,2-Dichlorobenzene	ND	260

Client ID: **SSSR-1_4-4.5**
Site: Klockner & Klockner

Lab Sample No: **88681**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9579.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	138
Chloromethane	ND	138
Vinyl Chloride	ND	138
Bromomethane	ND	138
Chloroethane	ND	138
Trichlorofluoromethane	ND	138
1,1-Dichloroethene	ND	138
Methylene Chloride	ND	138
trans-1,2-Dichloroethene	ND	138
1,1-Dichloroethane	ND	138
cis-1,2-Dichloroethene	ND	138
Chloroform	ND	138
1,1,1-Trichloroethane	ND	138
Carbon Tetrachloride	ND	138
1,2-Dichloroethane	ND	138
Trichloroethene	159	138
1,2-Dichloropropane	ND	138
Bromodichloromethane	ND	138
2-Chloroethyl Vinyl Ether	ND	138
cis-1,3-Dichloropropene	ND	138
trans-1,3-Dichloropropene	ND	138
1,1,2-Trichloroethane	ND	138
Tetrachloroethene	ND	138
Dibromochloromethane	ND	138
Chlorobenzene	ND	138
Bromoform	ND	138
1,1,2,2-Tetrachloroethane	ND	138
1,3-Dichlorobenzene	ND	138
1,4-Dichlorobenzene	ND	138
1,2-Dichlorobenzene	ND	138

Client ID: **SSSR-4_4-4.5**
Site: Klockner & Klockner

Lab Sample No: **88682**
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9586.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.1

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	138
Chloromethane	ND	138
Vinyl Chloride	ND	138
Bromomethane	ND	138
Chloroethane	ND	138
Trichlorofluoromethane	ND	138
1,1-Dichloroethene	ND	138
Methylene Chloride	ND	138
trans-1,2-Dichloroethene	ND	138
1,1-Dichloroethane	ND	138
cis-1,2-Dichloroethene	ND	138
Chloroform	ND	138
1,1,1-Trichloroethane	ND	138
Carbon Tetrachloride	ND	138
1,2-Dichloroethane	ND	138
Trichloroethene	712	138
1,2-Dichloropropane	ND	138
Bromodichloromethane	ND	138
2-Chloroethyl Vinyl Ether	ND	138
cis-1,3-Dichloropropene	ND	138
trans-1,3-Dichloropropene	ND	138
1,1,2-Trichloroethane	ND	138
Tetrachloroethene	ND	138
Dibromochloromethane	ND	138
Chlorobenzene	ND	138
Bromoform	ND	138
1,1,2,2-Tetrachloroethane	ND	138
1,3-Dichlorobenzene	ND	138
1,4-Dichlorobenzene	ND	138
1,2-Dichlorobenzene	ND	138

Client ID: **SSSP-1 4-4.5**
Site: **Klockner & Klockner**

Lab Sample No: 88666
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 10.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	8480	12.9		P
Antimony	ND	1.0	N	P
Arsenic	21.1	0.84		P
Barium	202	0.31		P
Beryllium	0.52	0.044		P
Cadmium	0.80	0.089	B	P
Calcium	11400	9.4		P
Chromium	14.6	0.22	*	P
Cobalt	4.9	0.27	B	P
Copper	50.4	0.78		P
Iron	14400	9.2		P
Lead	315	0.56		P
Magnesium	2200	9.0		P
Manganese	251	0.24	*	P
Mercury	1.9	0.037		CV
Nickel	10.1	0.47		P
Potassium	818	66.7	B	P
Selenium	ND	1.1		P
Silver	ND	0.31		P
Sodium	257	94.7	B	P
Thallium	ND	1.1		P
Vanadium	21.4	0.42		P
Zinc	294	1.0	*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSFS-2 0-0.5**
Site: **Klockner & Klockner**

Lab Sample No: 88677
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 4.5

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	5550	12.2		P
Antimony	ND	0.96	N	P
Arsenic	2.7	0.80		P
Barium	71.4	0.29		P
Beryllium	0.39	0.042	B	P
Cadmium	1.0	0.084	B	P
Calcium	4230	8.8		P
Chromium	40.3	0.21	*	P
Cobalt	15.6	0.25		P
Copper	63.6	0.73		P
Iron	25000	8.7		P
Lead	70.2	0.52		P
Magnesium	3420	8.4		P
Manganese	217	0.23	*	P
Mercury	0.05	0.017		CV
Nickel	27.1	0.44		P
Potassium	1660	62.9		P
Selenium	ND	1.0		P
Silver	ND	0.29		P
Sodium	ND	89.2		P
Thallium	ND	1.0		P
Vanadium	53.0	0.40		P
Zinc	334	0.94	*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSLP-1 12-12.5**
Site: **Klockner & Klockner**

Lab Sample No: 88683
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 4.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	3040	12.1		P
Antimony	ND	0.96	N	P
Arsenic	4.5	0.79		P
Barium	15.7	0.29	B	P
Beryllium	0.52	0.042		P
Cadmium	ND	0.083		P
Calcium	102000	44.0		P
Chromium	6.1	0.21	*	P
Cobalt	5.3	0.25	B	P
Copper	12.0	0.73		P
Iron	14200	8.7		P
Lead	6.6	0.52		P
Magnesium	58000	42.0		P
Manganese	276	0.23	*	P
Mercury	ND	0.017		CV
Nickel	9.7	0.44		P
Potassium	876	62.6	B	P
Selenium	ND	1.0		P
Silver	ND	0.29		P
Sodium	138	88.8	B	P
Thallium	ND	1.0		P
Vanadium	9.9	0.40	B	P
Zinc	38.2	0.94	*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSGT-2 7-7.5**
Site: **Klockner & Klockner**

Lab Sample No: 88684
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 6.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	2.6	0.54		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSGT-1 7-7.5**
Site: **Klockner & Klockner**

Lab Sample No: 88685
Lab Job No: H950

Date Sampled: 10/07/98
Date Received: 10/07/98

Matrix: SOLID
Level: LOW
% Moisture: 7.8

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	4.7	0.54		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Site: Klockner & Klockner

Lab Job No: H950

Date Sampled: 10/7/98
Date Received: 10/7/98
Matrix: SOIL

Date Analyzed: 10/14/98
QA Batch: 1402

TOTAL ORGANIC CARBON

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
88670	SSGC-2_1-3	17.4	4.0	14900
88673	SSGC-3_1-4	18.5	4.0	6660
88680	SSGC-4_4-7	3.7	2.0	390

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

Site: Klockner & Klockner

Lab Job No: H950

Date Sampled: 10/7/98
Date Received: 10/7/98
Matrix: SOIL

Date Extracted: 10/12/98
Date Analyzed: 10/12/98
QA Batch: 4638

TOTAL PETROLEUM HYDROCARBONS (418.1)

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
88666	SSSP-1_4-4.5	10.0	1.0	89.0
88677	SSFS-2_0-0.5	4.5	5.0	1490

Quantitation Limit for Total Petroleum Hydrocarbons (418.1) is 25.0 mg/kg for an undiluted sample.

CHAIN OF CUSTODY

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 Envirotech Research # 809003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/7/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

H950

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
—	TRIP BLANK		N/A	MEOH		ICE	1	88662
1405	FIELD BLANK	FB-2	N/A	H_2O	TCL VOC	ICE/HCl	2	88663
1045	ALLEYWAY	SSAW-7	5-5.5	SOIL	PHAL 8021	ICE/MEOH	2	88664
1046	ALLEYWAY	SSAW-7	12-12.5	SOIL	PHAL 8021	ICE/MEOH	2	88665
1105	SUMP	SSSP-1	4-4.5	SOIL	TCL VOC, PHC, TAL METALS, *BNTIS	ICE/MEOH	3	88666
1152	ALLEY WAY	SSAW-9	1-1.5	SOIL	PHAL (8021)	ICE/MEOH	2	88667
1155	ALLEY WAY	SSAW-10	1-1.5	SOIL	PHAL (8021)	ICE/MEOH	2	88668
1210	ALLEY WAY	SSAW-9	11.5-12'	SOIL	PHAL (8021)	ICE/MEOH	2	88669
1200	GEOLOGICAL CHARACTERISTIC	SSGC-2	1-3'	SOIL	TOC, GRAIN SIZE	ICE	2	88670
1235	ALLEYWAY	SSAW-2	1.5-2'	SOIL	PHAL (8021)	ICE/MEOH	2	88671
1243	ALLEY WAY	SSAW-2	7.5-8'	SOIL	PHAL (8021)	ICE/MEOH	2	88672
1245	GEOLOGICAL CHARACTERISTICS	SSGC-3	1-4'	SOIL	TOC, GRAIN SIZE	ICE	2	88673

RELINQUISHED BY: Cheryl Coffee DATE: 10/7/98 TIME: 1745 RECEIVED BY: [signature] DATE: 10/7/98 TIME 1745

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301377

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 Envirotech # 807003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/7/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

H950

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1303	SCALE ROOM	SSSR-2	0-.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88674
1320	SCALE ROOM	SSSR-3	0-.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88675
1351	DRUM STORAGE AREA	SSDSA-2	0-.5'	SOIL	CN	ICE	1	88676
1354	DRUM STORAGE SHED	SSFS-2	0-.5	SOIL	PHC, TAL METALS, BN TIS	ICE	1	BN CONTINGENT 88677
1438	ALLEY WAY	SSAW-4	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88678
1445	ALLEY WAY	SSAW-4	9.5-10'	SOIL	PHAL (8021)	ICE/MEOH	2	88679
1450	GEOLOGICAL CHARACTERISTICS	SSGC-4	4-7'	SOIL	TOC, GRAIN SIZE	ICE	2	88680
1515	SCALE ROOM	SSSR-1	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88681
1520	SCALE ROOM	SSSR-4	4-4.5'	SOIL	PHAL (8021)	ICE/MEOH	2	88682
1530	LEACH PIT	SSLP-1	12-12.5	SOIL	TAL METALS	ICE	1	88683
1615	GAS TANK	SSGT-2	7-7.5	SOIL	TCL VOC	ICE/MEOH	2	88684
1625	GAS TANK	SSGT-4	7-7.5	SOIL	TCL VOC, Pb	ICE/MEOH	3	88685

RELINQUISHED BY: Cheryl L. Coffee DATE: 10/7/98 TIME: 1745 RECEIVED BY: [signature] DATE: 1745 TIME 10/7/98

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
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PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301378

PROJECT NAME: Altschuler & Altschuler

PROJECT NO: 93-03-03 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Nicklin Avenue & Elm Street, Hawthorne Borough, NJ

SAMPLE DATE: 10/7/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

H950

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1630	GAS TANK	SSGT-3	7-7.5	SOIL	TCL VOC	ICE/MEOH	2	886 86

RELINQUISHED BY: Cheryl Coffee DATE: 10/7/98 TIME: 1745 RECEIVED BY: [illegible] DATE: 1745 TIME 10/7/98

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

TOTAL NO. CONTAINERS_____

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS

VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH

PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH

BN: BASE NEUTRALS WITH LIBRARY SEARCH

AE: ACID EXTRACTABLES WITH LIBRARY SEARCH

PPM: PRIORITY POLLUTANT METALS

PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE

FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301379

ATTACHMENT 9

ANALYTICAL DATA SHEETS

10/8/98 – JOB #I051

301381

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

November 5, 1998

RECEIVED 1998 The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. I051 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 09, 1998:

Lab No.	Client ID	Analysis Required
89298	UST-1	Purgeable Halocarbons

If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301382

Client ID: **UST-1**
Site: Klockner & Klockner

Lab Sample No: **89298**
Lab Job No: I051

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/22/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9631.d

Matrix: SOIL
Level: HIGH
Sample Weight: 1 g
Methanol Ext. Volume: 10.0 ml
Ext. Dilution Factor: 2500.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	23600
Chloromethane	ND	23600
Vinyl Chloride	ND	23600
Bromomethane	ND	23600
Chloroethane	ND	23600
Trichlorofluoromethane	ND	23600
1,1-Dichloroethene	ND	23600
Methylene Chloride	ND	23600
trans-1,2-Dichloroethene	ND	23600
1,1-Dichloroethane	ND	23600
cis-1,2-Dichloroethene	ND	23600
Chloroform	ND	23600
1,1,1-Trichloroethane	ND	23600
Carbon Tetrachloride	ND	23600
1,2-Dichloroethane	ND	23600
Trichloroethene	ND	23600
1,2-Dichloropropane	ND	23600
Bromodichloromethane	ND	23600
2-Chloroethyl Vinyl Ether	ND	23600
cis-1,3-Dichloropropene	ND	23600
trans-1,3-Dichloropropene	ND	23600
1,1,2-Trichloroethane	ND	23600
Tetrachloroethene	ND	23600
Dibromochloromethane	ND	23600
Chlorobenzene	ND	23600
Bromoform	ND	23600
1,1,2,2-Tetrachloroethane	ND	23600
1,3-Dichlorobenzene	ND	23600
1,4-Dichlorobenzene	ND	23600
1,2-Dichlorobenzene	ND	23600

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/8/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

I051

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1320	UST (BLDG 13)	UST-1	N/A	PETRO	PHAL	ICE/HCL	3	89298

RELINQUISHED BY: Cheryl L. Coffee DATE: 10/9/98 TIME: 1600 RECEIVED BY: [illegible] DATE: 10-9-98 TIME 1600

RELINQUISHED BY: [illegible] DATE: 10-9-98 TIME: 1810 RECEIVED BY: [illegible] DATE: 10/9/98 TIME 1810

TOTAL NO. CONTAINERS 1

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC PETROLEUM HYDROCARBONS

VOC VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH

PAH POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH

BN BASE NEUTRALS WITH LIBRARY SEARCH

AE ACID EXTRACTABLES WITH LIBRARY SEARCH

PPM PRIORITY POLLUTANT METALS

PP+40 PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE

FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301384

10

301385

ATTACHMENT 10

ANALYTICAL DATA SHEETS

10/8/98 – JOB #I052

301386

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

November 2, 1998

RECEIVED
NOV 17 1998
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. I052 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 09, 1998:

Lab No.	Client ID	Analysis Required
89299	TB-3	Purgeable Halocarbons
89300	SSOSS-1_1-1.5	Purgeable Halocarbons
89301	SSCP-1_3.5_4	Purgeable Halocarbons
89302	SSGC-1A_1.5-4	TOC
89303	SSCP-1_11-11.5	Purgeable Halocarbons
89304	SSFD-1_1.5-2	Purgeable Halocarbons
89305	SSCP-4_1-1.5	Purgeable Halocarbons

If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301387

Client ID: **TB-3**
Site: Klockner & Klockner

Lab Sample No: **89299**
Lab Job No: I052

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9587.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	125
Chloromethane	ND	125
Vinyl Chloride	ND	125
Bromomethane	ND	125
Chloroethane	ND	125
Trichlorofluoromethane	ND	125
1,1-Dichloroethene	ND	125
Methylene Chloride	ND	125
trans-1,2-Dichloroethene	ND	125
1,1-Dichloroethane	ND	125
cis-1,2-Dichloroethene	ND	125
Chloroform	ND	125
1,1,1-Trichloroethane	ND	125
Carbon Tetrachloride	ND	125
1,2-Dichloroethane	ND	125
Trichloroethene	ND	125
1,2-Dichloropropane	ND	125
Bromodichloromethane	ND	125
2-Chloroethyl Vinyl Ether	ND	125
cis-1,3-Dichloropropene	ND	125
trans-1,3-Dichloropropene	ND	125
1,1,2-Trichloroethane	ND	125
Tetrachloroethene	ND	125
Dibromochloromethane	ND	125
Chlorobenzene	ND	125
Bromoform	ND	125
1,1,2,2-Tetrachloroethane	ND	125
1,3-Dichlorobenzene	ND	125
1,4-Dichlorobenzene	ND	125
1,2-Dichlorobenzene	ND	125

Client ID: **SSOSS-1_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **89300**
Lab Job No: I052

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/21/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9609.d

Matrix: SOIL
Level: HIGH
Sample Weight: 9 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 8.7

