Job No. 95-499.1 E

LOG OF TEST PIT TP-5

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	0.3' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	60 ppm
	X	S-2	DARK BROWN SAND WITH WOOD, BRICKS, METAL AND DARK GRAY ZONES OF PETROLEUM CONTAMINATION (STRONG FUEL OIL ODOR) (FILL)	605 ppm
5	X	S-3	5.5'	710 ppm
	X	S-4	GRAY BROWN CLAYEY SILT WITH SOME SAND 9.0'	0 ppm
10			BOTTOM OF EXPLORATION (TEST PIT CAVED)	

Completion Depth 9.0'

Depth to Water 5.5' (FLOWING FROM SIDEWALL)

LOG OF TEST PIT TP-5A

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	0.6' BROWN SILTY SAND WITH SOME BRICKS (FILL) 1.1' DARK GRAY ZONE OF THICK PETROLEUM (STRONG ODOR)	635 ppm
	X	S-2	DARK BROWN SAND WITH WOOD, BRICKS, METAL PIECES (FILL) 4.8'	8 ppm
5	X	S-3	GRAY BROWN CLAYEY SILT WITH SOME SAND 7.0'	0 ppm
10			BOTTOM OF EXPLORATION	

Completion Depth 7.0'

Depth to Water 4.8' (FLOWING FROM SIDEWALL)

S. W. COLE ENGINEERING, INC.

VIL_RESP02443

Job No. 95-499.1 E

LOG OF TEST PIT TP-6

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.5' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	BROWN SILTY SAND WITH WOOD, BRICKS, METAL (REBAR) (FILL)	0 ppm
5	X	S-2		0 ppm
			9.5'	
10	X	S-3	10.5' BROWN CLAYEY SILT WITH SOME SAND	0 ppm
			BOTTOM OF EXPLORATION (TEST PIT CAVED)	

Completion Depth 10.5'

Depth to Water 7.5' (FLOWING HEAVY FROM SIDEWALL)

LOG OF TEST PIT TP-7

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.5' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	BROWN SAND WITH SOME GRAVEL, WOOD, BRICKS AND ASH (FILL)	0 ppm
5	X	S-2	5.5'	0 ppm
			BOTTOM OF EXPLORATION	
10				

Completion Depth 5.5'

Depth to Water 3.0' (FLOWING HEAVY FROM SIDEWALL)

S. W. COLE ENGINEERING, INC.

VIL_RESP02444

Job No. _____

LOG OF TEST PIT TP-8

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.5' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	BROWN SILTY SAND WITH SOME GRAVEL, BRICKS, WOOD AND METAL (REBAR) (FILL)	0 ppm
	X	S-2	5.0'	0 ppm
5			BOTTOM OF EXPLORATION	
10				

Completion Depth 5.0'

Depth to Water 2.5' (FLOWING HEAVY FROM SIDEWALL)

LOG OF TEST PIT TP-9

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.2' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	BROWN SILTY SAND WITH BRICKS, WOOD, RUBBER, METAL (BARRELS, STEEL PIECES) AND ASH (FILL)	0 ppm
5	X	S-2		0 ppm
	X	S-3		0 ppm
10	X	S-4	12.0'	0 ppm
			REFUSAL (BEDROCK)	

Completion Depth 12.0'

Depth to Water NO FREE WATER OBSERVED

JOB NO. _____

LOG OF TEST PIT TP-10

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.5' BROWN SAND (FILL)	
	X	S-1	DARK BROWN SILTY SAND WITH BRICKS, WOOD, RUBBER, METAL (BARRELS AND STEEL PIECES) AND ASH (FILL)	0 ppm
5	X	S-2		0 ppm
	X	S-3		0 ppm
10			13.5'	
	X	S-4	14.8' BROWN SAND	
			REFUSAL (BEDROCK)	

Completion Depth 14.8'

Depth to Water NO FREE WATER OBSERVED

LOG OF TEST PIT TP-11

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	BROWN SILTY SAND WITH SOME BRICKS, WOOD, GLASS, METAL (BARRELS AND SHAVINGS) AND REDDISH BROWN ASH (FILL)	0 ppm
	X	S-2		0 ppm
5	X	S-3	6.5'	0 ppm
	X	S-4	GRAY BROWN CLAYEY SILT WITH SOME FINE SAND	0 ppm
			9.0'	
10			REFUSAL (BEDROCK)	

Completion Depth 9.0'

Depth to Water WATER SEEPING FROM SIDEWALL AT 8.0'

