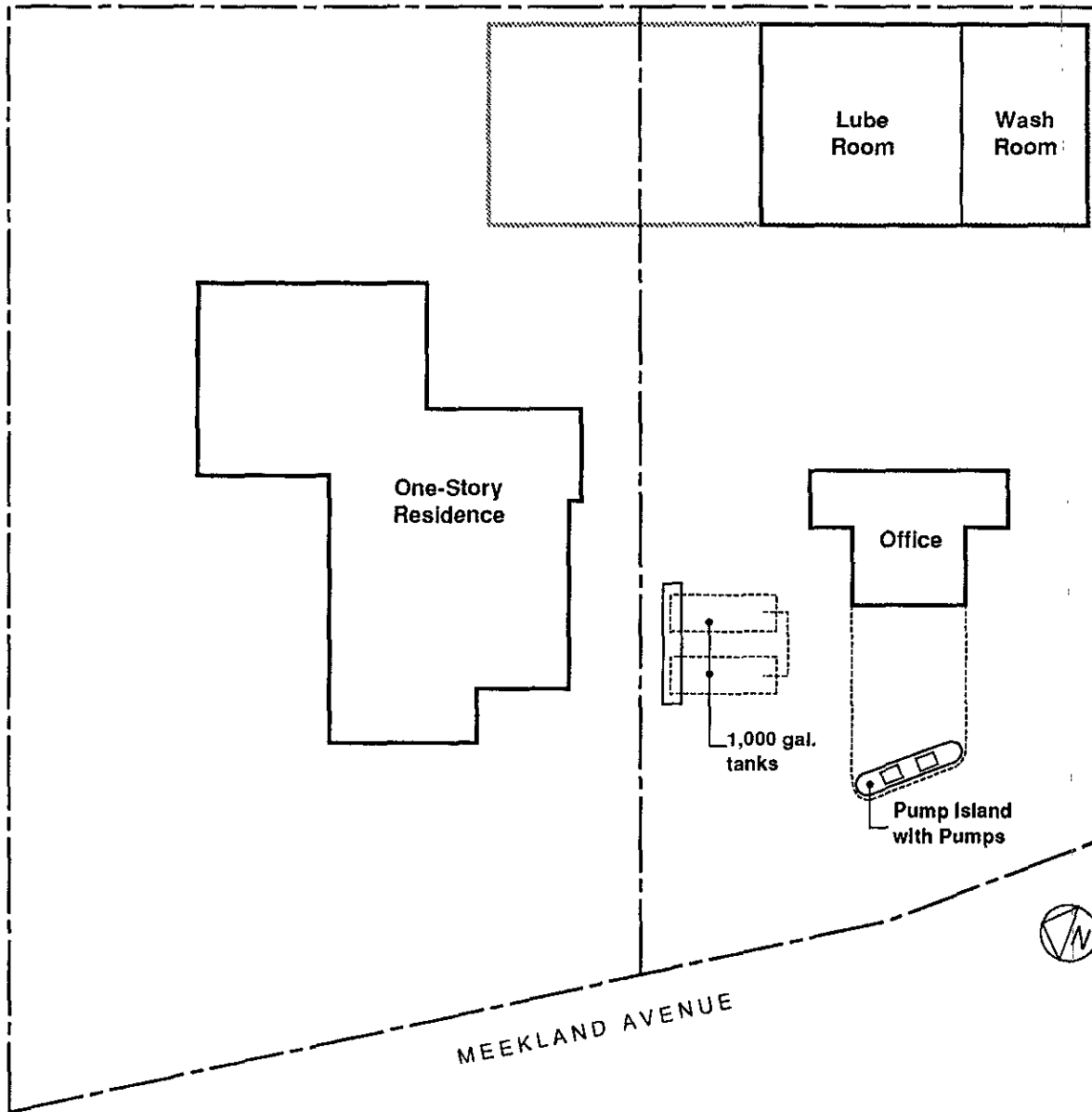


CTTS, Inc.
toxic technology services

PLATES



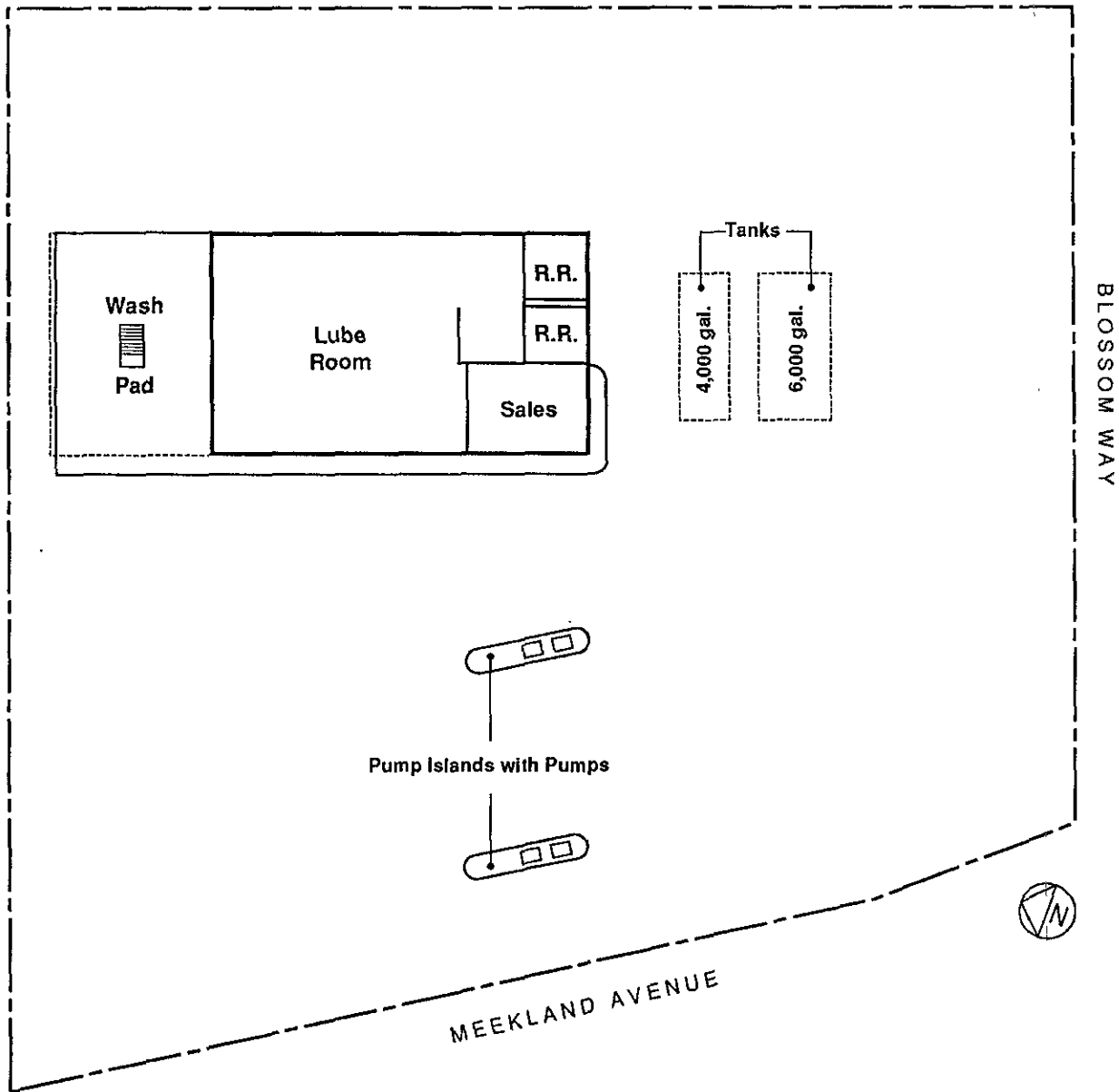