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	294
Chloromethane	ND	294
Vinyl Chloride	ND	294
Bromomethane	ND	294
Chloroethane	ND	294
Trichlorofluoromethane	ND	294
1,1-Dichloroethene	ND	294
Methylene Chloride	ND	294
trans-1,2-Dichloroethene	ND	294
1,1-Dichloroethane	ND	294
cis-1,2-Dichloroethene	ND	294
Chloroform	ND	294
1,1,1-Trichloroethane	7250	294
Carbon Tetrachloride	ND	294
1,2-Dichloroethane	ND	294
Trichloroethene	ND	294
1,2-Dichloropropane	ND	294
Bromodichloromethane	ND	294
2-Chloroethyl Vinyl Ether	ND	294
cis-1,3-Dichloropropene	ND	294
trans-1,3-Dichloropropene	ND	294
1,1,2-Trichloroethane	ND	294
Tetrachloroethene	ND	294
Dibromochloromethane	ND	294
Chlorobenzene	ND	294
Bromoform	ND	294
1,1,2,2-Tetrachloroethane	ND	294
1,3-Dichlorobenzene	ND	294
1,4-Dichlorobenzene	ND	294
1,2-Dichlorobenzene	ND	294

Client ID: **SSCP-1_3.5_4**
Site: Klockner & Klockner

Lab Sample No: **89301**
Lab Job No: I052

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9508.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.3

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	133
Chloromethane	ND	133
Vinyl Chloride	ND	133
Bromomethane	ND	133
Chloroethane	ND	133
Trichlorofluoromethane	ND	133
1,1-Dichloroethene	ND	133
Methylene Chloride	ND	133
trans-1,2-Dichloroethene	ND	133
1,1-Dichloroethane	ND	133
cis-1,2-Dichloroethene	ND	133
Chloroform	ND	133
1,1,1-Trichloroethane	ND	133
Carbon Tetrachloride	ND	133
1,2-Dichloroethane	ND	133
Trichloroethene	ND	133
1,2-Dichloropropane	ND	133
Bromodichloromethane	ND	133
2-Chloroethyl Vinyl Ether	ND	133
cis-1,3-Dichloropropene	ND	133
trans-1,3-Dichloropropene	ND	133
1,1,2-Trichloroethane	ND	133
Tetrachloroethene	ND	133
Dibromochloromethane	ND	133
Chlorobenzene	ND	133
Bromoform	ND	133
1,1,2,2-Tetrachloroethane	ND	133
1,3-Dichlorobenzene	ND	133
1,4-Dichlorobenzene	ND	133
1,2-Dichlorobenzene	ND	133

Client ID: **SSCP-1_11-11.5**
Site: Klockner & Klockner

Lab Sample No: **89303**
Lab Job No: I052

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/16/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9509.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.1

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	142
Chloromethane	ND	142
Vinyl Chloride	ND	142
Bromomethane	ND	142
Chloroethane	ND	142
Trichlorofluoromethane	ND	142
1,1-Dichloroethene	ND	142
Methylene Chloride	ND	142
trans-1,2-Dichloroethene	ND	142
1,1-Dichloroethane	ND	142
cis-1,2-Dichloroethene	ND	142
Chloroform	ND	142
1,1,1-Trichloroethane	ND	142
Carbon Tetrachloride	ND	142
1,2-Dichloroethane	ND	142
Trichloroethene	ND	142
1,2-Dichloropropane	ND	142
Bromodichloromethane	ND	142
2-Chloroethyl Vinyl Ether	ND	142
cis-1,3-Dichloropropene	ND	142
trans-1,3-Dichloropropene	ND	142
1,1,2-Trichloroethane	ND	142
Tetrachloroethene	ND	142
Dibromochloromethane	ND	142
Chlorobenzene	ND	142
Bromoform	ND	142
1,1,2,2-Tetrachloroethane	ND	142
1,3-Dichlorobenzene	ND	142
1,4-Dichlorobenzene	ND	142
1,2-Dichlorobenzene	ND	142

Client ID: **SSFD-1_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **89304**
Lab Job No: I052

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9589.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.2

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	137
Chloromethane	ND	137
Vinyl Chloride	ND	137
Bromomethane	ND	137
Chloroethane	ND	137
Trichlorofluoromethane	ND	137
1,1-Dichloroethene	ND	137
Methylene Chloride	ND	137
trans-1,2-Dichloroethene	ND	137
1,1-Dichloroethane	ND	137
cis-1,2-Dichloroethene	ND	137
Chloroform	ND	137
1,1,1-Trichloroethane	ND	137
Carbon Tetrachloride	ND	137
1,2-Dichloroethane	ND	137
Trichloroethene	ND	137
1,2-Dichloropropane	ND	137
Bromodichloromethane	ND	137
2-Chloroethyl Vinyl Ether	ND	137
cis-1,3-Dichloropropene	ND	137
trans-1,3-Dichloropropene	ND	137
1,1,2-Trichloroethane	ND	137
Tetrachloroethene	ND	137
Dibromochloromethane	ND	137
Chlorobenzene	ND	137
Bromoform	ND	137
1,1,2,2-Tetrachloroethane	ND	137
1,3-Dichlorobenzene	ND	137
1,4-Dichlorobenzene	ND	137
1,2-Dichlorobenzene	ND	137

Client ID: **SSCP-4_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **89305**
Lab Job No: I052

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/20/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9590.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.7

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Site: Klockner & Klockner

Lab Job No: I052

Date Sampled: 10/8/98
Date Received: 10/9/98
Matrix: SOIL

Date Analyzed: 10/14/98
QA Batch: 1402

TOTAL ORGANIC CARBON

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
89302	SSGC-1A_1.5-4	13.7	4.0	16200

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02 Envirotech # 809003

LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/8/98

SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

I052

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
—	TRIP BLANK	TB-3	N/A	MEOH	PHAL (8021)	ICE	1	89299
1210	OIL STORAGE SHED	SSOSS-1	1-1.5	SOIL	PHAL (8021)	ICE/MEOH	2	89300
1215	CONCRETE PAD	SSCP-1	3.5-4'	SOIL	PHAL (8021)	ICE/MEOH	2	1 WEEK TAT 89301
0950	(Concrete Pad SSCP-4) GEOLOGICAL CHARACTERISTICS	SSGC-1A	1.5-4'	SOIL	TOC, GRAIN SIZE	ICE	2	89302
1218	CONCRETE PAD	SSCP-1	11-11.5'	SOIL	PHAL (8021)	ICE/MEOH	2	1 WEEK TAT 89303
1500	FLOOR DRAIN	SSFD-1	1.5-2'	SOIL	PHAL (8021)	ICE/MEOH	2	89304
12:23	Concrete Pad	SSCP-4	1-1.5'	Soil	* PHAL Contingent	Ice/MEOH	2	89305
12:13	Concrete Pad	SSCP-2	1.5-2'	Soil	* PHAL Contingent	Ice/MEOH	2	89306
13:20	Concrete Pad	SSCP-3	1.5-2'	Soil	* PHAL Contingent	Ice/MEOH	2	89307
	~~TB-3~~ gp			~~MEOH~~		~~MEOH~~	~~1~~	
				gp		gp	gp	

RELINQUISHED BY: [signature] DATE: 10/9/98 TIME: 1600 RECEIVED BY: [signature] DATE: 10-9-98 TIME 1600

RELINQUISHED BY: [signature] DATE: 10-9-98 TIME: 1810 RECEIVED BY: [signature] DATE: 10/9/98 TIME 1810

TOTAL NO. CONTAINERS 17

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC PETROLEUM HYDROCARBONS
VOC VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN BASE NEUTRALS WITH LIBRARY SEARCH
AE ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM PRIORITY POLLUTANT METALS
PP+40 PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301395

ATTACHMENT 11

ANALYTICAL DATA SHEETS

10/8/98 – JOB #I053

301397

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

November 5, 1998

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. I053 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 09, 1998:

Lab No.	Client ID	Analysis Required
89308	SSAW-5_1.5-2	Purgeable Halocarbons
89309	SSAW-5_11-11.5	Purgeable Halocarbons
89310	SSDP-1_2.5-3	Purgeable Halocarbons, TAL Metals

If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

RECEIVED
NOV 1 1998
The Whitman Companies, Inc.

301398

Client ID: **SSAW-5_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **89308**
Lab Job No: I053

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/22/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9628.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 18.8

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	302
Chloromethane	ND	302
Vinyl Chloride	ND	302
Bromomethane	ND	302
Chloroethane	ND	302
Trichlorofluoromethane	ND	302
1,1-Dichloroethene	ND	302
Methylene Chloride	ND	302
trans-1,2-Dichloroethene	ND	302
1,1-Dichloroethane	ND	302
cis-1,2-Dichloroethene	406	302
Chloroform	ND	302
1,1,1-Trichloroethane	ND	302
Carbon Tetrachloride	ND	302
1,2-Dichloroethane	ND	302
Trichloroethene	10600	302
1,2-Dichloropropane	ND	302
Bromodichloromethane	ND	302
2-Chloroethyl Vinyl Ether	ND	302
cis-1,3-Dichloropropene	ND	302
trans-1,3-Dichloropropene	ND	302
1,1,2-Trichloroethane	ND	302
Tetrachloroethene	5850	302
Dibromochloromethane	ND	302
Chlorobenzene	ND	302
Bromoform	ND	302
1,1,2,2-Tetrachloroethane	ND	302
1,3-Dichlorobenzene	ND	302
1,4-Dichlorobenzene	ND	302
1,2-Dichlorobenzene	ND	302

Client ID: **SSAW-5_11-11.5**
Site: Klockner & Klockner

Lab Sample No: **89309**
Lab Job No: I053

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/21/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9611.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 5.8

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	123
Chloromethane	ND	123
Vinyl Chloride	ND	123
Bromomethane	ND	123
Chloroethane	ND	123
Trichlorofluoromethane	ND	123
1,1-Dichloroethene	ND	123
Methylene Chloride	ND	123
trans-1,2-Dichloroethene	ND	123
1,1-Dichloroethane	ND	123
cis-1,2-Dichloroethene	ND	123
Chloroform	ND	123
1,1,1-Trichloroethane	ND	123
Carbon Tetrachloride	ND	123
1,2-Dichloroethane	ND	123
Trichloroethene	ND	123
1,2-Dichloropropane	ND	123
Bromodichloromethane	ND	123
2-Chloroethyl Vinyl Ether	ND	123
cis-1,3-Dichloropropene	ND	123
trans-1,3-Dichloropropene	ND	123
1,1,2-Trichloroethane	ND	123
Tetrachloroethene	ND	123
Dibromochloromethane	ND	123
Chlorobenzene	ND	123
Bromoform	ND	123
1,1,2,2-Tetrachloroethane	ND	123
1,3-Dichlorobenzene	ND	123
1,4-Dichlorobenzene	ND	123
1,2-Dichlorobenzene	ND	123

Client ID: **SSDP-1_2.5-3**
Site: Klockner & Klockner

Lab Sample No: **89310**
Lab Job No: I053

Date Sampled: 10/08/98
Date Received: 10/09/98
Date Analyzed: 10/21/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9612.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.2

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	139
Chloromethane	ND	139
Vinyl Chloride	ND	139
Bromomethane	ND	139
Chloroethane	ND	139
Trichlorofluoromethane	ND	139
1,1-Dichloroethene	ND	139
Methylene Chloride	ND	139
trans-1,2-Dichloroethene	ND	139
1,1-Dichloroethane	ND	139
cis-1,2-Dichloroethene	ND	139
Chloroform	ND	139
1,1,1-Trichloroethane	ND	139
Carbon Tetrachloride	ND	139
1,2-Dichloroethane	ND	139
Trichloroethene	656	139
1,2-Dichloropropane	ND	139
Bromodichloromethane	ND	139
2-Chloroethyl Vinyl Ether	ND	139
cis-1,3-Dichloropropene	ND	139
trans-1,3-Dichloropropene	ND	139
1,1,2-Trichloroethane	ND	139
Tetrachloroethene	1100	139
Dibromochloromethane	ND	139
Chlorobenzene	ND	139
Bromoform	ND	139
1,1,2,2-Tetrachloroethane	ND	139
1,3-Dichlorobenzene	ND	139
1,4-Dichlorobenzene	ND	139
1,2-Dichlorobenzene	ND	139

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-03 Envirotech # 809003
LABORATORY: Envirotech Research, Inc.

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ
SAMPLE DATE: 10/8/98
SAMPLER(S): Cheryl L. Coffee / L. WESTCOTT

PAGE 1 OF 1

I053

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
1228	ALLEYWAY	SSAW-5	1.5-2	SOIL	PHAL	ICE/MEOH	2	89308
1232	ALLEYWAY	SSAW-5	11-11.5	SOIL	PHAL	ICE/MEOH	2	89309
1220	DEGREASER PIT	SSDP-1	2.5-3	SOIL	PHAL, TAL Metals	ICE/MEOH	2&3	89310

RELINQUISHED BY: [signature] DATE: 10/9/98 TIME: 1600 RECEIVED BY: [signature] DATE: 10/9/98 TIME 1600

RELINQUISHED BY: [signature] DATE: 10-9-98 TIME: 1810 RECEIVED BY: [signature] DATE: 10/9/98 TIME 1810

TOTAL NO. CONTAINERS 6

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC PETROLEUM HYDROCARBONS
VOC VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN BASE NEUTRALS WITH LIBRARY SEARCH
AE ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM PRIORITY POLLUTANT METALS
PP+40 PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE

TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301402

Client ID: **SSDP-1 2.5-3**
Site: **Klockner & Klockner**

Lab Sample No: 89310
Lab Job No: I053

Date Sampled: 10/08/98
Date Received: 10/09/98

Matrix: SOLID
Level: LOW
% Moisture: 10.2

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Aluminum	9080	13.0		P
Antimony	ND	1.0	N	P
Arsenic	10.1	0.85		P
Barium	54.5	0.31		P
Beryllium	0.52	0.045		P
Cadmium	0.36	0.089	B	P
Calcium	5370	9.4		P
Chromium	12.0	0.22	*	P
Cobalt	7.8	0.27	B	P
Copper	28.1	0.78		P
Iron	29600	9.2		P
Lead	173	0.56		P
Magnesium	2480	9.0		P
Manganese	446	0.24	*	P
Mercury	0.14	0.019		CV
Nickel	15.0	0.47		P
Potassium	912	66.9	B	P
Selenium	ND	1.1		P
Silver	ND	0.31		P
Sodium	ND	94.9		P
Thallium	ND	1.1		P
Vanadium	25.5	0.42		P
Zinc	97.6	1.0	*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

12

301404

ATTACHMENT 12

ANALYTICAL DATA SHEETS

10/16/98 – JOB #I279

301405

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

November 06, 1998

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

RECEIVED
NOV 17 1998
The Whitman Companies, Inc.

Attention: Mr. Michael Metlitz

Re: Job No. I279 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 16, 1998:

Lab No.	Client ID	Analysis Required
90821	SSFA-1_1.5-2	Purgeable Halocarbons
90822	SSFA-6A_1.5-2	Purgeable Halocarbons
90823	SSFA-1_10.5-11	Purgeable Halocarbons
90824	SSFA-2_0.5-1	Purgeable Halocarbons
90825	SSFA-3_0.5-1	Purgeable Halocarbons
90826	SSFA-4_0.5-1	Purgeable Halocarbons
90827	SSFA-5_3-3.5	Purgeable Halocarbons
90828	SSPP-1_6.5-7	Purgeable Halocarbons
90829	SSFD-2_3-4	Purgeable Halocarbons
90830	SSDW-1_1.5-2	Purgeable Halocarbons
90831	SSSD-1_5-5.5	Purgeable Halocarbons
90832	SSDA-1_1.5-2	Purgeable Halocarbons
90833	Trip_Blank-4	Purgeable Halocarbons
90834	Field_Blank-3	Purgeable Halocarbons
90835	SSGC-4_2-4	TOC

301406

ENVIROTECH RESEARCH, INC.