Job No. 95-499.1 2

LOG OF TEST PIT TP-12

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	0.2' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS) 1.5 BROWN SANDY GRAVEL (FILL)	0 ppm
5	X	S-2	DARK BROWN SILTY SAND WITH BRICKS, WOOD, ASPHALT SHINGLES AND ASH (FILL) 8.3'	0 ppm
10			REFUSAL (BEDROCK)	

Completion Depth 8.3'

Depth to Water NO FREE WATER OBSERVED

LOG OF TEST PIT TP-13

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.3' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	DARK BROWN SILTY SAND WITH BRICKS, WOOD, AND ASH (FILL) 5.0'	0 ppm
5	X	S-2	REDDISH BROWN SAND AND ASH WITH BRICKS (FILL) 9.0'	0 ppm
10	X	S-3	10.0' GRAY BROWN CLAYEY SILT WITH SOME SAND BOTTOM OF EXPLORATION	0 ppm

Completion Depth 10.0'

Depth to Water 9.0' (SEEPING FROM SIDEWALL)

Job No. 95-499.1 E

LOG OF TEST PIT TP-14

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.2' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	LIGHT BROWN SILTY SAND WITH BRICKS AND SOME COBBLES (FILL) 3.2'	0 ppm
5	X	S-2	DARK BROWN SILTY SAND WITH METAL PIECES AND BROWN ASH (FILL) 6.0'	0 ppm
10	X	S-3	BROWN SAND WITH SOME GRAVEL AND COBBLES (FILL) 11.0'	0 ppm
	X	S-4	12.0' GRAY BROWN CLAYEY SILT WITH SOME FINE SAND	0 ppm
			BOTTOM OF EXPLORATION	

Completion Depth 12.0'

Depth to Water WATER SEEPING FROM SIDEWALL AT 10.5'

LOG OF TEST PIT TP-15

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	1.5' BROWN SANDY GRAVEL (FILL)	0 ppm
	X	S-2	BROWN SAND AND WEATHERED ROCK 3.8'	0 ppm
5			REFUSAL (BEDROCK)	
10				

Completion Depth 3.8'

Depth to Water NO FREE WATER OBSERVED

S. W. COLE ENGINEERING, INC.

VIL_RESP02448

Job No. 95-4991 E

LOG OF TEST PIT TP-16

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.3' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	DARK BROWN SILTY SAND WITH WOOD, METAL AND BRICKS (FILL)	0 ppm
	X	S-2		0 ppm
5	X	S-3	BROWN CLAYEY SILT WITH SOME SAND	0 ppm
			BOTTOM OF EXPLORATION	
10				

Completion Depth 6.0'

Depth to Water 5.0'

LOG OF TEST PIT TP-17

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.4' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	1.5' BROWN SAND WITH SOME BLACK HARD OIL RESIDUE (FILL)	15 ppm
	X	S-2	BROWN CLAYEY SILT WITH SOME SAND 4.0'	0 ppm
5			BOTTOM OF EXPLORATION	
10				

Completion Depth 4.0'

Depth to Water NO FREE WATER OBSERVED

S. W. COLE ENGINEERING, INC.

VIL_RESP02449

LOG OF TEST PIT TP-18

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	0.4' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	10 ppm
			1.3' BROWN SAND WITH SOME BLACK HARD OIL RESIDUE (FILL)	
	X	S-2	BROWN CLAYEY SILT WITH SOME SAND	0 ppm
5			5.5'	
			BOTTOM OF EXPLORATION	
10				

Completion Depth 5.5'

Depth to Water 5.5'

LOG OF TEST PIT TP-19

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	0.3' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	0 ppm
			1.5' BROWN SILTY SAND WITH TRACE OF GRAVEL (FILL)	
	X	S-2	GRAY BROWN CLAYEY SILT WITH SOME FINE SAND	0 ppm
5			5.0'	
			BOTTOM OF EXPLORATION	
10				

Completion Depth 5.0'

Depth to Water 4.5'

Job No. 95-499.1 E

LOG OF TEST PIT TP-20

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	BROWN SILTY SAND WITH BRICKS AND ASH (FILL) 3.0'	0 ppm
	X	S-2	BROWN SILTY SAND	0 ppm
5	X	S-3	6.5'	0 ppm
			BOTTOM OF EXPLORATION	
10				

Completion Depth 6.5'

Depth to Water NO FREE WATER OBSERVED

LOG OF TEST PIT TP-21

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0	X	S-1	0.2' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS) 1.0' BROWN SANDY GRAVEL (FILL)	0 ppm
	X	S-2	BROWN SILTY SAND WITH SOME LEATHER, METAL, GLASS AND WOOD (FILL)	0 ppm
5			6.0'	
			BOTTOM OF EXPLORATION	
10				