Durham Transportation - Site Plan 1946

Plate No.: 1

Date: July 90

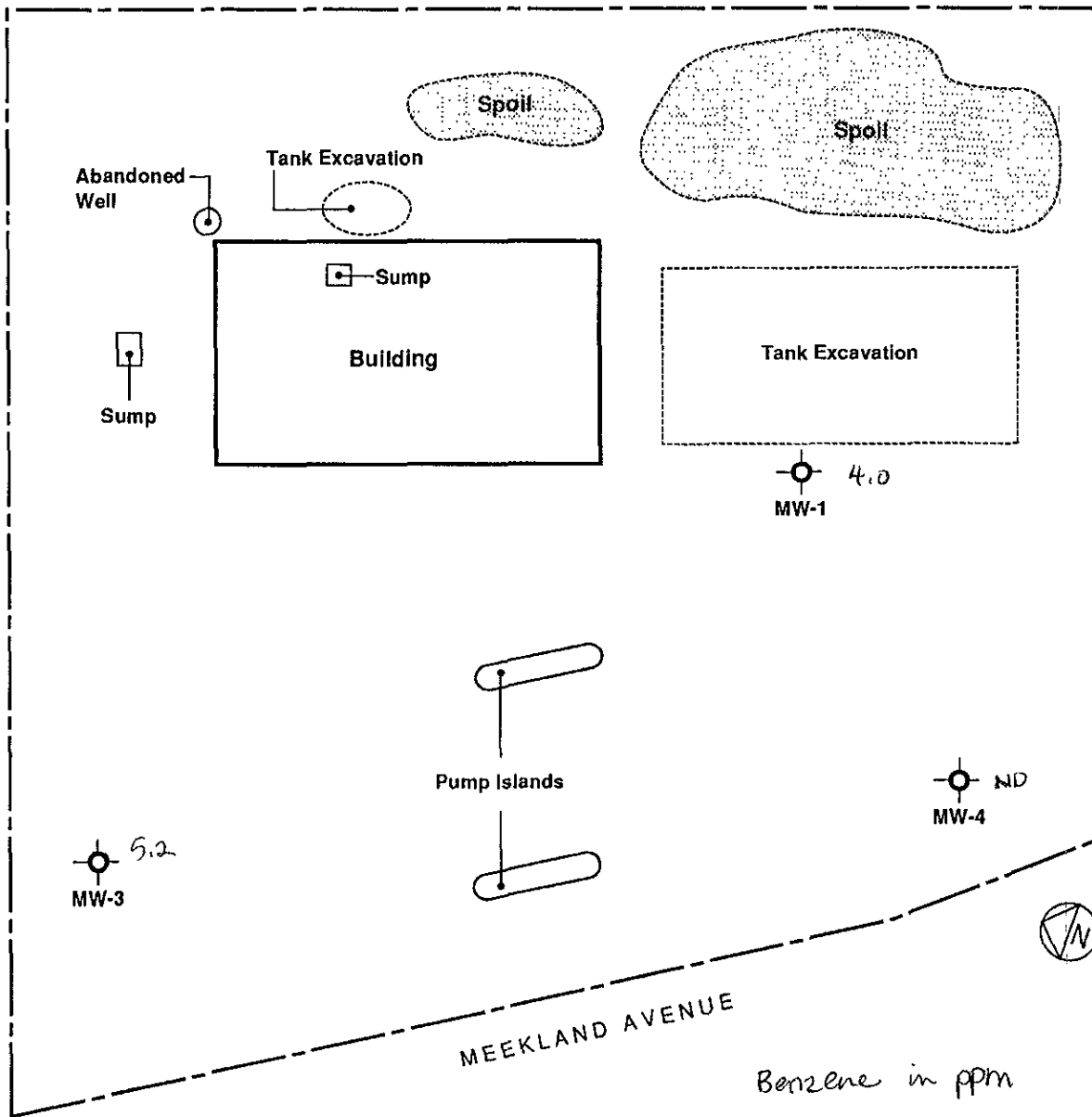
Scale: 1" = 20'-0"