Lab No.	Client ID	Analysis Required
90836	SSGC-3_4.5-5	TOC
90837	SSGC-2_3-4	TOC

If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301407

Client ID: **SSFA-1_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **90821**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/22/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9629.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.9

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	128
Chloromethane	ND	128
Vinyl Chloride	ND	128
Bromomethane	ND	128
Chloroethane	ND	128
Trichlorofluoromethane	ND	128
1,1-Dichloroethene	ND	128
Methylene Chloride	ND	128
trans-1,2-Dichloroethene	ND	128
1,1-Dichloroethane	ND	128
cis-1,2-Dichloroethene	ND	128
Chloroform	ND	128
1,1,1-Trichloroethane	ND	128
Carbon Tetrachloride	ND	128
1,2-Dichloroethane	ND	128
Trichloroethene	ND	128
1,2-Dichloropropane	ND	128
Bromodichloromethane	ND	128
2-Chloroethyl Vinyl Ether	ND	128
cis-1,3-Dichloropropene	ND	128
trans-1,3-Dichloropropene	ND	128
1,1,2-Trichloroethane	ND	128
Tetrachloroethene	1510	128
Dibromochloromethane	ND	128
Chlorobenzene	ND	128
Bromoform	ND	128
1,1,2,2-Tetrachloroethane	ND	128
1,3-Dichlorobenzene	ND	128
1,4-Dichlorobenzene	ND	128
1,2-Dichlorobenzene	ND	128

Client ID: **SSFA-6A_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **90822**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/22/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9634.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.6

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	134
Chloromethane	ND	134
Vinyl Chloride	ND	134
Bromomethane	ND	134
Chloroethane	ND	134
Trichlorofluoromethane	ND	134
1,1-Dichloroethene	ND	134
Methylene Chloride	ND	134
trans-1,2-Dichloroethene	ND	134
1,1-Dichloroethane	ND	134
cis-1,2-Dichloroethene	ND	134
Chloroform	ND	134
1,1,1-Trichloroethane	ND	134
Carbon Tetrachloride	ND	134
1,2-Dichloroethane	ND	134
Trichloroethene	ND	134
1,2-Dichloropropane	ND	134
Bromodichloromethane	ND	134
2-Chloroethyl Vinyl Ether	ND	134
cis-1,3-Dichloropropene	ND	134
trans-1,3-Dichloropropene	ND	134
1,1,2-Trichloroethane	ND	134
Tetrachloroethene	3720	134
Dibromochloromethane	ND	134
Chlorobenzene	ND	134
Bromoform	ND	134
1,1,2,2-Tetrachloroethane	ND	134
1,3-Dichlorobenzene	ND	134
1,4-Dichlorobenzene	ND	134
1,2-Dichlorobenzene	ND	134

Client ID: **SSFA-1_10.5-11**
Site: Klockner & Klockner

Lab Sample No: **90823**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/22/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9635.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 5.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	123
Chloromethane	ND	123
Vinyl Chloride	ND	123
Bromomethane	ND	123
Chloroethane	ND	123
Trichlorofluoromethane	ND	123
1,1-Dichloroethene	ND	123
Methylene Chloride	ND	123
trans-1,2-Dichloroethene	ND	123
1,1-Dichloroethane	ND	123
cis-1,2-Dichloroethene	ND	123
Chloroform	ND	123
1,1,1-Trichloroethane	ND	123
Carbon Tetrachloride	ND	123
1,2-Dichloroethane	ND	123
Trichloroethene	ND	123
1,2-Dichloropropane	ND	123
Bromodichloromethane	ND	123
2-Chloroethyl Vinyl Ether	ND	123
cis-1,3-Dichloropropene	ND	123
trans-1,3-Dichloropropene	ND	123
1,1,2-Trichloroethane	ND	123
Tetrachloroethene	ND	123
Dibromochloromethane	ND	123
Chlorobenzene	ND	123
Bromoform	ND	123
1,1,2,2-Tetrachloroethane	ND	123
1,3-Dichlorobenzene	ND	123
1,4-Dichlorobenzene	ND	123
1,2-Dichlorobenzene	ND	123

Client ID: **SSFA-2_0.5-1**
Site: Klockner & Klockner

Lab Sample No: **90824**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/22/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9636.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.3

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	124
Chloromethane	ND	124
Vinyl Chloride	ND	124
Bromomethane	ND	124
Chloroethane	ND	124
Trichlorofluoromethane	ND	124
1,1-Dichloroethene	ND	124
Methylene Chloride	ND	124
trans-1,2-Dichloroethene	ND	124
1,1-Dichloroethane	ND	124
cis-1,2-Dichloroethene	ND	124
Chloroform	ND	124
1,1,1-Trichloroethane	ND	124
Carbon Tetrachloride	ND	124
1,2-Dichloroethane	ND	124
Trichloroethene	ND	124
1,2-Dichloropropane	ND	124
Bromodichloromethane	ND	124
2-Chloroethyl Vinyl Ether	ND	124
cis-1,3-Dichloropropene	ND	124
trans-1,3-Dichloropropene	ND	124
1,1,2-Trichloroethane	ND	124
Tetrachloroethene	161	124
Dibromochloromethane	ND	124
Chlorobenzene	ND	124
Bromoform	ND	124
1,1,2,2-Tetrachloroethane	ND	124
1,3-Dichlorobenzene	ND	124
1,4-Dichlorobenzene	ND	124
1,2-Dichlorobenzene	ND	124

Client ID: **SSFA-3_0.5-1**
Site: Klockner & Klockner

Lab Sample No: **90825**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9646.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.1

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	137
Chloromethane	ND	137
Vinyl Chloride	ND	137
Bromomethane	ND	137
Chloroethane	ND	137
Trichlorofluoromethane	ND	137
1,1-Dichloroethene	ND	137
Methylene Chloride	ND	137
trans-1,2-Dichloroethene	ND	137
1,1-Dichloroethane	ND	137
cis-1,2-Dichloroethene	ND	137
Chloroform	ND	137
1,1,1-Trichloroethane	ND	137
Carbon Tetrachloride	ND	137
1,2-Dichloroethane	ND	137
Trichloroethene	ND	137
1,2-Dichloropropane	ND	137
Bromodichloromethane	ND	137
2-Chloroethyl Vinyl Ether	ND	137
cis-1,3-Dichloropropene	ND	137
trans-1,3-Dichloropropene	ND	137
1,1,2-Trichloroethane	ND	137
Tetrachloroethene	1100	137
Dibromochloromethane	ND	137
Chlorobenzene	ND	137
Bromoform	ND	137
1,1,2,2-Tetrachloroethane	ND	137
1,3-Dichlorobenzene	ND	137
1,4-Dichlorobenzene	ND	137
1,2-Dichlorobenzene	ND	137

Client ID: **SSFA-4_0.5-1**
Site: Klockner & Klockner

Lab Sample No: **90826**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9647.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.2

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	129
Chloromethane	ND	129
Vinyl Chloride	ND	129
Bromomethane	ND	129
Chloroethane	ND	129
Trichlorofluoromethane	ND	129
1,1-Dichloroethene	ND	129
Methylene Chloride	ND	129
trans-1,2-Dichloroethene	ND	129
1,1-Dichloroethane	ND	129
cis-1,2-Dichloroethene	ND	129
Chloroform	ND	129
1,1,1-Trichloroethane	ND	129
Carbon Tetrachloride	ND	129
1,2-Dichloroethane	ND	129
Trichloroethene	ND	129
1,2-Dichloropropane	ND	129
Bromodichloromethane	ND	129
2-Chloroethyl Vinyl Ether	ND	129
cis-1,3-Dichloropropene	ND	129
trans-1,3-Dichloropropene	ND	129
1,1,2-Trichloroethane	ND	129
Tetrachloroethene	4280	129
Dibromochloromethane	ND	129
Chlorobenzene	ND	129
Bromoform	ND	129
1,1,2,2-Tetrachloroethane	ND	129
1,3-Dichlorobenzene	ND	129
1,4-Dichlorobenzene	ND	129
1,2-Dichlorobenzene	ND	129

Client ID: **SSFA-5_3-3.5**
Site: Klockner & Klockner

Lab Sample No: **90827**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9648.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 13.9

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	127
Chloromethane	ND	127
Vinyl Chloride	ND	127
Bromomethane	ND	127
Chloroethane	ND	127
Trichlorofluoromethane	ND	127
1,1-Dichloroethene	ND	127
Methylene Chloride	ND	127
trans-1,2-Dichloroethene	ND	127
1,1-Dichloroethane	ND	127
cis-1,2-Dichloroethene	ND	127
Chloroform	ND	127
1,1,1-Trichloroethane	ND	127
Carbon Tetrachloride	ND	127
1,2-Dichloroethane	ND	127
Trichloroethene	ND	127
1,2-Dichloropropane	ND	127
Bromodichloromethane	ND	127
2-Chloroethyl Vinyl Ether	ND	127
cis-1,3-Dichloropropene	ND	127
trans-1,3-Dichloropropene	ND	127
1,1,2-Trichloroethane	ND	127
Tetrachloroethene	ND	127
Dibromochloromethane	ND	127
Chlorobenzene	ND	127
Bromoform	ND	127
1,1,2,2-Tetrachloroethane	ND	127
1,3-Dichlorobenzene	ND	127
1,4-Dichlorobenzene	ND	127
1,2-Dichlorobenzene	ND	127

Client ID: **SSPP-1_6.5-7**
Site: Klockner & Klockner

Lab Sample No: **90828**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9649.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.2

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	123
Chloromethane	ND	123
Vinyl Chloride	ND	123
Bromomethane	ND	123
Chloroethane	ND	123
Trichlorofluoromethane	ND	123
1,1-Dichloroethene	ND	123
Methylene Chloride	ND	123
trans-1,2-Dichloroethene	ND	123
1,1-Dichloroethane	ND	123
cis-1,2-Dichloroethene	ND	123
Chloroform	ND	123
1,1,1-Trichloroethane	ND	123
Carbon Tetrachloride	ND	123
1,2-Dichloroethane	ND	123
Trichloroethene	ND	123
1,2-Dichloropropane	ND	123
Bromodichloromethane	ND	123
2-Chloroethyl Vinyl Ether	ND	123
cis-1,3-Dichloropropene	ND	123
trans-1,3-Dichloropropene	ND	123
1,1,2-Trichloroethane	ND	123
Tetrachloroethene	ND	123
Dibromochloromethane	ND	123
Chlorobenzene	ND	123
Bromoform	ND	123
1,1,2,2-Tetrachloroethane	ND	123
1,3-Dichlorobenzene	ND	123
1,4-Dichlorobenzene	ND	123
1,2-Dichlorobenzene	ND	123

Client ID: **SSFD-2_3-4**
Site: Klockner & Klockner

Lab Sample No: **90829**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9650.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.6

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	139
Chloromethane	ND	139
Vinyl Chloride	ND	139
Bromomethane	ND	139
Chloroethane	ND	139
Trichlorofluoromethane	ND	139
1,1-Dichloroethene	ND	139
Methylene Chloride	ND	139
trans-1,2-Dichloroethene	ND	139
1,1-Dichloroethane	ND	139
cis-1,2-Dichloroethene	ND	139
Chloroform	ND	139
1,1,1-Trichloroethane	ND	139
Carbon Tetrachloride	ND	139
1,2-Dichloroethane	ND	139
Trichloroethene	ND	139
1,2-Dichloropropane	ND	139
Bromodichloromethane	ND	139
2-Chloroethyl Vinyl Ether	ND	139
cis-1,3-Dichloropropene	ND	139
trans-1,3-Dichloropropene	ND	139
1,1,2-Trichloroethane	ND	139
Tetrachloroethene	266	139
Dibromochloromethane	ND	139
Chlorobenzene	ND	139
Bromoform	ND	139
1,1,2,2-Tetrachloroethane	ND	139
1,3-Dichlorobenzene	ND	139
1,4-Dichlorobenzene	ND	139
1,2-Dichlorobenzene	ND	139

Client ID: **SSDW-1_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **90830**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9651.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	128
Chloromethane	ND	128
Vinyl Chloride	ND	128
Bromomethane	ND	128
Chloroethane	ND	128
Trichlorofluoromethane	ND	128
1,1-Dichloroethene	ND	128
Methylene Chloride	ND	128
trans-1,2-Dichloroethene	ND	128
1,1-Dichloroethane	ND	128
cis-1,2-Dichloroethene	ND	128
Chloroform	ND	128
1,1,1-Trichloroethane	ND	128
Carbon Tetrachloride	ND	128
1,2-Dichloroethane	ND	128
Trichloroethene	ND	128
1,2-Dichloropropane	ND	128
Bromodichloromethane	ND	128
2-Chloroethyl Vinyl Ether	ND	128
cis-1,3-Dichloropropene	ND	128
trans-1,3-Dichloropropene	ND	128
1,1,2-Trichloroethane	ND	128
Tetrachloroethene	1040	128
Dibromochloromethane	ND	128
Chlorobenzene	ND	128
Bromoform	ND	128
1,1,2,2-Tetrachloroethane	ND	128
1,3-Dichlorobenzene	ND	128
1,4-Dichlorobenzene	ND	128
1,2-Dichlorobenzene	ND	128

Client ID: **SSSD-1_5-5.5**
Site: Klockner & Klockner

Lab Sample No: **90831**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9652.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.7

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	125
Chloromethane	ND	125
Vinyl Chloride	ND	125
Bromomethane	ND	125
Chloroethane	ND	125
Trichlorofluoromethane	ND	125
1,1-Dichloroethene	ND	125
Methylene Chloride	ND	125
trans-1,2-Dichloroethene	ND	125
1,1-Dichloroethane	ND	125
cis-1,2-Dichloroethene	ND	125
Chloroform	ND	125
1,1,1-Trichloroethane	ND	125
Carbon Tetrachloride	ND	125
1,2-Dichloroethane	ND	125
Trichloroethene	ND	125
1,2-Dichloropropane	ND	125
Bromodichloromethane	ND	125
2-Chloroethyl Vinyl Ether	ND	125
cis-1,3-Dichloropropene	ND	125
trans-1,3-Dichloropropene	ND	125
1,1,2-Trichloroethane	ND	125
Tetrachloroethene	ND	125
Dibromochloromethane	ND	125
Chlorobenzene	ND	125
Bromoform	ND	125
1,1,2,2-Tetrachloroethane	ND	125
1,3-Dichlorobenzene	ND	125
1,4-Dichlorobenzene	ND	125
1,2-Dichlorobenzene	ND	125

Client ID: **SSDA-1_1.5-2**
Site: Klockner & Klockner

Lab Sample No: **90832**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/23/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9653.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.5

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	132
Chloromethane	ND	132
Vinyl Chloride	ND	132
Bromomethane	ND	132
Chloroethane	ND	132
Trichlorofluoromethane	ND	132
1,1-Dichloroethene	ND	132
Methylene Chloride	ND	132
trans-1,2-Dichloroethene	ND	132
1,1-Dichloroethane	ND	132
cis-1,2-Dichloroethene	ND	132
Chloroform	ND	132
1,1,1-Trichloroethane	ND	132
Carbon Tetrachloride	ND	132
1,2-Dichloroethane	ND	132
Trichloroethene	ND	132
1,2-Dichloropropane	ND	132
Bromodichloromethane	ND	132
2-Chloroethyl Vinyl Ether	ND	132
cis-1,3-Dichloropropene	ND	132
trans-1,3-Dichloropropene	ND	132
1,1,2-Trichloroethane	ND	132
Tetrachloroethene	154	132
Dibromochloromethane	ND	132
Chlorobenzene	ND	132
Bromoform	ND	132
1,1,2,2-Tetrachloroethane	ND	132
1,3-Dichlorobenzene	ND	132
1,4-Dichlorobenzene	ND	132
1,2-Dichlorobenzene	ND	132

Client ID: **Trip_Blank-4**
Site: Klockner & Klockner

Lab Sample No: **90833**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/24/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9661.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	125
Chloromethane	ND	125
Vinyl Chloride	ND	125
Bromomethane	ND	125
Chloroethane	ND	125
Trichlorofluoromethane	ND	125
1,1-Dichloroethene	ND	125
Methylene Chloride	ND	125
trans-1,2-Dichloroethene	ND	125
1,1-Dichloroethane	ND	125
cis-1,2-Dichloroethene	ND	125
Chloroform	ND	125
1,1,1-Trichloroethane	ND	125
Carbon Tetrachloride	ND	125
1,2-Dichloroethane	ND	125
Trichloroethene	ND	125
1,2-Dichloropropane	ND	125
Bromodichloromethane	ND	125
2-Chloroethyl Vinyl Ether	ND	125
cis-1,3-Dichloropropene	ND	125
trans-1,3-Dichloropropene	ND	125
1,1,2-Trichloroethane	ND	125
Tetrachloroethene	ND	125
Dibromochloromethane	ND	125
Chlorobenzene	ND	125
Bromoform	ND	125
1,1,2,2-Tetrachloroethane	ND	125
1,3-Dichlorobenzene	ND	125
1,4-Dichlorobenzene	ND	125
1,2-Dichlorobenzene	ND	125

Client ID: **Field_Blank-3**
Site: Klockner & Klockner

Lab Sample No: **90834**
Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/24/98
GC Column: DB624
Instrument ID: VOAGC1.i
Lab File ID: geld9662.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/ELCD
METHOD 8021B

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dichlorodifluoromethane	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

Site: Klockner & Klockner

Lab Job No: I279

Date Sampled: 10/16/98
Date Received: 10/16/98
Matrix: SOIL

Date Analyzed: 10/20/98
QA Batch: 1404

TOTAL ORGANIC CARBON

Envirotech Sample #	Client ID	% Moisture	Dilution Factor	Analytical Result mg/kg (Dry Wt.)
90835	SSGC-4A_2-4	9.5	1.0	10400
90836	SSGC-3A_4.5-5.5	7.1	1.0	429
90837	SSGC-2A_3-4	14.6	2.5	1960

Quantitation Limit for Total Organic Carbon is 100 mg/kg for an undiluted sample.