Completion Depth 6.0'

Depth to Water NO FREE WATER OBSERVED

Job No. 95-499J E

LOG OF TEST PIT TP-22

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0				
	X	S-1	BROWN GRAVELLY SAND WITH SOME BRICKS AND COBBLES (FILL)	0 ppm
5	X	S-2		0 ppm
	X	S-3	8.0'	0 ppm
			REFUSAL (BEDROCK)	
10				

Completion Depth 8.0'

Depth to Water NO FREE WATER OBSERVED

LOG OF TEST PIT TP-23

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.7' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
	X	S-1	DARK BROWN SILTY SAND WITH BRICKS, METAL, WOOD (FILL)	0 ppm
	X	S-2	4.5'	0 ppm
5	X	S-3	5.5' BROWN SAND WITH TRACE OF GRAVEL (FILL)	0 ppm
	X	S-4	6.5' BROWN CLAYEY SILT WITH SOME SAND	0 ppm
			BOTTOM OF EXPLORATION	
10				

Completion Depth 6.5'

Depth to Water NO FREE WATER OBSERVED

Job No. [illegible]

LOG OF TEST PIT TP-24

DATE 11/13/95 SURFACE ELEV. _____ LOCATION SEE SHEET B-2

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0			0.5' BROWN ORGANIC TOPSOIL (GRASS AND ROOTS)	
			DARK BROWN SILTY SAND WITH BRICKS, METAL PIECES (FILL)	
	X	S-1	3.0'	0 ppm
5	X	S-2	REDDISH BROWN ASH WITH BRICKS AND SAND (FILL)	0 ppm
			8.0'	
10			BOTTOM OF EXPLORATION (TEST PIT CAVED)	

Completion Depth 8.0'

Depth to Water NO FREE WATER OBSERVED

LOG OF TEST PIT _____

DATE _____ SURFACE ELEV. _____ LOCATION _____

Depth (Ft.)	Symbol	Sample	Soil Description	PID Test Results (ppm)
0				
5				
10				

Completion Depth _____

Depth to Water _____

S. W. COLE ENGINEERING, INC.

VIL_RESP02453

APPENDIX H

APPENDIX H
Table H-1

Sample Origin	Sample	Depth (ft)	PID Reading (PPM)	Temp. (°F)
TP-1	S-1	1.0	ND	70
	S-2	2.5	ND	71
TP-2	S-1	1.0	ND	70
	S-2	4.0	ND	71
TP-3	S-1	1.0	ND	72
	S-2	2.0	ND	72
TP-4	S-1	2.0	ND	73
	S-2	6.0	ND	70
	S-3	8.5	ND	71
TP-5	S-1	1.0	60	72
	S-2	4.0	605	70
	S-3	5.0	710	71
	S-4	8.0	ND	69
TP-5A	S-1	1.0	635	72
	S-2	2.5	8.0	72
	S-3	5.5	ND	70
TP-6	S-1	1.5	ND	69
	S-2	5.0	ND	71
	S-3	10.0	ND	71
TP-7	S-1	2.0	ND	70
	S-2	5.0	ND	69
TP-8	S-1	1.0	ND	72
	S-2	4.5	ND	72
TP-9	S-1	1.5	ND	70
	S-2	5.5	ND	70
	S-3	8.0	ND	69
	S-4	11.5	ND	68
TP-10	S-1	2.0	ND	72
	S-2	6.0	ND	72
	S-3	8.5	ND	71
TP-11	S-1	2.0	ND	69
	S-2	4.5	ND	69
	S-3	6.0	ND	70
	S-4	8.0	ND	70
TP-12	S-1	1.0	ND	68
	S-2	5.0	ND	69
TP-13	S-1	3.0	ND	72
	S-2	5.5	ND	70
	S-3	9.5	ND	69
TP-14	S-1	2.5	ND	70
	S-2	5.0	ND	70
	S-3	9.5	ND	72
	S-4	11.5	ND	72