CTTS, Inc. - Toxic Technology Services



Durham Transportation - Site Plan 1954

Plate No.: 2
 Date: July 90
 Scale: 1" = 20'-0"
 CTTS, Inc. - Toxic Technology Services



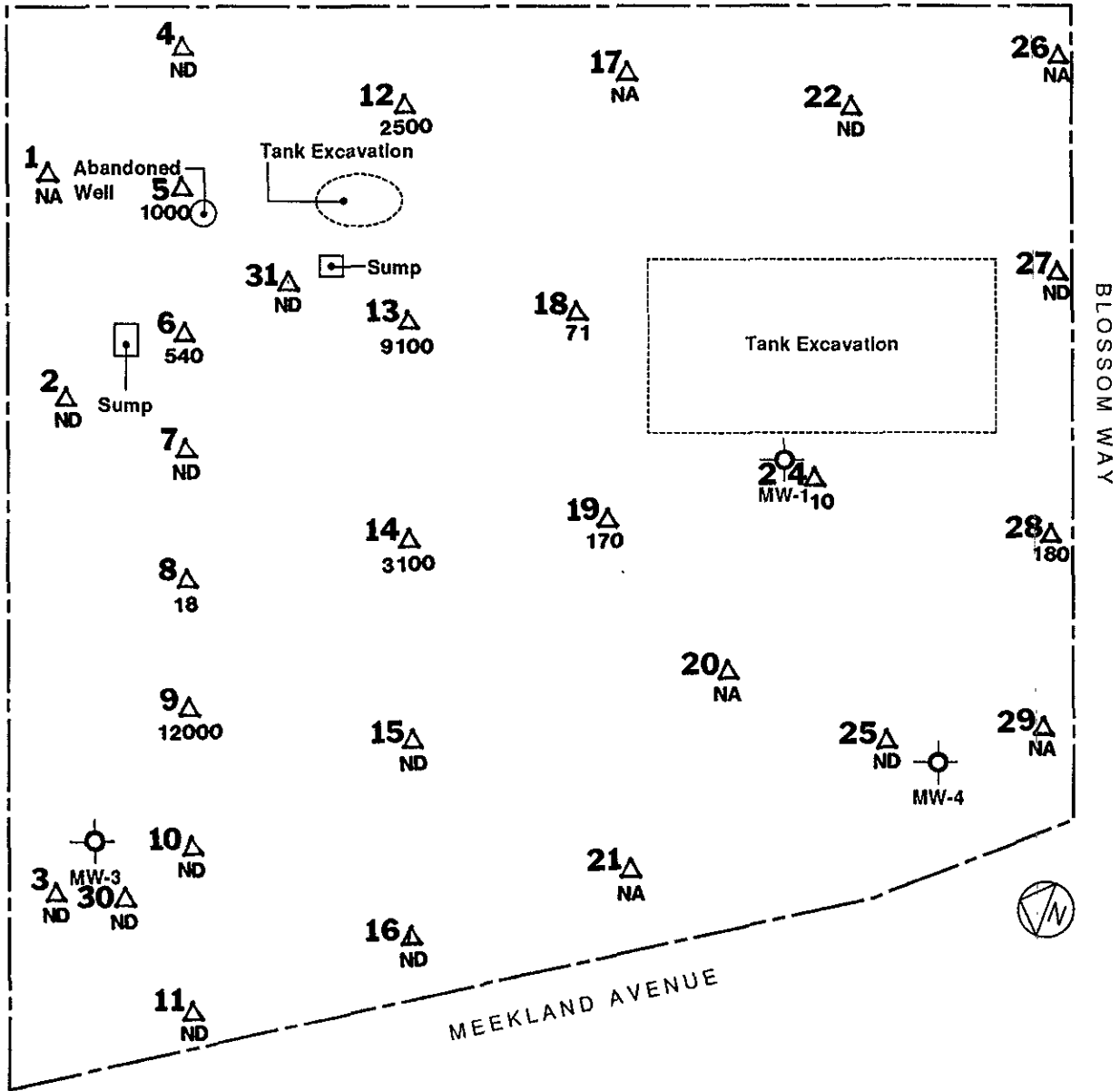
Durham Transportation - Site Plan 1989