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02

LABORATORY: Envirotech Project #809002

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/16/98

SAMPLER(S): Cheryl L. Coffee

I279

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
11:47	~~SS~~ fence Area SG33	SSFA-1	1.5-2'	soil	PHAL 90821	ice MEOH	2	
11:50	fence Area SG33	SSFA-6A	1.5-2'	soil	PHAL 90822	ice MEOH	2	
11:45	fence Area SG33	SSFA-1	10.5-11'	soil	PHAL 90823	ice MEOH	2	
1:10	Fence area SG33	SSFA-2	0.5-1'	soil	PHAL 90824	ice MEOH	2	contingent
1:35	Fence area SG 33A	SSFA-3	0.5-1'	soil	PHAL 90825	ice MEOH	2	contingent
12:10	Fence Area SG 32A	SSFA-4	0.5-1'	soil	PHAL 90826	ice MEOH	2	contingent
10:00	Fence Area SG23A	SSFA-5	3-3.5	soil	PHAL 90827	ice MEOH	2	contingent
2:55	pipe through wall	SSPP-1	6.5-7	soil	PHAL 90828	ice MEOH	2	
11:00	floor drain hydropress	SSFD-2	3-4	soil	PHAL 90829	ice MEOH	2	
1:45	Near drywell	SSDW-1	1.5-2	soil	PHAL 90830	ice MEOH	2	
3:10	catch Basin	SSSD-1	5-5.5	soil	PHAL 90831	ice MEOH	2	
2:35	Dumpster Pad	SSDA-1	1.5-2	soil	PHAL 90832	ice MEOH	2	

RELINQUISHED BY: Cheryl L. Coffee DATE: 10/16/98 TIME: 1755 RECEIVED BY: [illegible] DATE: 10/16/98 TIME 1755

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE. ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40. PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301423

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02

LABORATORY: Envirotech Project #809002

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/16/98

SAMPLER(S): Cheryl L. Coffee

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
—	~~FB-4~~ Trip Blank	TB-4	—	~~H_2O~~ MeOH	PHAL	ICE MEOH	1	90833
3:30	Field Blank	FB-3	·	H_2O	PHAL	ICE HCL	2	90834
1:45	Geologic Character	SSGC-4A 2-4'		soil	Grain Size & TOC	ice	2	90835
11:55	Geologic Character	SSGC-3A 4.5-5		soil	Grain Size & TOC	ice	2	90836
10:00	Geologic Character	SSGC-2A 3-4		soil	Grain Size & TOC	ice	2	90837

RELINQUISHED BY: Cheryl L Coffee DATE: 10/16/98 TIME: 1755 RECEIVED BY: [illegible] DATE: 10/16/98 TIME 1755

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

TOTAL NO. CONTAINERS_____

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301424

ATTACHMENT 13

ANALYTICAL DATA SHEETS

10/16/98 – JOB #I280

301426

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

November 2, 1998

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. I280 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 16, 1998:

Lab No.	Client ID	Analysis Required
90838	DSSR-1	TCL VOA+10, PCBs, TAL Metals, Ignitability, Reactivity, Corrosivity
90839	DSRW-1	TCL VOA+10, PCBs, TAL Metals, Ignitability, Reactivity, Corrosivity
90840	Trip_Blank	TCL VOA+10

If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

RECEIVED
NOV 1 1998
The Whitman Companies, Inc.

301427

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND - The compound was not detected at the indicated concentration.

B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

\+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Client ID: **DSSR-1**
Site: Klockner & Klockner

Lab Sample No: **90838**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/27/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5872.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	4.6
Bromomethane	ND	1.4
Vinyl Chloride	ND	2.0
Chloroethane	ND	5.2
Methylene Chloride	ND	5.2
Acetone	46	25
Carbon Disulfide	ND	5.0
1,1-Dichloroethene	ND	2.8
1,1-Dichloroethane	ND	1.6
trans-1,2-Dichloroethene	ND	1.5
cis-1,2-Dichloroethene	ND	5.0
Chloroform	ND	1.0
1,2-Dichloroethane	ND	1.1
2-Butanone	ND	25
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	0.8
Bromodichloromethane	ND	0.9
1,2-Dichloropropane	ND	2.3
cis-1,3-Dichloropropene	ND	1.6
Trichloroethene	ND	2.0
Dibromochloromethane	ND	1.2
1,1,2-Trichloroethane	ND	2.2
Benzene	ND	1.2
trans-1,3-Dichloropropene	ND	1.6
Bromoform	ND	1.5
4-Methyl-2-Pentanone	ND	25
2-Hexanone	ND	25
Tetrachloroethene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	1.6
Toluene	ND	0.9
Chlorobenzene	ND	0.7
Ethylbenzene	ND	1.2
Styrene	ND	5.0
Xylene (Total)	ND	5.0

Client ID: **DSSR-1**
Site: Klockner & Klockner

Lab Sample No: **90838**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/27/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5872.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 5.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
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27.			
28.			
29.			
30.			

TOTAL ESTIMATED CONCENTRATION	0.0

Client ID: **DSRW-1**
Site: Klockner & Klockner

Lab Sample No: **90839**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/24/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5769.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	9.3
Bromomethane	ND	2.7
Vinyl Chloride	ND	3.9
Chloroethane	ND	10
Methylene Chloride	ND	10
Acetone	ND	50
Carbon Disulfide	ND	10
1,1-Dichloroethene	ND	5.5
1,1-Dichloroethane	ND	3.1
trans-1,2-Dichloroethene	ND	3.0
cis-1,2-Dichloroethene	ND	10
Chloroform	ND	2.0
1,2-Dichloroethane	ND	2.2
2-Butanone	ND	50
1,1,1-Trichloroethane	ND	2.0
Carbon Tetrachloride	ND	1.6
Bromodichloromethane	ND	1.9
1,2-Dichloropropane	ND	4.6
cis-1,3-Dichloropropene	ND	3.3
Trichloroethene	ND	4.1
Dibromochloromethane	ND	2.3
1,1,2-Trichloroethane	ND	4.3
Benzene	ND	2.4
trans-1,3-Dichloropropene	ND	3.1
Bromoform	ND	3.0
4-Methyl-2-Pentanone	ND	50
2-Hexanone	ND	50
Tetrachloroethene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	3.3
Toluene	ND	1.8
Chlorobenzene	ND	1.4
Ethylbenzene	ND	2.4
Styrene	ND	10
Xylene (Total)	ND	10

Client ID: **DSRW-1**
Site: Klockner & Klockner

Lab Sample No: **90839**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/24/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5769.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 10.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
5.			
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30.			

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **Trip_Blank**
Site: Klockner & Klockner

Lab Sample No: **90840**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/24/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5770.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	0.9
Bromomethane	ND	0.3
Vinyl Chloride	ND	0.4
Chloroethane	ND	1.0
Methylene Chloride	ND	1.0
Acetone	ND	5.0
Carbon Disulfide	ND	1.0
1,1-Dichloroethene	ND	0.6
1,1-Dichloroethane	ND	0.3
trans-1,2-Dichloroethene	ND	0.3
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	0.2
1,2-Dichloroethane	ND	0.2
2-Butanone	ND	5.0
1,1,1-Trichloroethane	ND	0.2
Carbon Tetrachloride	ND	0.2
Bromodichloromethane	ND	0.2
1,2-Dichloropropane	ND	0.5
cis-1,3-Dichloropropene	ND	0.3
Trichloroethene	ND	0.4
Dibromochloromethane	ND	0.2
1,1,2-Trichloroethane	ND	0.4
Benzene	ND	0.2
trans-1,3-Dichloropropene	ND	0.3
Bromoform	ND	0.3
4-Methyl-2-Pentanone	ND	5.0
2-Hexanone	ND	5.0
Tetrachloroethene	ND	0.1
1,1,2,2-Tetrachloroethane	ND	0.3
Toluene	ND	0.2
Chlorobenzene	ND	0.1
Ethylbenzene	ND	0.2
Styrene	ND	1.0
Xylene (Total)	ND	1.0

Client ID: **Trip_Blank**
Site: Klockner & Klockner

Lab Sample No: **90840**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Analyzed: 10/24/98
GC Column: DB624
Instrument ID: VOAMS7.i
Lab File ID: v5770.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

COMPOUND NAME	RT	EST. CONC. ug/l	Q
1. NO VOLATILE ORGANIC COMPOUNDS FOUND			
2.			
3.			
4.			
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29.			
30.			

TOTAL ESTIMATED CONCENTRATION 0.0

Client ID: **DSSR-1**
Site: Klockner & Klockner

Lab Sample ID: **90838**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Extracted: 10/21/98
Date Analyzed: 10/27/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 990 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr004375.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.40
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

Client ID: **DSRW-1**
Site: Klockner & Klockner

Lab Sample ID: **90839**
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Date Extracted: 10/21/98
Date Analyzed: 10/27/98
GC Column: DB-608
Instrument ID: PESTGC6.i

Matrix: WATER
Sample Volume: 920 ml
Extract Final Volume: 5.0 ml
Dilution Factor: 1.0
Lab File ID: nr004398.d

ORGANOCHLORINE PCBs - GC/ECD
METHOD 608

Parameter	Analytical Results Units: ug/l	Method Detection Limit Units: ug/l
Aroclor-1016	ND	0.30
Aroclor-1221	ND	0.30
Aroclor-1232	ND	0.40
Aroclor-1242	ND	0.20
Aroclor-1248	ND	0.30
Aroclor-1254	ND	0.40
Aroclor-1260	ND	0.20
Aroclor-1262	ND	0.20
Aroclor-1268	ND	0.20

Client ID: **DSSR-1**
Site: **Klockner & Klockner**

Lab Sample No: 90838
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Aluminum	10200	58.2	P
Antimony	ND	4.6	P
Arsenic	6.0	3.8	P
Barium	606	1.4	P
Beryllium	4.5	0.20	P
Cadmium	17.5	0.40	P
Calcium	94100	42.2	P
Chromium	365	1.0	P
Cobalt	25.3	1.2	P
Copper	231	3.5	P
Iron	153000	41.5	P
Lead	304	2.5	P
Magnesium	41500	40.3	P
Manganese	794	1.1	P
Mercury	14.8	0.50	CV
Nickel	123	2.1	P
Potassium	106000	601	P
Selenium	ND	4.8	P
Silver	ND	1.4	P
Sodium	246000	263	P
Thallium	ND	4.8	P
Vanadium	21.2	1.9	P
Zinc	5730	9.0	P

M Column - Method Code (See Section 2 of Report)

Client ID: **DSRW-1**
Site: **Klockner & Klockner**

Lab Sample No: 90839
Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	M
Aluminum	30100	58.2	P
Antimony	ND	4.6	P
Arsenic	10.6	3.8	P
Barium	209	1.4	P
Beryllium	1.4	0.20	P
Cadmium	1.0	0.40	P
Calcium	159000	42.2	P
Chromium	155	1.0	P
Cobalt	11.5	1.2	P
Copper	263	3.5	P
Iron	37500	41.5	P
Lead	92.5	2.5	P
Magnesium	11700	40.3	P
Manganese	696	1.1	P
Mercury	0.15	0.10	CV
Nickel	85.2	2.1	P
Potassium	11400	300	P
Selenium	ND	4.8	P
Silver	ND	1.4	P
Sodium	319000	263	P
Thallium	ND	4.8	P
Vanadium	64.2	1.9	P
Zinc	684	4.5	P

M Column - Method Code (See Section 2 of Report)

Site: Klockner & Klockner

Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Matrix: WATER

Date Analyzed: 10/19/98
QA Batch: 1681

CORROSIVITY (pH)

Envirotech Sample #	Client ID	Analytical Result Units: std unit
90838	DSSR-1	7.63
90839	DSRW-1	10.31

Site: Klockner & Klockner

Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Matrix: WATER

Date Analyzed: 10/19/98
QA Batch: 1376

IGNITABILITY

Envirotech Sample #	Client ID	Flashpoint Units: deg F
90838	DSSR-1	>160
90839	DSRW-1	>160

Site: Klockner & Klockner

Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Matrix: WATER

Date Extracted: 10/19/98
Date Analyzed: 10/19/98
QA Batch: 1364

REACTIVE CYANIDE

Envirotech Sample #	Client ID	Dilution Factor	Analytical Result Units: mg/l
90838	DSSR-1	2.0	ND
90839	DSRW-1	2.0	ND

Quantitation Limit for Reactive Cyanide is 25.0 mg/l

Site: Klockner & Klockner

Lab Job No: I280

Date Sampled: 10/16/98
Date Received: 10/16/98
Matrix: WATER

Date Extracted: 10/19/98
Date Analyzed: 10/19/98
QA Batch: 1364

REACTIVE SULFIDE

Envirotech Sample #	Client ID	Dilution Factor	Analytical Result Units: mg/l
90838	DSSR-1	2.0	ND
90839	DSRW-1	2.0	ND

Quantitation Limit for Reactive Sulfide is 20.0 mg/l

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02

LABORATORY: Envirotech Project #809002

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/16/98

SAMPLER(S): Cheryl L. Coffee

I280

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
4:00	Scale Room	DSSR-1	–	H_2O	VOC, PCB, Metals, Ign, Corros, React	Ice, HCl HNO_3	6	90838
3:50	Rinse Water	DSRW-1	–	H_2O	VOC, PCB, Metals, Ign, Corros React	Ice, HCl HNO_3	6	90839
ED HAIN → 8D	TRIP BLANK			W			2	90840

RELINQUISHED BY: Cheryl L Coffee DATE: 10/16/98 TIME: 1012 RECEIVED BY: [signature] DATE: 10/16/98 TIME 1812

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40 PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301446

ATTACHMENT 14

ANALYTICAL DATA SHEETS

10/16/98 – JOB #I279GS

301448

ENVIROTECH RESEARCH, INC.