APPENDIX H
Table H-1

Sample Origin	Sample	Depth (ft)	PID Reading (PPM)	Temp. (°F)
TP-15	S-1	1.5	ND	70
	S-2	4.5	ND	71
TP-16	S-1	1.5	ND	70
	S-2	4.5	ND	70
	S-3	5.5	ND	69
TP-17	S-1	1.0	15.0	72
	S-2	3.0	ND	72
TP-18	S-1	1.0	10.0	71
	S-2	3.5	ND	71
TP-19	S-1	1.0	ND	70
	S-2	2.5	ND	70
TP-20	S-1	1.0	ND	69
	S-2	3.5	ND	69
	S-3	6.0	ND	69
TP-21	S-1	0.5	ND	72
	S-2	3.0	ND	71
TP-22	S-1	3.0	ND	73
	S-2	6.0	ND	73
	S-3	7.5	ND	72
TP-23	S-1	1.5	ND	70
	S-2	3.5	ND	71
	S-3	5.0	ND	70
	S-4	6.0	ND	70
TP-24	S-1	2.5	ND	71
	S-2	5.0	ND	71

ND = Non-Detect
ppm = Parts Per Million
°F = Degrees Fahrenheit
Ft. = Feet
Readings obtained w/MicroTIP MP-1000 calibrated with isobutylene gas to 100 ppm using MDEP polybag headspace method. Results are a direct reading from the PID, and MDEP set numbers were not used.

Table H-2

	Sample	Depth	PID Reading (PPM)	TEMP. (°F)
Contaminated Soil Excavation	S-1	1.0'	10	71
	S-2	2.5'	130	71
	S-3	4.0'	790	72
	S-4	5.5'	15	72
	S-5	4.0'	ND	70
	S-6	4.5'	ND	71
	S-7	6.0'	ND	72

ND = Non-Detect
ppm = Parts Per Million
°F = Degrees Fahrenheit
' = Feet
Readings obtained w/MicroTIP MP-1000 calibrated with isobutylene to 10 ppm isobutylene gas using MDEP polybag headspace method. Results are a direct reading from the PID, set numbers not used.

APPENDIX I

ENVIRONMENTAL DIAGNOSTIC LABORATORIES

DEC - 5 1995

FINAL REPORT

DATE:	12/01/1995
CUSTOMER:	SW COLE ENGINEERING #95-499.1E
SAMPLE DESCRIPTION:	SO. WINDHAM
PROJECT MANAGER:	GARY BUCKLIN
DATE RECEIVED:	11/14/1995
LAB SAMPLE NUMBER:	00006457

231 Front Street South Portland, ME 04106 207-767-2818 800-992-0150 FAX 767-6321

Environmental Diagnostic Laboratories

mple —— 00006457-001 Comment —— SW COLE ENGINEERING #95-499.1E
formation - SWC #1

OLLECTED : 11/13/1995 10:30 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

EST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST
uel Oil in Soil	8000	mg/Kg DW	1	MEDEP 4.1.2	11/20/1995 HMW

This analysis conducted by GC/FID.
Sample showed presence of hydrocarbon material of unknown identity. Chromatographic "fingerprint" is indicative of heavy molecular weight hydrocarbons. The "fingerprint" is atypical and does not resemble #2 Fuel Oil.

DEC - 5 1995

mple Extraction Date	11/20/1995	HMW

VIL_RESP02460

Environmental Diagnostic Laboratories

Sample —— 00006457-003 Comment ——SW COLE ENGINEERING #95-499.1E
Information : SWC #3

COLLECTED : 11/13/1995 11:45 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

TEST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST
Arsenic	13 √	mg/kg DW	0.5	SW 846 7060	12/01/1995 MLF
Cadmium	3 √	mg/kg DW	0.5	SW 846 6010	11/21/1995 MLF
Chromium	44 √	mg/kg DW	1.0	SW 846 6010	11/21/1995 MLF
Copper	779 HIGH	mg/kg DW	2.6	SW 846 6010	11/21/1995 MLF
Lead	78 √	mg/kg DW	2.6	SW 846 6010	11/21/1995 MLF
Nickel	152 √	mg/kg DW	2.6	SW 846 6010	11/21/1995 MLF
Silver	ND √	mg/kg DW	1.0	SW 846 6010	11/21/1995 MLF
Zinc	254 √	mg/kg DW	1.0	SW 846 6010	11/21/1995 MLF

VIL_RESP02461

Environmental Diagnostic Laboratories

Sample —— 00606457-004 Comment —— SW COLE ENGINEERING #95-499.1E
nformation - SWC #4

COLLECTED : 11/13/1995 12:15 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