Plate No.: 3

Date: July 90

Scale: 1" = 20'-0"

CTTS, Inc. - Toxic Technology Services

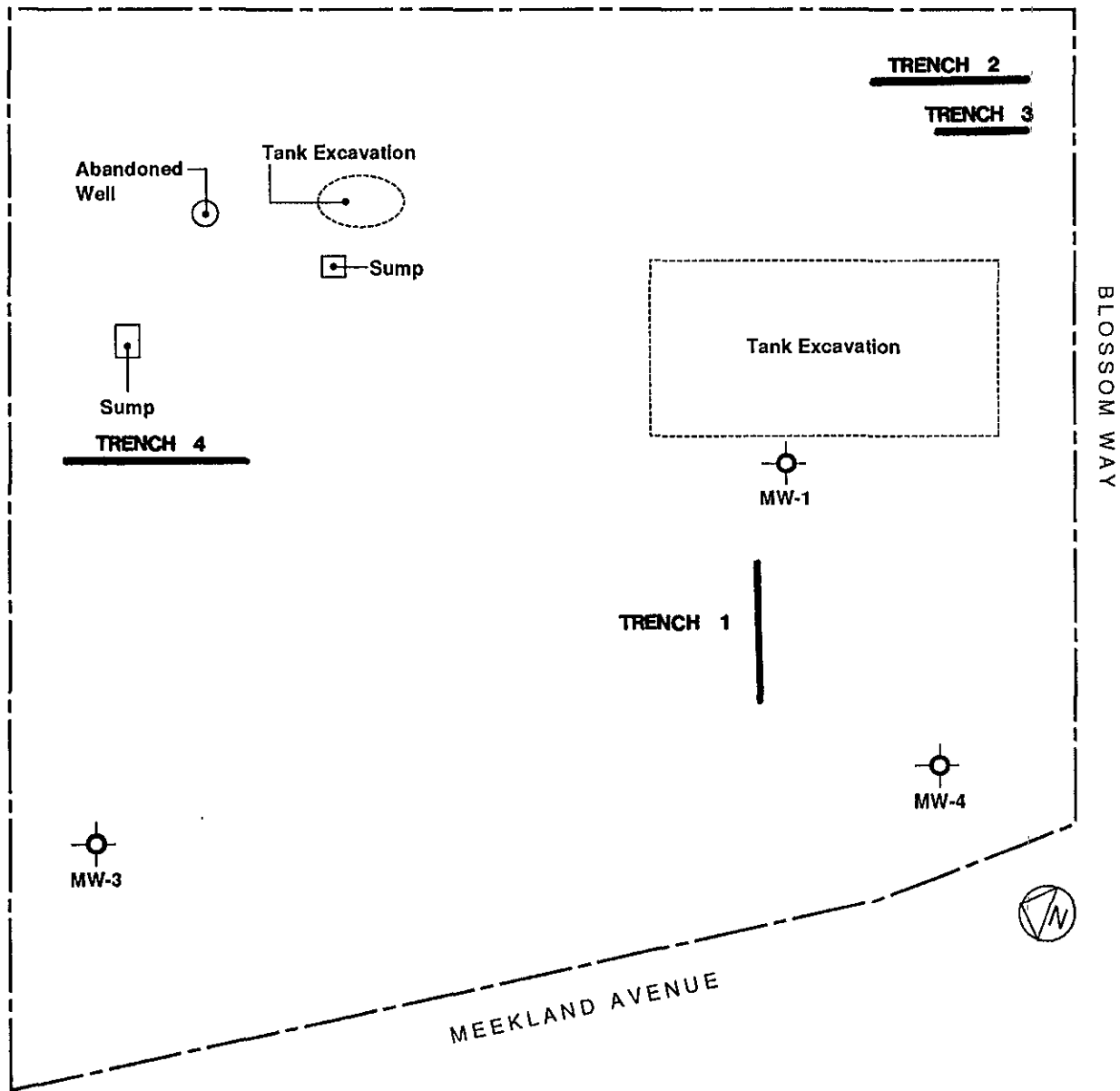


LEGEND

- 1△ Location and number of soil survey point
- △ Petroleum Hydrocarbons in ppm
- 540
- ND Not detected
- NA Not analyzed