777 New Durham Road
Edison, New Jersey 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.enviro-lab.com

December 2, 1998

RECEIVED
DEC 6 1998
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. I279GS - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 16, 1998:

Lab No.	Client ID	Analysis Required
90835	SSGC-4_2-4	Grain Size
90836	SSGC-3_4.5-5	Grain Size
90837	SSGC-2_3-4	Grain Size

If you have any questions please contact your Project Manager, Robert McGrady, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301449

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

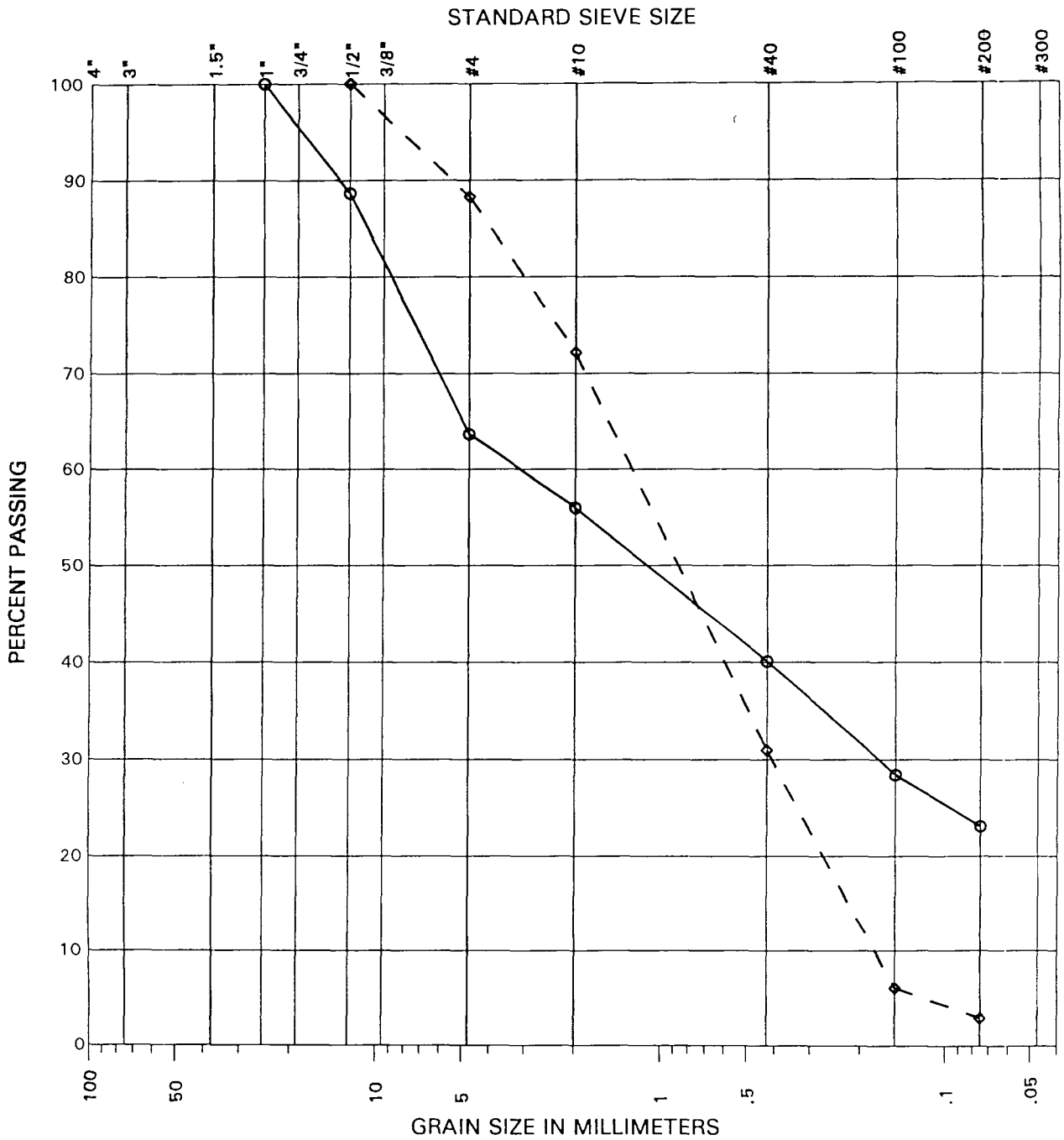
B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

UNIFIED SOIL CLASSIFICATION

COBBLES & BOULDERS	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
1279-90835	2'-4'			
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	11.0	----	----	SM
USCS CLASSIFICATION: FINE TO COARSE SAND,AND GRAVEL,SOME SILT				
EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
1279-90836	4.5'-5'			
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	6.1	----	----	SP
USCS CLASSIFICATION: FINE TO COARSE SAND,LITTLE FINE GRAVEL,TRACE SILT				

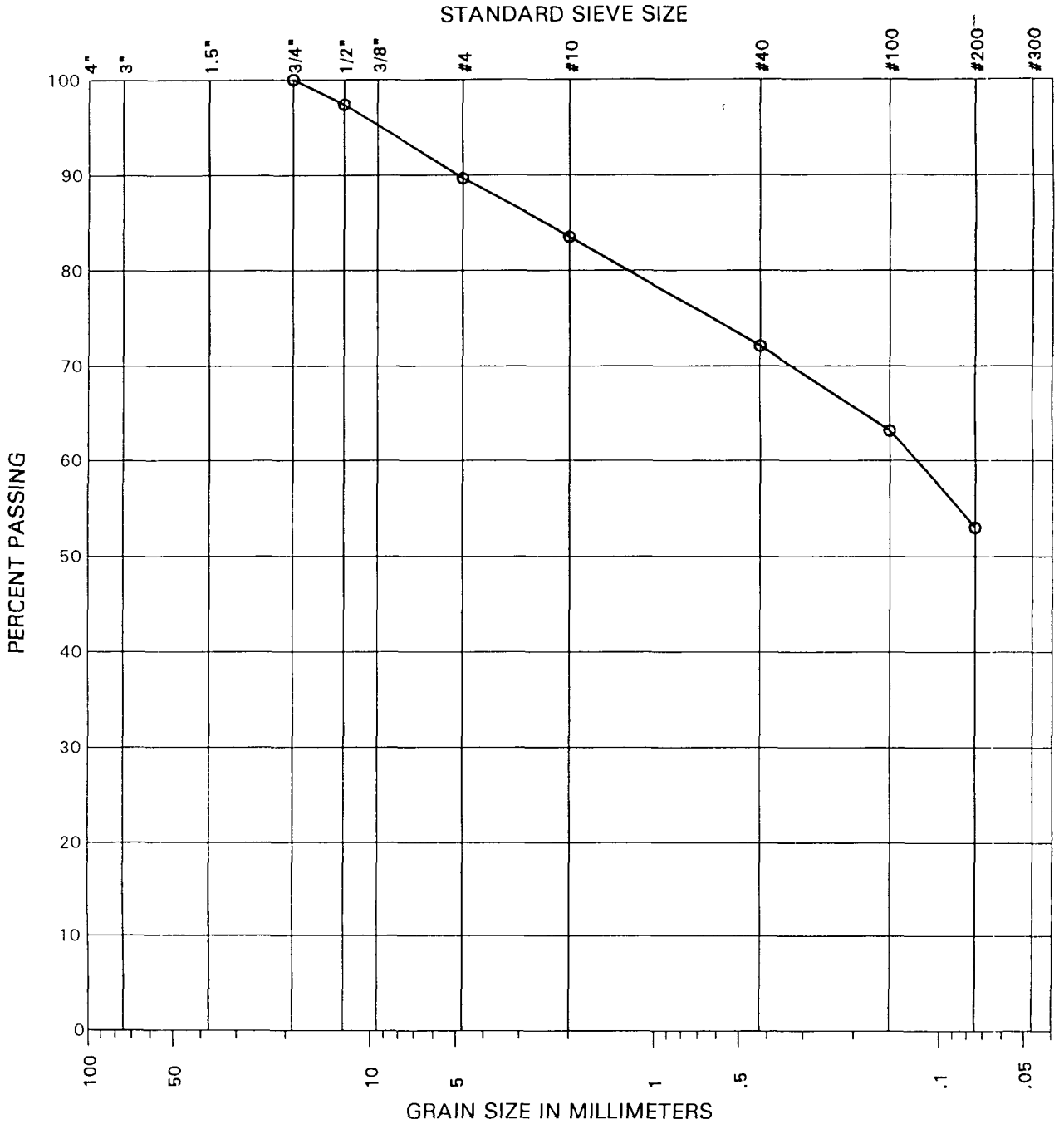
GRADATION CURVES

301454

JOB NUMBER 5100-108

UNIFIED SOIL CLASSIFICATION

COBBLES & BOULDERS	GRAVEL		SAND			SILT OR CLAY
	COARSE	FINE	COARSE	MEDIUM	FINE	



EXPLORATION/IDENTIFICATION:	DEPTH/SOURCE:			
1279-90837				
LINE SYMBOL:	MOISTURE CONTENT (%):	LIQUID LIMIT (%):	PLASTIC LIMIT (%):	USCS SYMBOL:
	15.7	----	----	ML
USCS CLASSIFICATION:				
SILT,AND FINE TO COARSE SAND,LITTLE FINE GRAVEL				

JOB NUMBER 5100-106

GRADATION CURVE

301455

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02

LABORATORY: Envirotech Project #809002

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/16/98

SAMPLER(S): Cheryl L. Coffee

I279

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED		PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
11:47	~~SS~~ fence Area SG33	SSFA-1	1.5-2'	soil	PHAL	90821	ICE MEOH	2	
11:50	fence Area SG33	SSFA-6A	1.5-2'	soil	PHAL	90822	ICE MEOH	2	
11:45	fence Area SG33	SSFA-1	10.5-11'	soil	PHAL	90823	ICE MEOH	2	
1:10	Fence area SG33	SSFA-2	0.5-1'	soil	PHAL	90824	ICE MEOH	2	contingent
1:35	Fence area SG 33A	SSFA-3	0.5-1'	soil	PHAL	90825	ICE MEOH	2	contingent
12:10	Fence Area SG32A	SSFA-4	0.5-1'	soil	PHAL	90826	ICE MEOH	2	contingent
10:00	Fence Area SG23A	SSFA-5	3-3.5	soil	PHAL	90827	ICE MEOH	2	contingent
2:55	pipe through wall	SSPP-1	6.5-7	soil	PHAL	90828	ICE MEOH	2	
11:00	floor drain hydropress	SSFD-2	3-4	soil	PHAL	90829	ICE MEOH	2	
1:45	Near drywell	SSDW-1	1.5-2	soil	PHAL	90830	ICE MEOH	2	
3:10	catch Basin	SSSD-1	5-5.5	soil	PHAL	90831	ICE MEOH	2	
2:35	Dumpster Pad	SSDA-1	1.5-2	soil	PHAL	90832	ICE MEOH	2	

RELINQUISHED BY: Cheryl L. Coffee DATE: 10/16/98 TIME: 1755 RECEIVED BY: [illegible] DATE: 10/16/98 TIME 1755

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301456

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner

PROJECT NO: 95-03-02

LABORATORY: Envirotech Project #809002

SITE ADDRESS: Stickle Avenue & Elm Street, Rockaway Borough, NJ

SAMPLE DATE: 10/16/98

SAMPLER(S): Cheryl L. Coffee

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
—	~~FB-4~~ Trip Blank	TB-4	—	~~H_2O~~ MeOH	PHAL	Ice MEOH	1	90833
3:30	Field Blank	FB-3	·	H_2O	PHAL	ice HCL	2	90834
1:45	Geologic Character	SSGC-4A	2-4'	soil	Grain Size & TOC	ice	2	90835
11:55	Geologic Character	SSGC-3A	4.5-5	soil	Grain Size & TOC	ice	2	90836
10:00	Geologic Character	SSGC-2A	3-4	soil	Grain Size & TOC	ice	2	90837

RELINQUISHED BY: Cheryl L Coffee DATE: 10/16/98 TIME: 1755 RECEIVED BY: [signature] DATE: 10/16/98 TIME 1755

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

CT = CEILING TILE
FT = FLOOR TILE
TSI = THERMAL SYSTEM INSULATION

TOTAL NO. CONTAINERS_____

THE WHITMAN COMPANIES INC
44 WEST FERRIS STREET
EAST BRUNSWICK, NJ 08816

301457

ATTACHMENT 15

ANALYTICAL DATA SHEETS

2/8/00 – JOB #X303

301459

301460

STL Envirotech
777 New Durham Road
Edison, NJ 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.stl-inc.com

Envirotech
a division of Severn Trent Laboratories, Inc.

February 28, 2000

RECEIVED
MAR -
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. X303 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on February 09, 2000:

Lab No.	Client ID	Analysis Required
182785	SSAW-9	Method 8021-Purgeable Halocarbons
182786	SSAW-11	Method 8021-Purgeable Halocarbons
182787	SSFS-1C	Pb
182788	SSFS-1D	Method 8021-Purgeable Halocarbons
182789	SSFS-4A	Pb
182791	SSFS-5A	Pb
182793	SSFS-6A	Pb
182795	SSNDS-1C	Method 8021-Purgeable Halocarbons
182796	SSNDS-1D	Method 8021-Purgeable Halocarbons
182797	SSNDS-2C	Method 8021-Purgeable Halocarbons
182798	SSNDS-3A	Method 8021-Purgeable Halocarbons
182799	SSNDS-3B	Method 8021-Purgeable Halocarbons
182800	SSNDS-4A	Method 8021-Purgeable Halocarbons
182801	SSNDS-4B	Method 8021-Purgeable Halocarbons
182802	SSNDS-5	Method 8021-Purgeable Halocarbons
182803	SSNDS-D	Method 8021-Purgeable Halocarbons
182804	SSNDS-6	Method 8021-Purgeable Halocarbons
182805	SSNDS-7A	Method 8021-Purgeable Halocarbons
182806	SSNDS-7B	Method 8021-Purgeable Halocarbons
182807	SSNDS-8	Method 8021-Purgeable Halocarbons
182808	FB0200	Method 601-Purgeable Halocarbons, Pb

Envirotech
a division of Severn Trent Laboratories, Inc

Lab No.	Client ID	Analysis Required
182809	TB0200	Method 8021-Purgeable Halocarbons
182810	SSFDS-D	Pb

If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301461

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

ORGANIC DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified quantitation limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

INORGANIC DATA REPORTING QUALIFIERS (SW-846 METHODS ONLY)

ND - The compound was not detected at the indicated concentration.

B - Reported value is less than the Method Detection Limit but greater than or equal to the Instrument Detection Limit.

E - The reported value is estimated because of the presence of interference. See explanatory note in the Nonconformance Summary if the problem applies to all of the samples or on the individual Inorganic Analysis Data Sheet if the problem is isolated.

M - Duplicate injection precision not met on the Furnace Atomic Absorption analysis.

N - The spiked sample recovery is not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

* - Duplicate Analysis is not within control limits.

W - Post digestion spike for Furnace Atomic Absorption analysis is out of control.

+ - Correlation coefficient for MSA is less than 0.995.

M Column - Method Qualifiers

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP).

A - Flame Atomic Absorption Spectroscopy (FAA).

F - Graphite Furnace Atomic Absorption Spectroscopy (GFAA).

CV - Cold Vapor Atomic Absorption Spectroscopy.

Client ID: **FB0200**
Site: Klockner & Klockner

Lab Sample No: **182808**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/10/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7529.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC/ELCD
METHOD 601

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Dichlorodifluoromethane	ND	0.33
Chloromethane	ND	0.59
Vinyl Chloride	ND	0.54
Bromomethane	ND	0.61
Chloroethane	ND	0.48
Trichlorofluoromethane	ND	0.43
1,1-Dichloroethene	ND	0.35
Methylene Chloride	ND	0.57
trans-1,2-Dichloroethene	ND	0.28
1,1-Dichloroethane	ND	0.36
cis-1,2-Dichloroethene	ND	0.38
Chloroform	ND	0.43
1,1,1-Trichloroethane	ND	0.27
Carbon Tetrachloride	ND	0.30
1,2-Dichloroethane	ND	0.54
Trichloroethene	ND	0.38
1,2-Dichloropropane	ND	0.56
Bromodichloromethane	ND	0.62
2-Chloroethyl Vinyl Ether	ND	0.49
cis-1,3-Dichloropropene	ND	0.56
trans-1,3-Dichloropropene	ND	0.56
1,1,2-Trichloroethane	ND	0.52
Tetrachloroethene	ND	0.21
Dibromochloromethane	ND	0.47
Chlorobenzene	ND	0.43
Bromoform	ND	0.95
1,1,2,2-Tetrachloroethane	ND	0.53
1,3-Dichlorobenzene	ND	0.60
1,4-Dichlorobenzene	ND	0.59
1,2-Dichlorobenzene	ND	0.62

Client ID: **SSAW-9**
Site: Klockner & Klockner

Lab Sample No: **182785**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7569.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	440	120
1;2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSAW-11**
Site: Klockner & Klockner

Lab Sample No: **182786**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7570.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 24.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	300
Chloromethane	ND	300
Vinyl Chloride	ND	300
Bromomethane	ND	300
Chloroethane	ND	300
Trichlorofluoromethane	ND	300
1,1-Dichloroethene	ND	300
Methylene Chloride	ND	300
trans-1,2-Dichloroethene	ND	300
1,1-Dichloroethane	ND	300
cis-1,2-Dichloroethene	ND	300
Chloroform	ND	300
1,1,1-Trichloroethane	ND	300
Carbon Tetrachloride	ND	300
1,2-Dichloroethane	ND	300
Trichloroethene	9900	300
1,2-Dichloropropane	ND	300
Bromodichloromethane	ND	300
2-Chloroethyl Vinyl Ether	ND	300
cis-1,3-Dichloropropene	ND	300
trans-1,3-Dichloropropene	ND	300
1,1,2-Trichloroethane	ND	300
Tetrachloroethene	370	300
Dibromochloromethane	ND	300
Chlorobenzene	ND	300
Bromoform	ND	300
1,1,2,2-Tetrachloroethane	ND	300
1,3-Dichlorobenzene	ND	300
1,4-Dichlorobenzene	ND	300
1,2-Dichlorobenzene	ND	300

Client ID: **SSFS-1D**
Site: Klockner & Klockner

Lab Sample No: **182788**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7571.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 2.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

Client ID: **SSNDS-1C**
Site: Klockner & Klockner

Lab Sample No: **182795**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7572.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSNDS-1D**
Site: Klockner & Klockner

Lab Sample No: **182796**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7573.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSNDS-2C**
Site: Klockner & Klockner