TEST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST
*** VOLATILE ORGANIC COMPOUNDS + TCL					
Chloromethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Bromomethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Vinyl Chloride	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Chloroethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Methylene Chloride (Dichloromethane)	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Acetone (2-Propanone)	ND	ug/kg DW	62	SW 846 8240	11/16/1995 HMW
Carbon Disulfide	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
,1-Dichloroethene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
,1-Dichloroethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
,2-Dichloroethene (total)	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Chloroform (Trichloromethane)	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
,2-Dichloroethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
-Butanone (MEK)	ND	ug/kg DW	62	SW 846 8240	11/16/1995 HMW
,1,1-Trichloroethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Carbon Tetrachloride	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Vinyl Acetate	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Bromodichloromethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
,2-Dichloropropane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
is-1,3-Dichloropropene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HM
Trichloroethene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Dibromochloromethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
,1,2-Trichloroethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Benzene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
rans-1,3-Dichloropropene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Bromoform (Tribromomethane)	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
-Hexanone	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
-Methyl-2-Pentanone (MIBK)	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Tetrachloroethene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
,1,2,2-Tetrachloroethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Toluene (Methyl Benzene)	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Chlorobenzene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
thyl Benzene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Trichlorofluoromethane	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
-Chloroethylvinyl Ether	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
tyrene	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
Methyl tert-Butyl Ether	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW
otal Xylenes	ND	ug/kg DW	31	SW 846 8240	11/16/1995 HMW

VIL_RESP02462

Environmental Diagnostic Laboratories

ample —— 00006457-004 Comment ——SW COLE ENGINEERING #95-499.1E
nformation - SWC #4

COLLECTED : 11/13/1995 12:15 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

TEST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST
SAMPLE SURROGATE RECOVERIES					
,2-Dichloroethane-D4	106	%			11/16/1995 HMW
Toluene-D8	108	%			11/16/1995 HMW
4-Bromofluorobenzene	91	%			11/16/1995 HMW

VIL_RESP02463

Environmental Diagnostic Laboratories

ample —— 00006457-005 Comment —— SW COLE ENGINEERING #95-499.1E
aformation - SWC #5

COLLECTED : 11/13/1995 15:50 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

TEST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST	
Arsenic	19	mg/kg DW	0.5	SW 846 7060	12/01/1995	MLF
Cadmium	2	mg/kg DW	0.5	SW 846 6010	11/21/1995	MLF
Chromium	28	mg/kg DW	1.0	SW 846 6010	11/21/1995	MLF
Copper	43	mg/kg DW	3.4	SW 846 6010	11/21/1995	MLF
Lead	87	mg/kg DW	3.4	SW 846 6010	11/21/1995	MLF
Nickel	38	mg/kg DW	3.4	SW 846 6010	11/21/1995	MLF
Silver	ND	mg/kg DW	1.0	SW 846 6010	11/21/1995	MLF
Zinc	29	mg/kg DW	1.0	SW 846 6010	11/21/1995	MLF

VIL_RESP02464

Environmental Diagnostic Laboratories

ample —— 00006457-006 Comment —— SW COLE ENGINEERING #95-499.1E
formation - SWC #6

OLLECTED : 11/13/1995 16:10 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

EST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST
** ORGANOCHLORINE PESTICIDES & PCB'S					
ldrin	ND	ug/kg DW	100	SW 846 8080	11/22/1995
pha-BHC	ND	ug/kg DW	100	SW 846 8080	11/22/1995
eta-BHC	ND	ug/kg DW	100	SW 846 8080	11/22/1995
elta-BHC	ND	ug/kg DW	100	SW 846 8080	11/22/1995
amma-BHC (Lindane)	ND	ug/kg DW	100	SW 846 8080	11/22/1995
hlordane	ND	ug/kg DW	100	SW 846 8080	11/22/1995
,4'-DDD	ND	ug/kg DW	100	SW 846 8080	11/22/1995
,4'-DDE	ND	ug/kg DW	100	SW 846 8080	11/22/1995
,4'-DDT	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ieldrin	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndosulfan I	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndosulfan II	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndosulfan sulfate	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndrin	ND	ug/kg DW	100	SW 846 8080	11/22/1995
eptachlor	ND	ug/kg DW	100	SW 846 8080	11/22/1995
eptachlor epoxide	ND	ug/kg DW	100	SW 846 8080	11/22/1995
oxaphene	ND	ug/kg DW	100	SW 846 8080	11/22/1995
lethoxychlor	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndrin Aldehyde	ND	ug/kg DW	100	SW 846 8080	11/22/1995
rochlor-1016	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1221	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1232	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1242	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1248	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1254	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1260	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1262	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1268	ND	ug/kg DW	500	SW 846 8080	11/22/1995