Durham Transportation - Site Plan 1990

Plate No.: 4
 Date: July 90
 Scale: 1" = 20'-0"
 CTTS, Inc. - Toxic Technology Services



Durham Transportation - Site Plan 1990

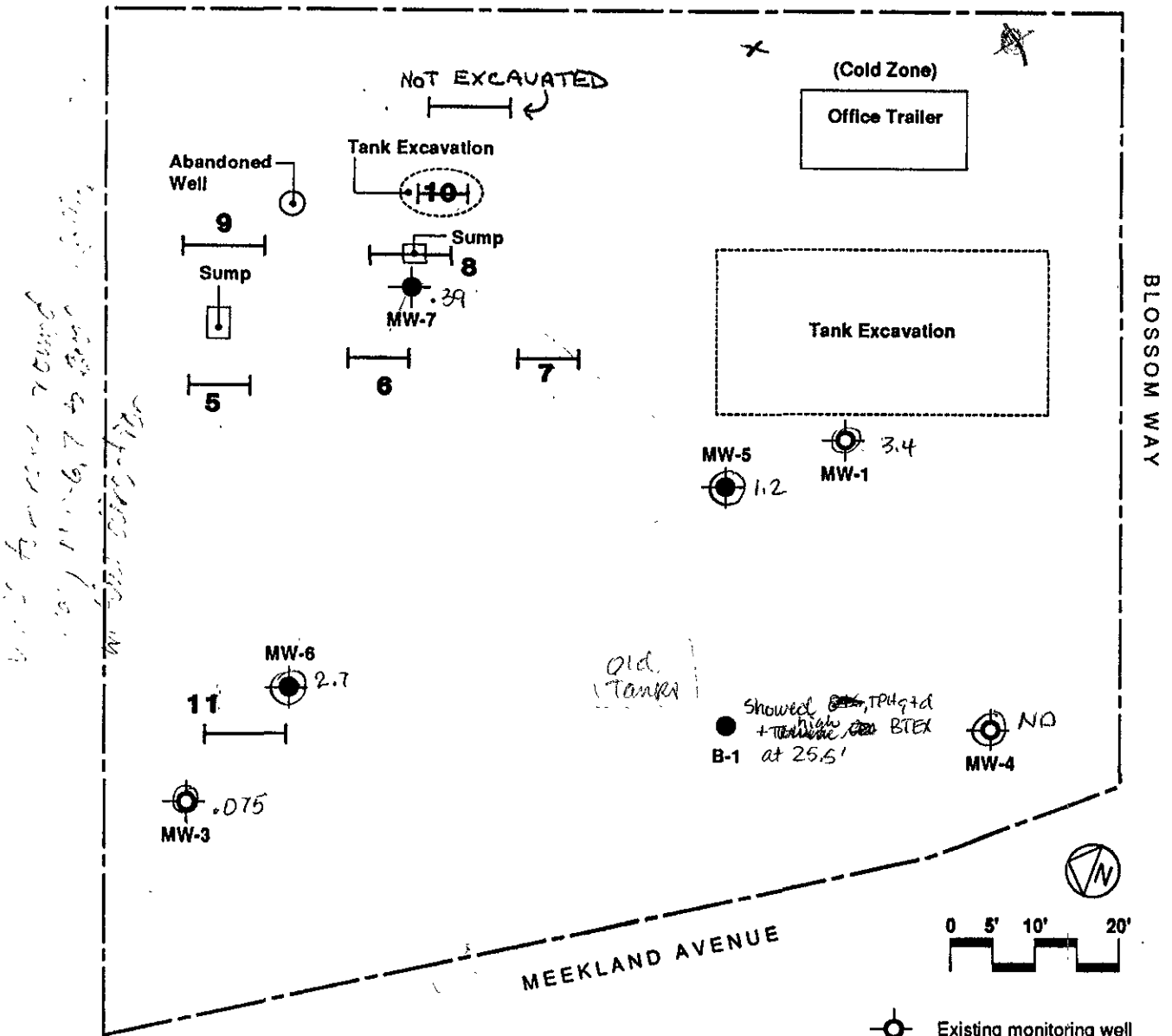
Plate No.: 5

Date: July 90

Scale: 1" = 20'-0"