Lab Sample No: **182797**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7574.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	ND	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSNDS-3A**
Site: Klockner & Klockner

Lab Sample No: **182798**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7575.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.8

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	270	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	470	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSNDS-3B**
Site: Klockner & Klockner

Lab Sample No: **182799**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7576.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.9

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	2700	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSNDS-4A**
Site: Klockner & Klockner

Lab Sample No: **182800**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7577.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 12.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	2300	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSNDS-4B**
Site: Klockner & Klockner

Lab Sample No: **182801**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/15/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7578.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	180	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSNDS-5**
Site: Klockner & Klockner

Lab Sample No: **182802**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7600.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	480	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSNDS-D**
Site: Klockner & Klockner

Lab Sample No: **182803**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7601.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	ND	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSNDS-6**
Site: Klockner & Klockner

Lab Sample No: **182804**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7602.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	410	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSNDS-7A**
Site: Klockner & Klockner

Lab Sample No: **182805**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7603.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSNDS-7B**
Site: Klockner & Klockner

Lab Sample No: **182806**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7605.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSNDS-8**
Site: Klockner & Klockner

Lab Sample No: **182807**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7606.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

Client ID: **TB0200**
Site: Klockner & Klockner

Lab Sample No: **182809**
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00
Date Analyzed: 02/17/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7607.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSFS-1C**
Site: **Klockner & Klockner**

Lab Sample No: 182787
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 5.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	77.3	4.5	N*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSFS-4A**
Site: **Klockner & Klockner**

Lab Sample No: 182789
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 9.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	128	4.7	N*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSFS-5A**
Site: **Klockner & Klockner**

Lab Sample No: 182791
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 4.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	11.1	4.5	N*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSFS-6A**
Site: **Klockner & Klockner**

Lab Sample No: 182793
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 4.0

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	8.8	4.5	BN*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **FB0200**
Site: **Klockner & Klockner**

Lab Sample No: 182808
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	21.4	N*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSFDS-D**
Site: **Klockner & Klockner**

Lab Sample No: 182810
Lab Job No: X303

Date Sampled: 02/08/00
Date Received: 02/09/00

Matrix: SOLID
Level: LOW
% Moisture: 3.7

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	34.6	4.4	N*	P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

[redacted] PAGE [redacted] OF [redacted]

SAMPLE DATE: 2/8/00
SAMPLER(S): Cheryl Coffee

X 303

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
2:40	Alleyway/Bldg	SSAW-9	5-5.5'	soil	PHAL	MeOH	2	CLP Package 182785
2:15	Alleyway/Bldg	SSAW-11	1-1.5'	soil	PHAL	MeOH	2	PHAL by 8021 182786
1:00	~~North~~ drum Storage	SSFS-1C	2-2.5'	soil	Lead	Ice	1	182787
1:05	Drum Storage	SSFS-1D	5-5.5'	soil	PHAL	MeOH	2	182788
12:35	Drum Storage	SSFS-4A	0.-0.5'	soil	Lead	Ice	1	182789
12:30	Drum Storage	SSFS-4B	2-2.5'	soil	Lead - Contingent	Ice	1	Hold 182790
12:15	Drum Storage	SSFS-5A	0-0.5'	soil	Lead	Ice	1	182791
12:20	Drum Storage	SSFS-5B	2-2.5'	soil	Lead - contingent	Ice	1	hold 182792
1:15	Drum Storage	SSFS-6A	0-0.5'	soil	Lead	Ice	1	182793
1:20	Drum Storage	SSFS-6B	2-2.5'	soil	Lead - contingent	Ice	1	hold 182794
11:40	North Drum Storage	SSNDS-1C	4.5-5'	soil	PHAL	MeOH	2	182795
11:50	North Drum Storage	SSNDS-1D	12-12.5'	soil	PHAL	MeOH	2	182796
11:15	North Drum Storage	SSNDS-2C	5-5.5'	soil	PHAL	MeOH	2	182797
1:45	North Drum Storage	SSNDS-3A	1-1.5'	soil	PHAL	MeOH	2	182798
1:50	North Drum Storage	SSNDS-3B	~~4.5-5.0'~~	soil	PHAL	MeOH	2	182799
11:55	North Drum Storage	SSNDS-4A	1.5-2'	soil	PHAL	MeOH	2	182800
12:00	North Drum Storage	SSNDS-4B	4.5-5'	soil	PHAL	MeOH	2	182801
12:45	North Drum Storage	SSNDS-5	1-1.5'	soil	PHAL	MeOH	2	182802
12:50	North Drum Storage	SSNDS-D	1-1.5'	soil	PHAL	MeOH	2	182803
11:05	North Drum Storage	SSNDS-6	1-1.5'	soil	PHAL	MeOH	2	182804
10:50	North Drum Storage	SSNDS-7A	1.5-2'	soil	PHAL	MeOH	2	182805
10:55	North Drum Storage	SSNDS-7B	4.5-5'	soil	PHAL	MeOH	2	182806
10:30	North Drum Storage	SSNDS-8	1-1.5'	soil	PHAL	MeOH	2	182807

RELINQUISHED BY: Cheryl L Coff DATE: 2/9/00 TIME: 1350 RECEIVED BY: [signature] DATE: 2/9/00 TIME 1350

RELINQUISHED BY: [signature] DATE: 2/9/00 TIME: 1550 RECEIVED BY: [signature] DATE: 2/9/00 TIME 1550

ANALYTICAL PARAMETER IDENTIFICATION KEY:
PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

TOTAL NO. CONTAINERS_____

301490

25

3

PROJECT NO: 95-03-02
LABORATORY: Envirotech Research

SITE ADDRESS: Rockaway, NJ
SAMPLE DATE: 2/8/00
SAMPLER(S): Cheryl Coffee

X303

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
2:50	Field Blank	FB0200	—	H_2O	PHAL, ~~Lead~~ 182808	HCL	2	PHAL by 8021 ~~182808~~
2:50	Field Blank	FB0200	—	H_2O	Lead ↓	HNO_3	1	~~182809~~
	Trip Blank	TB0200	—	MeOH	PHAL 182809	MeOH	2	~~182810~~
12:30	~~Former Drum Storage~~	SSFDS-D	0-0.5'	Soil	Lead 182810	Ice	1	~~182811~~

RELINQUISHED BY: Cheryl Coffee DATE: 2/7/00 TIME: 1350 RECEIVED BY: [illegible] DATE: 2.9.00 TIME: 1350

RELINQUISHED BY: [illegible] DATE: 2.9.00 TIME: 1550 RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:
PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

TOTAL NO. CONTAINERS_____

The Whitman Companies
44 West Ferris Street
East Brunswick, NJ 08816
908-390-5858

301491

16

ATTACHMENT 16

ANALYTICAL DATA SHEETS

2/15/00 – JOB #X455

301493

Envirotech
a division of Severn Trent Laboratories, Inc.

STL Envirotech
777 New Durham Road
Edison, NJ 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.stl-inc.com

March 06, 2000

RECEIVED
MAR - 9
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. X455 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on February 16, 2000:

Lab No.	Client ID	Analysis Required
183826	SSFA-1	Method 8021 - Purgeable Halocarbons
183827	SSFA-D	Method 8021 - Purgeable Halocarbons
183828	SSFA-4A	Method 8021 - Purgeable Halocarbons
183829	SSFA-4B	Method 8021 - Purgeable Halocarbons
183830	SSFA-4C	Method 8021 - Purgeable Halocarbons

If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301494

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Client ID: **SSFA-1**
Site: Klockner & Klockner

Lab Sample No: **183826**
Lab Job No: X455

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7679.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 4.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

Client ID: **SSFA-D**
Site: Klockner & Klockner

Lab Sample No: **183827**
Lab Job No: X455

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7680.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 20.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	ND	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	2600	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSFA-4A**
Site: Klockner & Klockner

Lab Sample No: **183828**
Lab Job No: X455

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7681.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 7.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSFA-4B**
Site: Klockner & Klockner

Lab Sample No: **183829**
Lab Job No: X455

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7682.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 6.9

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSFA-4C**
Site: Klockner & Klockner

Lab Sample No: **183830**
Lab Job No: X455

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7683.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	150	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 T204
LABORATORY: ENVIROTECH RESEARCH

SITE ADDRESS: Stickle Ave and Elm St, Rockaway, N
SAMPLE DATE: Feb 15, 2000
SAMPLER(S): Cheryl L. Coffee

Job X455

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
14:40	Fence Area	SSFA-1	5-5.5'	Soil	PHAL 183826	MeOH	2	PHAL by 8021
14:45	Fence Area	SSFA-D	5-5.5'	Soil	PHAL 183827	MeOH	2	
14:20	Fence Area	SSFA-4A	5-5.5'	Soil	PHAL 183828	MeOH	2	CLP Package
14:25	Fence Area	SSFA-4B	7-7.5'	Soil	PHAL 183829	MeOH	2	
14:30	Fence Area	SSFA-4C	10.5-11'	Soil	PHAL 183830	MeOH	2	

RELINQUISHED BY: Cheryl L. Coffee DATE: 2/16/00 TIME: 0830 RECEIVED BY: [illegible] DATE: 2/16/00 TIME 0830

RELINQUISHED BY: [illegible] DATE: 2/16/00 TIME: [illegible] RECEIVED BY: [illegible] DATE: 2/16/00 TIME 10:00

ANALYTICAL PARAMETER IDENTIFICATION KEY:
PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH

TOTAL NO. CONTAINERS_____

The Whitman Companies
44 West Ferris Street
East Brunswick, NJ 08816
908-390-5858

301504

ATTACHMENT 17

ANALYTICAL DATA SHEETS

2/15/00 – JOB #X456

301506

Envirotech
a division of Severn Trent Laboratories, Inc.

STL Envirotech
777 New Durham Road
Edison, NJ 08817
Tel: (732) 549-3900
Fax: (732) 549-3679
www.stl-inc.com

March 06, 2000

RECEIVED
MAR -
The Whitman Companies, Inc.

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: Job No. X456 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on February 16, 2000:

Lab No.	Client ID	Analysis Required
183831	SSAW-3	Method 8021 - Purgeable Halocarbons
183832	SSAW-12	Method 8021 - Purgeable Halocarbons
183833	SSAW-13	Method 8021 - Purgeable Halocarbons
183834	SSAW-14	Method 8021 - Purgeable Halocarbons
183835	SSAW-15	Method 8021 - Purgeable Halocarbons
183836	SSAW-16	Method 8021 - Purgeable Halocarbons
183837	SSAW-D	Method 8021 - Purgeable Halocarbons
183838	SSAW-17	Method 8021 - Purgeable Halocarbons
183839	SSFS-3A	Pb
183840	SSFS-3B	Method 8021 - Purgeable Halocarbons
183841	SSFS-3C	Pb
183842	FBA0200	Method 8021 - Purgeable Halocarbons, Pb
183843	TBA0200	Method 8021 - Purgeable Halocarbons

If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301507

Analytical Methodology Summary

Volatile Organics:

Unless otherwise specified, water samples are analyzed for volatile organics by purge and trap GC/MS as specified in EPA Method 624. Drinking water samples are analyzed by EPA Method 524.2. Solid samples are analyzed for volatile organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8260B. Water samples are analyzed for volatile organics by purge and trap GC/PID and GC/ELCD as specified in EPA Methods 601 and 602. Solid samples are analyzed by GC/PID and GC/ELCD in accordance with SW-846, 3rd Edition Method 8021B.

Acid and Base/Neutral Extractable Organics:

Unless otherwise specified, water samples are analyzed for acid and/or base/neutral extractable organics by GC/MS in accordance with EPA Method 625. Solids are analyzed for acid and/or base/neutral extractable organics as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8270C.

GC/MS Nontarget Compound Analysis:

Analysis for nontarget compounds is conducted, upon request, in conjunction with GC/MS analyses by EPA Methods 624, 625, 8260B and 8270C. Nontarget compound analysis is conducted using a forward library search of the EPA/NIH/NBS mass spectral library of compounds at the greatest apparent concentration (10% or greater of the nearest internal standard) in each organic fraction (15 for volatile, 15 for base/neutrals and 10 for acid extractables).

Organochlorine Pesticides and PCBs:

Unless otherwise specified, water samples are analyzed for organochlorine pesticides and PCBs by dual column gas chromatography with electron capture detectors as specified in EPA Method 608. Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition) Method 8081A for organochlorine pesticides and Method 8082 for PCBs.

Total Petroleum Hydrocarbons:

Water samples are analyzed for petroleum hydrocarbons by I.R. using EPA Method 418.1. Solid samples are prepared for analysis by soxhlet extraction consistent with the March 1990 N.J. DEP "Remedial Investigation Guide" Appendix A, page 52, and analyzed by U.S. EPA Method 418.1

Metals Analysis:

Metals analyses are performed by any of four techniques specified by a Method Code provided on each data report page, as follows:

P - Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP)

A - Flame Atomic Absorption

F - Furnace Atomic Absorption

CV - Manual Cold Vapor (Mercury)

Water samples are digested and analyzed using EPA methods provided in "Methods for Chemical Analysis of Water and Wastewater" (EPA 600/4-79-020). Solid samples are analyzed as specified in the EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition); samples are digested according to Method 3050B "Acid Digestion of Soil, Sediments and Sludges."

Specific method references for ICP analyses are water Method 200.7 and solid Method 6010B. Mercury analyses are conducted by the manual cold vapor technique specified by water Method 245.1 and solid Method 7471A. Other specific Atomic Absorption method references are as follows:

	Water Test Method		Solid Test Method	
Element	Flame	Furnace	Flame	Furnace
Aluminum	202.1	202.2	7020	--
Antimony	204.1	204.2	7040	7041
Arsenic	--	206.2	--	7060
Barium	208.1	--	7080	--
Beryllium	210.1	210.2	7090	7091
Cadmium	213.1	213.2	7130	7131
Calcium	215.1	--	7140	--
Chromium, Total	218.1	218.2	7190	7191
Chromium, (+6)	218.4	218.5	7197	7195
Cobalt	219.1	219.2	7200	7201
Copper	220.1	220.2	7210	--
Iron	236.1	236.2	7380	--
Lead	239.1	239.2	7420	7421
Magnesium	242.1	--	7450	--
Manganese	243.1	243.2	7460	--
Nickel	249.1	249.2	7520	--
Potassium	258.1	--	7610	--
Selenium	--	270.2	--	7740
Silver	272.1	272.2	7760	--
Sodium	273.1	--	7770	--
Tin	283.1	283.2	7870	--
Thallium	279.1	279.2	7840	7841
Vanadium	286.1	286.2	7910	7911
Zinc	289.1	289.2	7950	--

Cyanide:

Water samples are analyzed for cyanide using EPA Method 335.3. Cyanide is determined in solid samples as specified in the EPA Contract Laboratory Program IFB dated July 1988, revised February 1989.

Phenols:

Water samples are analyzed for total phenols using EPA Method 420.2. Total phenols are determined in solid samples by preparing the sample as outlined in the EPA Contract Laboratory Program IFB for cyanide, followed by a phenols determination using EPA Method 420.1.

Cleanup of Semivolatile Extracts:

Upon request Method 3611B Alumina Column Cleanup and/or Method 3650B Acid-Base Partition Cleanup are performed to improve detection limits by the removal of saturated hydrocarbon interferences.

Hazardous Waste Characteristics:

Samples for hazardous waste characteristics are analyzed as specified in the U.S. EPA publication "Test Methods for Evaluating Solid Waste" (SW-846, 3rd Edition). Specific method references are as follows:

Ignitability	- Method 1020A
Corrosivity	- Water pH Method 9040B Soil pH Method 9045C
Reactivity	- Chapter 7, Section 7.3.3 and 7.3.4 respectively for hydrogen cyanide and hydrogen sulfide release
Toxicity	- TCLP Method 1311

Miscellaneous Parameters:

Additional analyses performed on both aqueous and solid samples are in accordance with methods published in the following references:

- Test Methods for Evaluating Solid Wastes, SW-846 3rd Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, 17th Edition.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, 1979.

DATA REPORTING QUALIFIERS

ND - The compound was not detected at the indicated concentration.

J - Mass spectral data indicates the presence of a compound that meets the identification criteria. The result is less than the specified detection limit but greater than zero. The concentration given is an approximate value.

B - The analyte was found in the laboratory blank as well as the sample. This indicates possible laboratory contamination of the environmental sample.

P - For dual column analysis, the percent difference between the quantitated concentrations on the two columns is greater than 40%.