xtraction Date 11/17/1995

*SUBCONTRACTED

VIL_RESP02465

Environmental Diagnostic Laboratories

ample 00006457-006 Comment ——SW COLE ENGINEERING #95-499.1E

VIL RESP02466

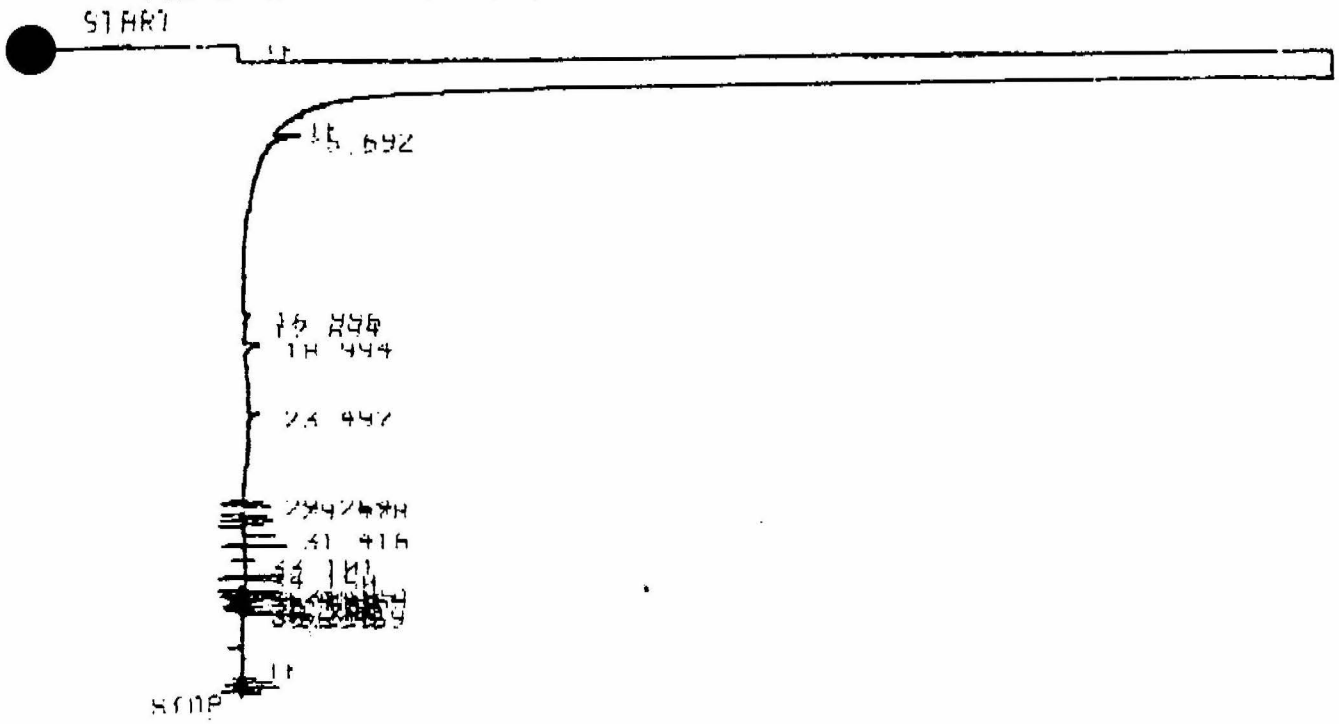
OL CTED : 11/13/1995 16:10 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

EST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST
** ORGANOCHLORINE PESTICIDES & PCB'S					
ldrin	ND	ug/kg DW	100	SW 846 8080	11/22/1995
pha-BHC	ND	ug/kg DW	100	SW 846 8080	11/22/1995
eta-BHC	ND	ug/kg DW	100	SW 846 8080	11/22/1995
elta-BHC	ND	ug/kg DW	100	SW 846 8080	11/22/1995
amma-BHC (Lindane)	ND	ug/kg DW	100	SW 846 8080	11/22/1995
hlordane	ND	ug/kg DW	100	SW 846 8080	11/22/1995
,4'-DDD	ND	ug/kg DW	100	SW 846 8080	11/22/1995
,4'-DDE	ND	ug/kg DW	100	SW 846 8080	11/22/1995
,4'-DDT	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ieldrin	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndosulfan I	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndosulfan II	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndosulfan sulfate	ND	ug/kg DW	100	SW 846 8080	11/22/1995
ndrin	ND	ug/kg DW	100	SW 846 8080	11/22/1995
eptachlor	ND	ug/kg DW	100	SW 846 8080	11/22/1995
eptachlor epoxide	ND	ug/kg DW	100	SW 846 8080	11/22/1995
oxaphene	ND	ug/kg DW	100	SW 846 8080	11/22/1995
fet ychlor	ND	ug/kg DW	100	SW 846 8080	11/22/1995
nd Aldehyde	ND	ug/kg DW	100	SW 846 8080	11/22/1995
rochlor-1016	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1221	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1232	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1242	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1248	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1254	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1260	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1262	ND	ug/kg DW	500	SW 846 8080	11/22/1995
rochlor-1268	ND	ug/kg DW	500	SW 846 8080	11/22/1995