CTTS, Inc. - Toxic Technology Services

10/30 sampling results for Benzene in ppm



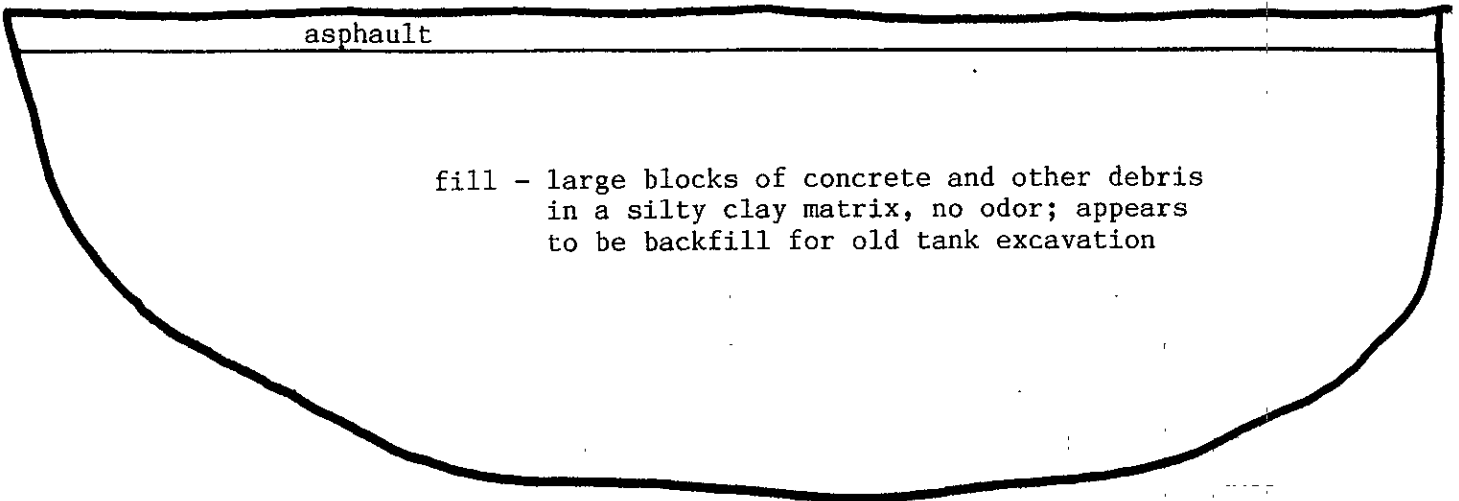
- Existing monitoring well
- Proposed monitoring well
- Proposed boring
- Proposed trench

- Remediation plan Feb 5
 - Install these in mid Feb.
 - Data from existing wells ~ 1 Mar
 - data from new wells ~ 15 Mar

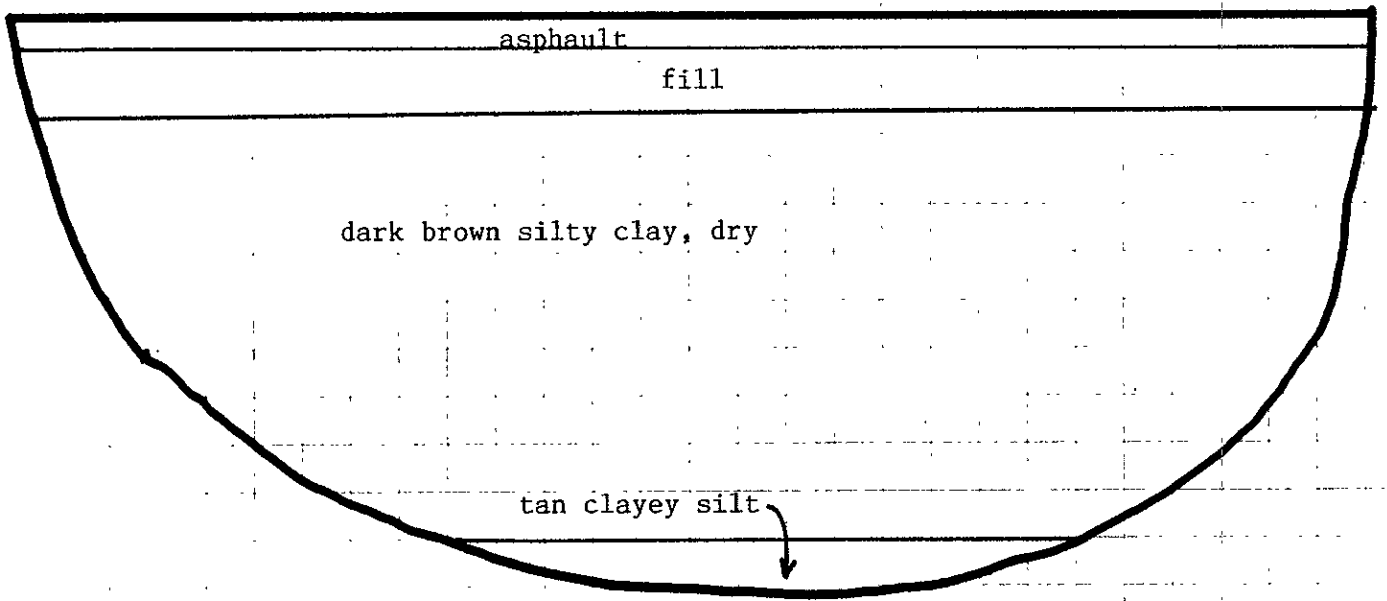
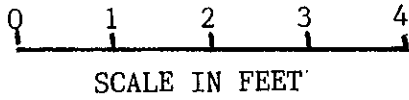
Durham Transportation - Work Plan Amendment