* - For dual column analysis, the lowest quantitated concentration is being reported due to coeluting interference.

Client ID: **SSAW-3**
Site: Klockner & Klockner

Lab Sample No: **183831**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7708.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 20.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	280
Chloromethane	ND	280
Vinyl Chloride	ND	280
Bromomethane	ND	280
Chloroethane	ND	280
Trichlorofluoromethane	ND	280
1,1-Dichloroethene	ND	280
Methylene Chloride	ND	280
trans-1,2-Dichloroethene	ND	280
1,1-Dichloroethane	ND	280
cis-1,2-Dichloroethene	4100	280
Chloroform	ND	280
1,1,1-Trichloroethane	ND	280
Carbon Tetrachloride	ND	280
1,2-Dichloroethane	ND	280
Trichloroethene	5400	280
1,2-Dichloropropane	ND	280
Bromodichloromethane	ND	280
2-Chloroethyl Vinyl Ether	ND	280
cis-1,3-Dichloropropene	ND	280
trans-1,3-Dichloropropene	ND	280
1,1,2-Trichloroethane	ND	280
Tetrachloroethene	ND	280
Dibromochloromethane	ND	280
Chlorobenzene	ND	280
Bromoform	ND	280
1,1,2,2-Tetrachloroethane	ND	280
1,3-Dichlorobenzene	ND	280
1,4-Dichlorobenzene	ND	280
1,2-Dichlorobenzene	ND	280

Client ID: **SSAW-12**
Site: Klockner & Klockner

Lab Sample No: **183832**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7685.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	2400	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSAW-13**
Site: Klockner & Klockner

Lab Sample No: **183833**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7710.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 18.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	260
Chloromethane	ND	260
Vinyl Chloride	ND	260
Bromomethane	ND	260
Chloroethane	ND	260
Trichlorofluoromethane	ND	260
1,1-Dichloroethene	ND	260
Methylene Chloride	ND	260
trans-1,2-Dichloroethene	ND	260
1,1-Dichloroethane	ND	260
cis-1,2-Dichloroethene	470	260
Chloroform	ND	260
1,1,1-Trichloroethane	ND	260
Carbon Tetrachloride	ND	260
1,2-Dichloroethane	ND	260
Trichloroethene	5300	260
1,2-Dichloropropane	ND	260
Bromodichloromethane	ND	260
2-Chloroethyl Vinyl Ether	ND	260
cis-1,3-Dichloropropene	ND	260
trans-1,3-Dichloropropene	ND	260
1,1,2-Trichloroethane	ND	260
Tetrachloroethene	8300	260
Dibromochloromethane	ND	260
Chlorobenzene	ND	260
Bromoform	ND	260
1,1,2,2-Tetrachloroethane	ND	260
1,3-Dichlorobenzene	ND	260
1,4-Dichlorobenzene	ND	260
1,2-Dichlorobenzene	ND	260

Client ID: **SSAW-14**
Site: Klockner & Klockner

Lab Sample No: **183834**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7711.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 16.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	280
Chloromethane	ND	280
Vinyl Chloride	ND	280
Bromomethane	ND	280
Chloroethane	ND	280
Trichlorofluoromethane	ND	280
1,1-Dichloroethene	ND	280
Methylene Chloride	ND	280
trans-1,2-Dichloroethene	ND	280
1,1-Dichloroethane	ND	280
cis-1,2-Dichloroethene	ND	280
Chloroform	ND	280
1,1,1-Trichloroethane	ND	280
Carbon Tetrachloride	ND	280
1,2-Dichloroethane	ND	280
Trichloroethene	5500	280
1,2-Dichloropropane	ND	280
Bromodichloromethane	ND	280
2-Chloroethyl Vinyl Ether	ND	280
cis-1,3-Dichloropropene	ND	280
trans-1,3-Dichloropropene	ND	280
1,1,2-Trichloroethane	ND	280
Tetrachloroethene	4000	280
Dibromochloromethane	ND	280
Chlorobenzene	ND	280
Bromoform	ND	280
1,1,2,2-Tetrachloroethane	ND	280
1,3-Dichlorobenzene	ND	280
1,4-Dichlorobenzene	ND	280
1,2-Dichlorobenzene	ND	280

Client ID: **SSAW-15**
Site: Klockner & Klockner

Lab Sample No: **183835**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7714.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 11.1

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	360	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSAW-16**
Site: Klockner & Klockner

Lab Sample No: **183836**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7712.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 22.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	290
Chloromethane	ND	290
Vinyl Chloride	ND	290
Bromomethane	ND	290
Chloroethane	ND	290
Trichlorofluoromethane	ND	290
1,1-Dichloroethene	ND	290
Methylene Chloride	ND	290
trans-1,2-Dichloroethene	ND	290
1,1-Dichloroethane	ND	290
cis-1,2-Dichloroethene	ND	290
Chloroform	ND	290
1,1,1-Trichloroethane	ND	290
Carbon Tetrachloride	ND	290
1,2-Dichloroethane	ND	290
Trichloroethene	7600	290
1,2-Dichloropropane	ND	290
Bromodichloromethane	ND	290
2-Chloroethyl Vinyl Ether	ND	290
cis-1,3-Dichloropropene	ND	290
trans-1,3-Dichloropropene	ND	290
1,1,2-Trichloroethane	ND	290
Tetrachloroethene	ND	290
Dibromochloromethane	ND	290
Chlorobenzene	ND	290
Bromoform	ND	290
1,1,2,2-Tetrachloroethane	ND	290
1,3-Dichlorobenzene	ND	290
1,4-Dichlorobenzene	ND	290
1,2-Dichlorobenzene	ND	290

Client ID: **SSAW-D**
Site: Klockner & Klockner

Lab Sample No: **183837**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7713.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 100.0
% Moisture: 22.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	310
Chloromethane	ND	310
Vinyl Chloride	ND	310
Bromomethane	ND	310
Chloroethane	ND	310
Trichlorofluoromethane	ND	310
1,1-Dichloroethene	ND	310
Methylene Chloride	ND	310
trans-1,2-Dichloroethene	ND	310
1,1-Dichloroethane	ND	310
cis-1,2-Dichloroethene	ND	310
Chloroform	ND	310
1,1,1-Trichloroethane	ND	310
Carbon Tetrachloride	ND	310
1,2-Dichloroethane	ND	310
Trichloroethene	9400	310
1,2-Dichloropropane	ND	310
Bromodichloromethane	ND	310
2-Chloroethyl Vinyl Ether	ND	310
cis-1,3-Dichloropropene	ND	310
trans-1,3-Dichloropropene	ND	310
1,1,2-Trichloroethane	ND	310
Tetrachloroethene	ND	310
Dibromochloromethane	ND	310
Chlorobenzene	ND	310
Bromoform	ND	310
1,1,2,2-Tetrachloroethane	ND	310
1,3-Dichlorobenzene	ND	310
1,4-Dichlorobenzene	ND	310
1,2-Dichlorobenzene	ND	310

Client ID: **SSAW-17**
Site: Klockner & Klockner

Lab Sample No: **183838**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7720.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 22.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	ND	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSFS-3A**
Site: **Klockner & Klockner**

Lab Sample No: 183839
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: SOLID
Level: LOW
% Moisture: 37.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	841	1.7		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSFS-3B**
Site: Klockner & Klockner

Lab Sample No: **183840**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7721.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	710	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

Client ID: **SSFS-3C**
Site: **Klockner & Klockner**

Lab Sample No: 183841
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: SOLID
Level: LOW
% Moisture: 18.1

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	373	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **FBA0200**
Site: Klockner & Klockner

Lab Sample No: **183842**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/25/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7678.d

Matrix: WATER
Level: MED
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dichlorodifluoromethane	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

Client ID: **FBA0200**
Site: **Klockner & Klockner**

Lab Sample No: 183842
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	2.1		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **TBA0200**
Site: Klockner & Klockner

Lab Sample No: **183843**
Lab Job No: X456

Date Sampled: 02/15/00
Date Received: 02/16/00
Date Analyzed: 02/29/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held7722.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner & Klockner
PROJECT NO: 95-03-02 T202
LABORATORY: ENVIROTECH RESEARCH

SITE ADDRESS: 10 Stickle Ave, Rockaway, NJ
SAMPLE DATE: Feb 15, 2000
SAMPLER(S): Cheryl L. Coffee

X456

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED		PRESER-VATIVE	NO. OF CONT.	SPECIAL INSTRUCTIONS
13:10	Alleyway	SSAW-3	4-4.5'	soil	PHAL	183831	MeOH	2	PHAL by 8021
10:35	Alleyway/Bldg	SSAW-12	1-1.5'	soil	PHAL	183832	MeOH	2	CLP Package
12:00	Alleyway/Bldg	SSAW-13	1.5-2'	soil	PHAL	183833	MeOH	2	
11:20	Alleyway/Bldg	SSAW-14	4.5-5'	soil	PHAL	183834	MeOH	2	
15:45	Alleyway/Bldg	SSAW-15	4.5-5	soil	PHAL	183835	MeOH	2	
12:30	Alleyway/Bldg	SSAW-16	1.5-2'	soil	PHAL	183836	MeOH	2	
12:35	Alleyway/Bldg	SSAW-D	1.5-2'	soil	PHAL	183837	MeOH	~~1~~	
13:40	Alleyway/HVI	SSAW-17	4-4.5	soil	PHAL	183838	MeOH	2	
12:50	Drum Storage	SSFS-3A	0-0.5'	soil	Lead	183839	Ice	1	
12:52	Drum Storage	SSFS-3B	1.5-2'	soil	PHAL	183840	MeOH	2	
12:55	Drum Storage	SSFS-3C	2-2.5'	soil	Lead	183841	Ice	1	Hold* Activated 2/23/00 per Cheryl Coffee
14:50	Field Blank	FBA0200	—	H_2O	PHAL	183842	Ice	2	
14:50	Field Blank	FBA0200	—	H_2O	Lead	↓	HNO_3	1	
—	Trip Blank	TBA0200	—	~~H_2O~~ MeOH	PHAL	183843	HCL	2	

RELINQUISHED BY: Cheryl L. Coffee DATE: 2/16/00 TIME: 0820 RECEIVED BY: [illegible] DATE: 2/16/00 TIME: 0820

RELINQUISHED BY: [illegible] DATE: 2/16/00 TIME: 1000 RECEIVED BY: [illegible] DATE: 2/16/00 TIME: 1000

ANALYTICAL PARAMETER IDENTIFICATION KEY:
PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH

TOTAL NO. CONTAINERS_____

The Whitman Companies
44 West Ferris Street
East Brunswick, NJ 08816
908-390-5858

301526

ATTACHMENT 18

ANALYTICAL DATA SHEETS

8/16/00 – JOB #C924

301528

RECEIVED
8 2000
The Whitman Companies, Inc.

SEVERN TRENT SERVICES

STL Edison
777 New Durham Road
Edison, NJ 08817

Tel: 732-549-3900
Fax: 732-549-3679
www.stl-inc.com

September 11, 2000

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: C924 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on August 17, 2000:

Lab No.	Client ID	Analysis Required
223537	SSAW-18	Purgeable Halocarbons – Method 8021
223538	SSAW-19	Purgeable Halocarbons – Method 8021
223539	SSAW-21	Purgeable Halocarbons – Method 8021
223540	SSAW-22	Purgeable Halocarbons – Method 8021
223541	SSAW-24	Purgeable Halocarbons – Method 8021
223542	SSAW-25	Purgeable Halocarbons – Method 8021
223543	SSAW-26	Purgeable Halocarbons – Method 8021
223544	SSFS-7A	Pb
223550	SSNDS-9A	Purgeable Halocarbons – Method 8021
223551	SSNDS-9B	Purgeable Halocarbons – Method 8021
223552	SSNDS-DUP816	Purgeable Halocarbons – Method 8021

301529

SEVERN TRENT SERVICES

Lab No.	Client ID	Analysis Required
223553	SSFS-DUP816	Pb
223554	SSNDS-10A	Purgeable Halocarbons – Method 8021
223555	SSNDS-10B	Purgeable Halocarbons – Method 8021
223556	SSNDS-10C	Purgeable Halocarbons – Method 8021
223559	SSFA-1R	Purgeable Halocarbons – Method 8021
223560	FB-081600	Purgeable Halocarbons – Method 8021 Pb
223561	Trip_Blank	Purgeable Halocarbons – Method 8021

An invoice for our services is also enclosed. If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301530

Client ID: **SSAW-18**
Site: Klockner & Klockner

Lab Sample No: **223537**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8345.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.9

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSAW-19**
Site: Klockner & Klockner

Lab Sample No: **223538**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8346.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	470	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSAW-21**
Site: Klockner & Klockner

Lab Sample No: **223539**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8347.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSAW-22**
Site: Klockner & Klockner

Lab Sample No: **223540**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8348.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.2

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	1200	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSAW-24**
Site: Klockner & Klockner

Lab Sample No: **223541**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8349.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	310	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSAW-25**
Site: Klockner & Klockner

Lab Sample No: **223542**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/22/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8350.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 10.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSAW-26**
Site: Klockner & Klockner

Lab Sample No: **223543**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8375.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 9.4

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSFS-7A**
Site: **Klockner & Klockner**

Lab Sample No: 223544
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: SOLID
Level: LOW
% Moisture: 16.6

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	145	1.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

301538

o

Client ID: **SSNDS-9A**
Site: Klockner & Klockner

Lab Sample No: **223550**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8376.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 21.8

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	190	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

Client ID: **SSNDS-9B**
Site: Klockner & Klockner

Lab Sample No: **223551**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8377.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 8.3

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **SSNDS-DUP816**
Site: Klockner & Klockner

Lab Sample No: **223552**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8378.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 19.9

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	ND	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	ND	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSFS-DUP816**
Site: **Klockner & Klockner**

Lab Sample No: 223553
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: SOLID
Level: LOW
% Moisture: 16.4

METALS ANALYSIS

Analyte	Analytical Result Units: mg/kg (Dry Weight)	Instrument Detection Limit	Qual	M
Lead	111	1.4		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **SSNDS-10A**
Site: Klockner & Klockner

Lab Sample No: **223554**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8380.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 25.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	150
Chloromethane	ND	150
Vinyl Chloride	ND	150
Bromomethane	ND	150
Chloroethane	ND	150
Trichlorofluoromethane	ND	150
1,1-Dichloroethene	ND	150
Methylene Chloride	ND	150
trans-1,2-Dichloroethene	ND	150
1,1-Dichloroethane	ND	150
cis-1,2-Dichloroethene	ND	150
Chloroform	ND	150
1,1,1-Trichloroethane	ND	150
Carbon Tetrachloride	ND	150
1,2-Dichloroethane	ND	150
Trichloroethene	220	150
1,2-Dichloropropane	ND	150
Bromodichloromethane	ND	150
2-Chloroethyl Vinyl Ether	ND	150
cis-1,3-Dichloropropene	ND	150
trans-1,3-Dichloropropene	ND	150
1,1,2-Trichloroethane	ND	150
Tetrachloroethene	ND	150
Dibromochloromethane	ND	150
Chlorobenzene	ND	150
Bromoform	ND	150
1,1,2,2-Tetrachloroethane	ND	150
1,3-Dichlorobenzene	ND	150
1,4-Dichlorobenzene	ND	150
1,2-Dichlorobenzene	ND	150

Client ID: **SSNDS-10B**
Site: Klockner & Klockner

Lab Sample No: **223555**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8381.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 14.5

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	130
Chloromethane	ND	130
Vinyl Chloride	ND	130
Bromomethane	ND	130
Chloroethane	ND	130
Trichlorofluoromethane	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	130
trans-1,2-Dichloroethene	ND	130
1,1-Dichloroethane	ND	130
cis-1,2-Dichloroethene	ND	130
Chloroform	ND	130
1,1,1-Trichloroethane	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
2-Chloroethyl Vinyl Ether	ND	130
cis-1,3-Dichloropropene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
Tetrachloroethene	ND	130
Dibromochloromethane	ND	130
Chlorobenzene	ND	130
Bromoform	ND	130
1,1,2,2-Tetrachloroethane	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
1,2-Dichlorobenzene	ND	130

Client ID: **SSNDS-10C**
Site: Klockner & Klockner

Lab Sample No: **223556**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8382.d

Matrix: SOIL
Level: HIGH
Sample Weight: 12 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.3