xtraction Date 11/17/1995

*SUBCONTRACTED

* RUN # 221 NOV 20, 1995 10:07:37



Closing signal file M:SIGNAL .BNC

RUN# 221 NOV 20, 1995 10:07:37

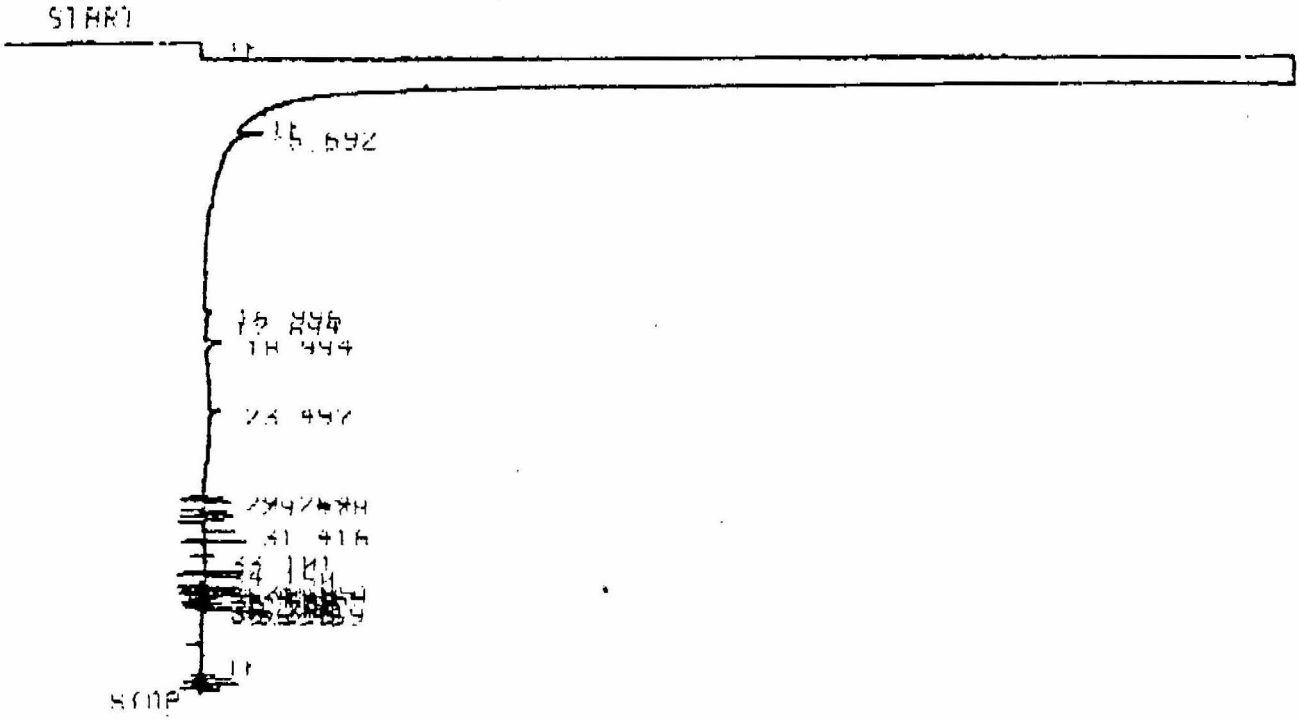
METHOD NAME: M*FUEL.MET

SIGNAL FILE: M:SIGNAL.BNC

2.SOL DI METHOD BLANK

VIL_RESP02467

RUN # 221 NOV 20, 1995 10:07:37



Closing signal file M:SIGNAL .BNC

RUN# 221 NOV 20, 1995 10:07:37

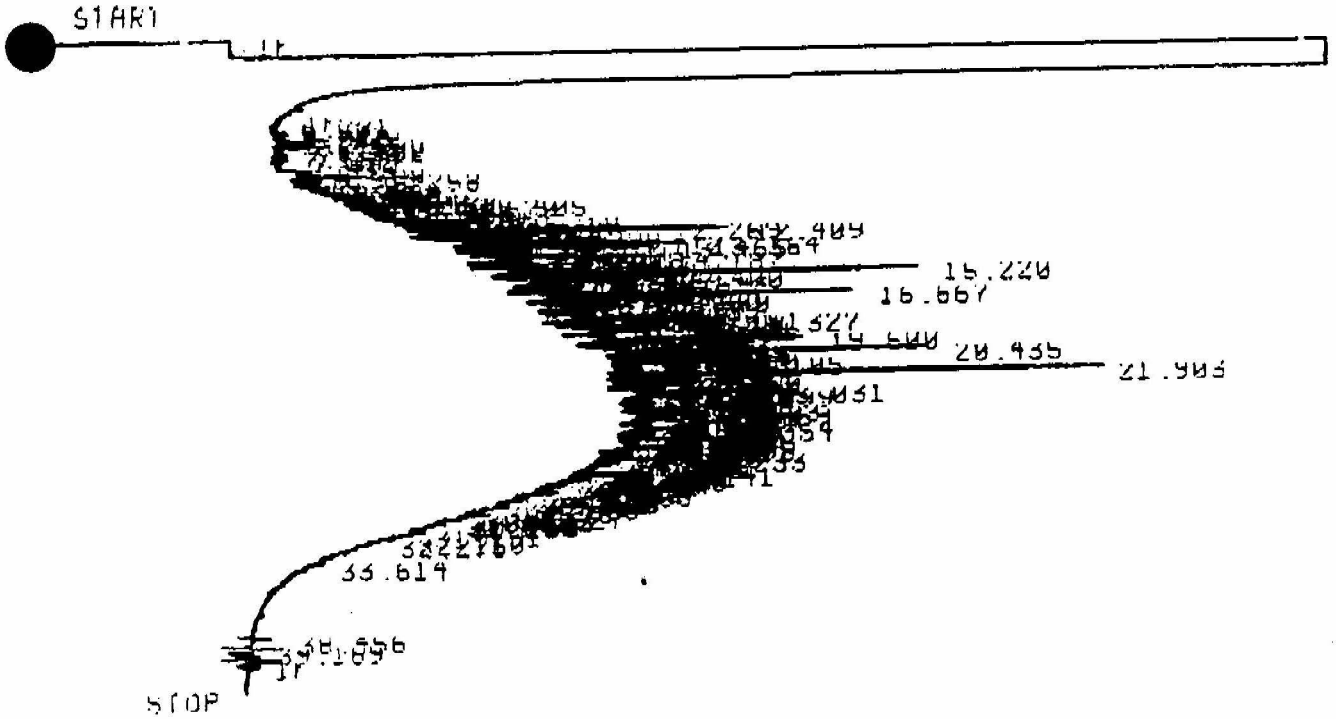
METHOD NAME: M*FUEL.MET

SIGNAL FILE: M:SIGNAL.BNC

2.SOL DI METHOD BLANK

VIL_RESP02468

* RUN # 227 NOV 20, 1995 15:38:47



Closing signal file M:SIGNAL .BNC

RUN# 227 NOV 20, 1995 15:38:47

METHOD NAME: M*FUEL.MET

SIGNAL FILE: M:SIGNAL.BNC

1.0UL DI 6457-001

VIL_RESP02469

Environmental Diagnostic Laboratories

mple —— 00006457-006 Comment —— SW COLE ENGINEERING #95-499.1E
formation - SWC #5

OLLECTED : 11/13/1995 16:10 BY : G. BUCKLIN RECEIVED : 11/14/1995 12:20

EST DESCRIPTION	RESULT	UNIT	DETECTION	METHOD#	TESTED/ANALYST

* ANALYSTS

HW HENRY M. WHEAT

LF MICHELE L. FEROAH

AC MICHAEL A. CHILCOTE

) WHEN REPORTED IN THE RESULT COLUMN INDICATES THAT THE PARAMETER BEING ANALYZED WAS NOT DETECTED.

Method Detection Limits (MDL's) are calculated in accordance with 40 CFR Part 136, Appendix B.

KEY TO METHOD REFERENCES:

STDM- "Standard Methods for the Examinaton of Water & Wastewater" APHA 17th Edition

USEPA- "Methods of Chemical Analysis of Water & Wastes" USEPA, EMSL-Cincinnati (EPA600/4-79-020) 1983

SW-846- "Test Methods for Evaluating Solid Waste" USEPA Office of Solid Waste & Emergency Response 1986

HANK WHEAT

Laboratory Director

12/1/95
Date

VIL_RESP02470