Plate No.: 6
 Date: July 90
 Scale: 1" = 20'-0"
 CTTS, Inc. - Toxic Technology Services

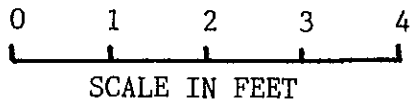
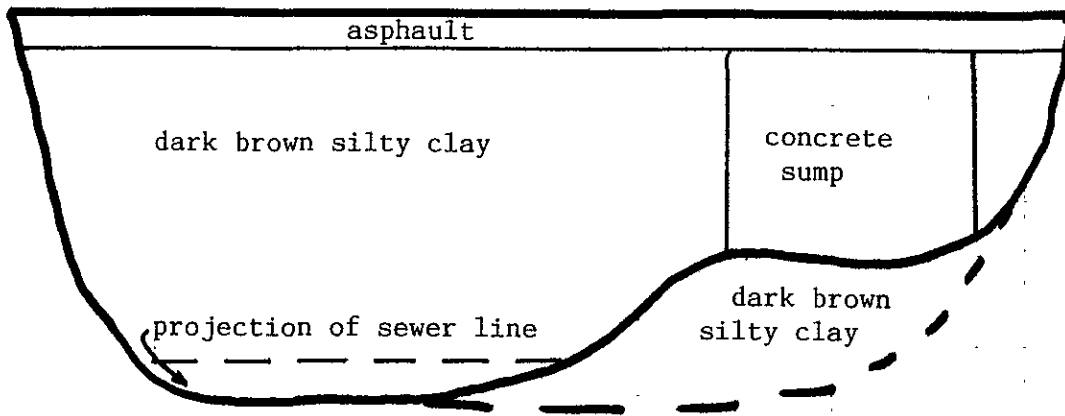
APPENDIX A



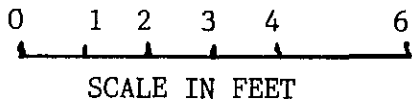
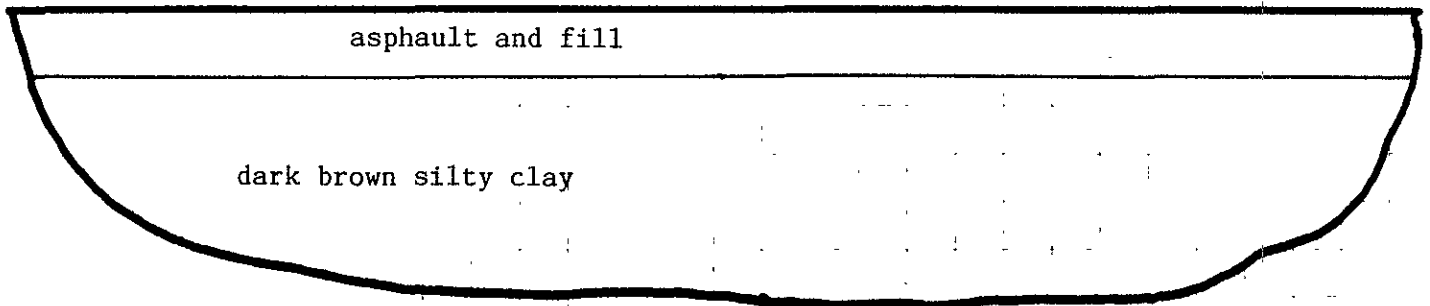
TEST PIT 1