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	110
Chloromethane	ND	110
Vinyl Chloride	ND	110
Bromomethane	ND	110
Chloroethane	ND	110
Trichlorofluoromethane	ND	110
1,1-Dichloroethene	ND	110
Methylene Chloride	ND	110
trans-1,2-Dichloroethene	ND	110
1,1-Dichloroethane	ND	110
cis-1,2-Dichloroethene	ND	110
Chloroform	ND	110
1,1,1-Trichloroethane	ND	110
Carbon Tetrachloride	ND	110
1,2-Dichloroethane	ND	110
Trichloroethene	ND	110
1,2-Dichloropropane	ND	110
Bromodichloromethane	ND	110
2-Chloroethyl Vinyl Ether	ND	110
cis-1,3-Dichloropropene	ND	110
trans-1,3-Dichloropropene	ND	110
1,1,2-Trichloroethane	ND	110
Tetrachloroethene	ND	110
Dibromochloromethane	ND	110
Chlorobenzene	ND	110
Bromoform	ND	110
1,1,2,2-Tetrachloroethane	ND	110
1,3-Dichlorobenzene	ND	110
1,4-Dichlorobenzene	ND	110
1,2-Dichlorobenzene	ND	110

Client ID: **SSFA-1R**
Site: Klockner & Klockner

Lab Sample No: **223559**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8383.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 3.7

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **FB-081600**
Site: Klockner & Klockner

Lab Sample No: **223560**
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8374.d

Matrix: WATER
Level: MED
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dichlorodifluoromethane	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

Client ID: **FB-081600**
Site: **Klockner & Klockner**

Lab Sample No: 223560
Lab Job No: C924

Date Sampled: 08/16/00
Date Received: 08/17/00

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Lead	ND	2.3		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

Client ID: **Trip Blank**
Site: Klockner & Klockner

Lab Sample No: **223561**
Lab Job No: C924

Date Sampled: 08/15/00
Date Received: 08/17/00
Date Analyzed: 08/28/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8384.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, New Jersey 08816
Phone: (732) 390-5858 Fax: (732) 390-9496

CHAIN OF CUSTODY / ANALYSIS REQUEST

301550

Project Manager: Mike Metliz
Samplers Name (Printed): Cheryl Coffee
Site/Project Identification: Klockner & Klockner
Project #: 95-03-02
State (Location of site): NJ: ☒ NY: ☐ Other:
Regulatory Program: EPA
Site Address: Rockaway Boro, NJ
Special Instructions:

Analysis Turnaround Time
Standard ☒
Rush Charges Authorized For:
2 Week ☐
1 Week ☐
Other ☐

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: C924

Area of Concern	Sample ID	Depth	Date	Time	Matrix	No. of Cont.	PHAL	Lead	Sample Numbers
Bldg 12 Alleyway	SSAW-18	1.5-2'	8/16/00	12:55	Soil	2	✓		223537
Bldg 12 Alleyway	SSAW-19	0.5-1'	8/16/00	10:45	Soil	2	✓		223538
Bldg 12 Alleyway	SSAW-20	1.5-2'		10:00	Soil	2	✓		223539
Bldg 12 Alleyway	SSAW-22	0.5-1'		15:00	Soil	2	✓		223540
Bldg 12 Alleyway	SSAW-23	1-1.5'		11:45	Soil	2	✓		—
Bldg 12 Alleyway	SSAW-24	1-1.5'		11:30	Soil	2	✓		223541
Bldg 12 Alleyway	SSAW-25	1-1.5'		11:15	Soil	2	✓		223542
Bldg 12 Alleyway	SSAW-26	1-1.5'		12:15	Soil	2	✓		223543
									—
			8/16/00						—

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = MeOH, 7 = Other _____

Soil: 6
Water:

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Cheryl Coffee	Whitman	8-17-00 12:01	1) John C Wentler	STL
2) John C Wentler	STL	8-17 0013:18	2) [illegible]	STL

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, New Jersey 08816
Phone: (732) 390-5858 Fax: (732) 390-9496

CHAIN OF CUSTODY / ANALYSIS REQUEST

301551

Project Manager: Mike Metliz
Samplers Name (Printed): Cheryl Coffee
Site/Project Identification: Klockner & Klockner
Project #: 95-03-02
State (Location of site): NJ: [X] NY: [ ] Other:
Regulatory Program: EPA
Site Address: Rockaway Boro, NJ
Special Instructions:

Analysis Turnaround Time
Standard [X]
Rush Charges Authorized For
2 Week [ ]
1 Week [ ]
Other [ ]

ANALYSIS REQUESTED (ENTER "X" BELOW TO INDICATE REQUEST)

LAB USE ONLY
Project No:
Job No: C924

Area of Concern	Sample ID	Depth	Date	Time	Matrix	No. of Cont.	PHAL	Lead	Contingent Lead	Sample Numbers
Bldg 12 Former Shed	SSFS-7A	0-0.5'	8/16/00	13:00	Soil	1		✓		223544
Bldg 12 Former Shed	SSFS-7B	2-2.5'		13:05	Soil	1			✓	223545
"	SSFS-7C	7-7.5		13:06	Soil	1			✓	223546
"	SSFS-8A	0-0.5'		13:10	Soil	1			✓	223547
"	SSFS-8B	2-2.5'		13:15	Soil	1			✓	223548
"	SSFS-8C	7-7.5	8/16/00	13:16	Soil	1			✓	223549
Bldg 12 North Drum Stor	SSNDS-9A	1.5-2'	8/16/00	14:00	Soil	2	✓			223550
"	SSNDS-9B	4.5-5'	8/16/00	14:05	Soil	2	✓			223551
"	SSNDS-DUP(8/16)	1.5-2'	8/16/00	14:10	Soil	2	✓			223552
Bldg 12 Former Shed	SSFS-DUP(8/16)	0-0.5'	8/16/00	13:01	Soil	1		✓		223553
					Soil:		6	1	1	
					Water:					

Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH
6 = MeOH, 7 = Other _____

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Cheryl Coffee	Whitman	8/17/00 12:10	1) [illegible]	STL
2) [illegible]	STL	8/17/00 3:18	2) [illegible]	STL

PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

G:\Forms\Field Sampling Forms\Whitman - NewCOC.xls

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The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, New Jersey 08816
Phone: (732) 390-5858 Fax: (732) 390-9496

CHAIN OF CUSTODY / ANALYSIS REQUEST

301552

Project Manager: Mike Metliz
Samplers Name (Printed): Cheryl Coffee
Site/Project Identification: Klockner & Klockner
Project #: 9[illegible]-03-02
State (Location of site): NJ: ☑ NY: ☐ Other:
Regulatory Program: EPA
Site Address: Rockaway Boro, NJ
Special Instructions:

Analysis Turnaround Time
Standard ☑
Rush Charges Authorized For:
2 Week ☐
1 Week ☐
Other ☐

LAB USE ONLY
Project No:
Job No: C924

Area of Concern	Sample ID	Depth	Date	Time	Matrix	No. of Cont.	DHAL	Chlorinated SHAL	Lead	Sample Numbers
Bldg 12 North Drum Storage	SSNDS-10A	1-1.5'	8/16/00	13:20	Soil	2	✓			223554
"	SSNDS-10B	4.5-5.0	8/16/00	13:30	Soil	2	✓			223555
"	SSNDS-10C	7-7.5'	8/16/00	13:35	Soil	2	✓			223556
Bldg 12 "	SSNDS-11A	1-1.5'	8/16/00	13:40	Soil	2		✓		223557
"	SSNDS-11B	4.5-5'	8/16/00	13:45	Soil	2		✓		223558
Bldg 13 Fence Area	SSFA-1R	5-5.5'	8/16/00	15:20	Soil	2	✓			223559
Field Blank	FB-081600	-	8/16/00	14:45	H_2O	3	✓		✓	223560
Trip Blank	TB-081600	-	8/16/00	-	~~H_2O~~ MeOH	1	✓			223561
			15							
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH; 6 = MeOH, 7 = Other _____					Soil:		6	6	4	
					Water:					

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Cheryl Coffee	Whitman	8/17/00 12:10	1) [illegible]	STL
2) [illegible]	STL	8-17-00 3:18	2) [illegible]	STL

PHC: PETROLEUM HYDROCARBONS
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ATTACHMENT 19

ANALYTICAL DATA SHEETS

10/9/00 – JOB #E510

301554

SEVERN TRENT SERVICES

STL Edison
777 New Durham Road
Edison, NJ 08817
Tel: 732-549-3900
Fax: 732-549-3679
www.stl-inc.com

October 26, 2000

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, NJ 08816

Attention: Mr. Michael Metlitz

Re: E510 - Klockner & Klockner

Dear Mr. Metlitz:

Enclosed are the results you requested for the following sample(s) received at our laboratory on October 09, 2000:

Lab No.	Client ID	Analysis Required
234142	Trip_Blank	Purgeable Halocarbons
234143	FB100900	Purgeable Halocarbons
234144	SSAW-23_1-1.5	Purgeable Halocarbons
234145	SSAW-Dup_1-1.5	Purgeable Halocarbons

If you have any questions please contact your Project Manager, Brian Reddy, at (732) 549-3900.

Very truly yours,

Michael J. Urban
Laboratory Manager

301555

Client ID: **Trip_Blank**
Site: Klockner & Klockner

Lab Sample No: **234142**
Lab Job No: E510

Date Sampled: 10/09/00
Date Received: 10/09/00
Date Analyzed: 10/13/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8532.d

Matrix: SOIL
Level: HIGH
Sample Weight: 10 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 0.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	120
Chloromethane	ND	120
Vinyl Chloride	ND	120
Bromomethane	ND	120
Chloroethane	ND	120
Trichlorofluoromethane	ND	120
1,1-Dichloroethene	ND	120
Methylene Chloride	ND	120
trans-1,2-Dichloroethene	ND	120
1,1-Dichloroethane	ND	120
cis-1,2-Dichloroethene	ND	120
Chloroform	ND	120
1,1,1-Trichloroethane	ND	120
Carbon Tetrachloride	ND	120
1,2-Dichloroethane	ND	120
Trichloroethene	ND	120
1,2-Dichloropropane	ND	120
Bromodichloromethane	ND	120
2-Chloroethyl Vinyl Ether	ND	120
cis-1,3-Dichloropropene	ND	120
trans-1,3-Dichloropropene	ND	120
1,1,2-Trichloroethane	ND	120
Tetrachloroethene	ND	120
Dibromochloromethane	ND	120
Chlorobenzene	ND	120
Bromoform	ND	120
1,1,2,2-Tetrachloroethane	ND	120
1,3-Dichlorobenzene	ND	120
1,4-Dichlorobenzene	ND	120
1,2-Dichlorobenzene	ND	120

Client ID: **FB100900**
Site: Klockner & Klockner

Lab Sample No: **234143**
Lab Job No: E510

Date Sampled: 10/09/00
Date Received: 10/09/00
Date Analyzed: 10/13/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8535.d

Matrix: WATER
Level: MED
Purge Volume: 5.0 ml
Final Volume: 0.0 mL
Dilution Factor: 1.0

VOLATILE ORGANICS - GC

Parameter	Analytical Result Units: ug/l	Quantitation Limit Units: ug/l
Dichlorodifluoromethane	ND	1.0
Chloromethane	ND	1.0
Vinyl Chloride	ND	1.0
Bromomethane	ND	1.0
Chloroethane	ND	1.0
Trichlorofluoromethane	ND	1.0
1,1-Dichloroethene	ND	1.0
Methylene Chloride	ND	1.0
trans-1,2-Dichloroethene	ND	1.0
1,1-Dichloroethane	ND	1.0
cis-1,2-Dichloroethene	ND	1.0
Chloroform	ND	1.0
1,1,1-Trichloroethane	ND	1.0
Carbon Tetrachloride	ND	1.0
1,2-Dichloroethane	ND	1.0
Trichloroethene	ND	1.0
1,2-Dichloropropane	ND	1.0
Bromodichloromethane	ND	1.0
2-Chloroethyl Vinyl Ether	ND	1.0
cis-1,3-Dichloropropene	ND	1.0
trans-1,3-Dichloropropene	ND	1.0
1,1,2-Trichloroethane	ND	1.0
Tetrachloroethene	ND	1.0
Dibromochloromethane	ND	1.0
Chlorobenzene	ND	1.0
Bromoform	ND	1.0
1,1,2,2-Tetrachloroethane	ND	1.0
1,3-Dichlorobenzene	ND	1.0
1,4-Dichlorobenzene	ND	1.0
1,2-Dichlorobenzene	ND	1.0

Client ID: **SSAW-23_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **234144**
Lab Job No: E510

Date Sampled: 10/09/00
Date Received: 10/09/00
Date Analyzed: 10/13/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8533.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 15.0

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	350	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	280	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

Client ID: **SSAW-Dup_1-1.5**
Site: Klockner & Klockner

Lab Sample No: **234145**
Lab Job No: E510

Date Sampled: 10/09/00
Date Received: 10/09/00
Date Analyzed: 10/13/00
GC Column: DB624
Instrument ID: VOAGC2.i
Lab File ID: held8534.d

Matrix: SOIL
Level: HIGH
Sample Weight: 11 g
Methanol Ext. Volume: 25.0 ml
Ext. Dilution Factor: 50.0
% Moisture: 17.6

VOLATILE ORGANICS - GC

Parameter	Analytical Results Units: ug/kg (Dry Weight)	Quantitation Limit Units: ug/kg
Dichlorodifluoromethane	ND	140
Chloromethane	ND	140
Vinyl Chloride	ND	140
Bromomethane	ND	140
Chloroethane	ND	140
Trichlorofluoromethane	ND	140
1,1-Dichloroethene	ND	140
Methylene Chloride	ND	140
trans-1,2-Dichloroethene	ND	140
1,1-Dichloroethane	ND	140
cis-1,2-Dichloroethene	ND	140
Chloroform	ND	140
1,1,1-Trichloroethane	ND	140
Carbon Tetrachloride	ND	140
1,2-Dichloroethane	ND	140
Trichloroethene	210	140
1,2-Dichloropropane	ND	140
Bromodichloromethane	ND	140
2-Chloroethyl Vinyl Ether	ND	140
cis-1,3-Dichloropropene	ND	140
trans-1,3-Dichloropropene	ND	140
1,1,2-Trichloroethane	ND	140
Tetrachloroethene	270	140
Dibromochloromethane	ND	140
Chlorobenzene	ND	140
Bromoform	ND	140
1,1,2,2-Tetrachloroethane	ND	140
1,3-Dichlorobenzene	ND	140
1,4-Dichlorobenzene	ND	140
1,2-Dichlorobenzene	ND	140

The Whitman Companies, Inc.
44 West Ferris Street
East Brunswick, New Jersey 08816

CHAIN-OF-CUSTODY

PROJECT NAME: Klockner + Klockner
PROJECT NO: 950302N2
LABORATORY: S.T.L

SITE ADDRESS: Rockaway Borough, Morris County N.J.
SAMPLE DATE: 10/9/00
SAMPLER(S): E

DATE ESTO

SAMPLE TIME	SAMPLE LOCATION	SAMPLE ID#	SAMPLE DEPTH	SAMPLE MATRIX	ANALYSIS REQUESTED	PRESER-VATIVE	NO. OF CONT.	~~SPECIAL~~ ~~INSTRUCTIONS~~
—		FB	—	~~H2O~~ MEOH	VOC (8021b)		1	10/9/00 234142
1115		FB100900	—	H_2O	VOC		2	10/9/00 234143
1130		SSAW-23	1-1.5'	soil	VOC		2	10/9/00 234144
1130		SSAW-Dup	1-1.5'	soil	VOC		2	10/9/00 234145
							0	

RELINQUISHED BY: [signature] DATE 10/9/00 TIME: RECEIVED BY: [signature] DATE: 10/9/00 TIME 1320

RELINQUISHED BY: DATE: TIME: RECEIVED BY: DATE: TIME

ANALYTICAL PARAMETER IDENTIFICATION KEY:
PHC: PETROLEUM HYDROCARBONS
VOC: VOLATILE ORGANICS BY GC/MS WITH LIBRARY SEARCH
PAH: POLYCYCLIC AROMATIC HYDROCARBONS IN BASE NEUTRAL SCAN WITH LIBRARY SEARCH
BN: BASE NEUTRALS WITH LIBRARY SEARCH
AE: ACID EXTRACTABLES WITH LIBRARY SEARCH
PPM: PRIORITY POLLUTANT METALS
PP+40: PRIORITY POLLUTANT PLUS FORTY PEAKS

TOTAL NO. CONTAINERS _____

The Whitman Companies
44 West Ferris Street
East Brunswick, NJ 08816
908-390-5858

301560