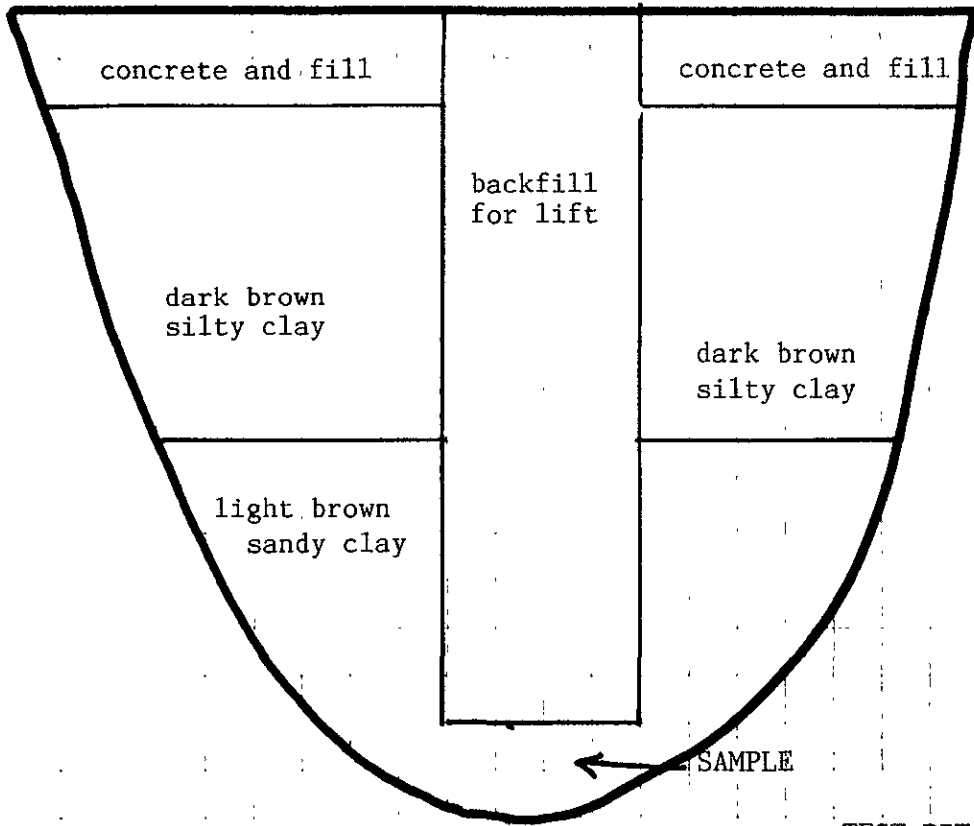
TEST PIT 2



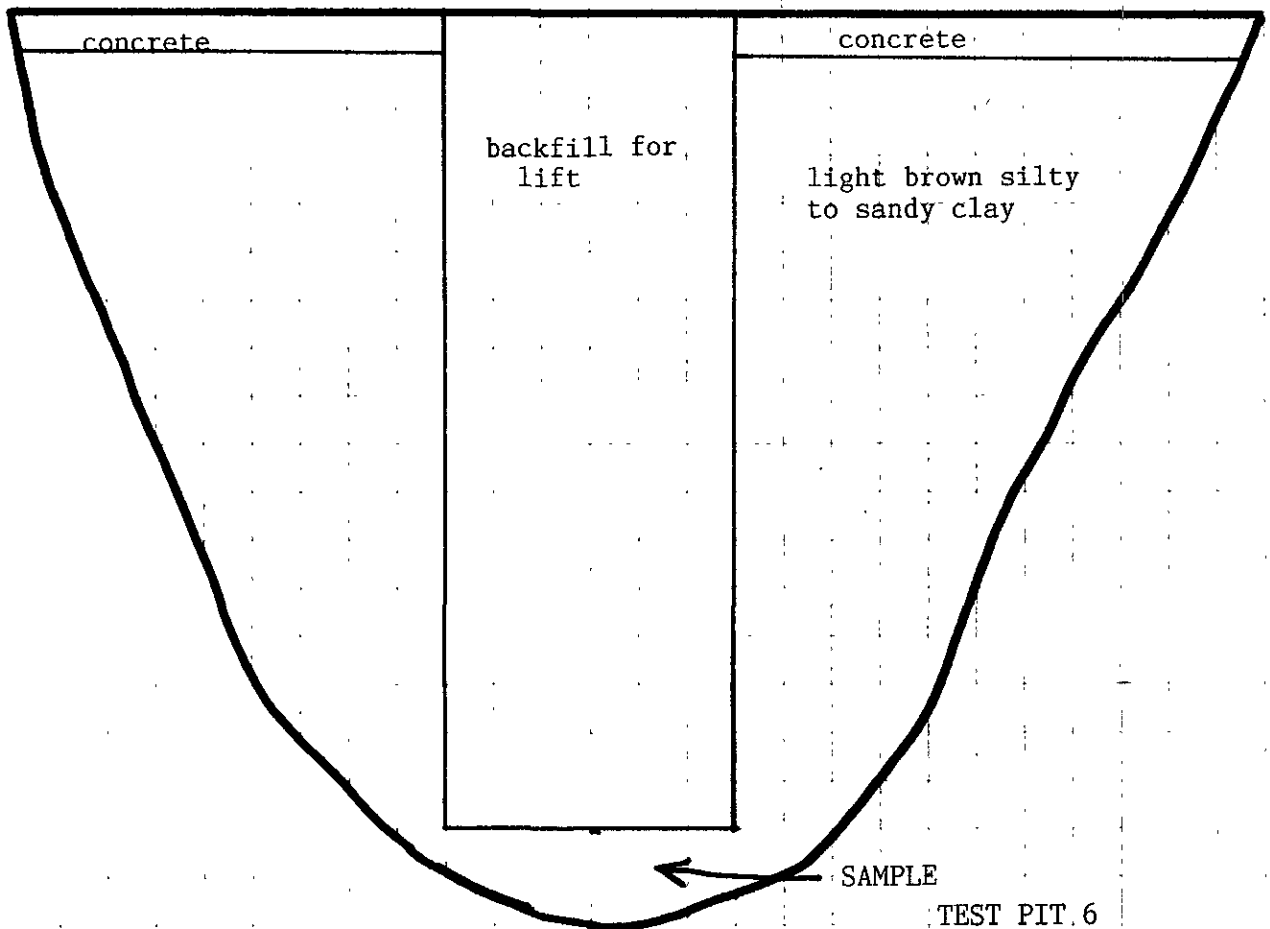
TEST PIT 3



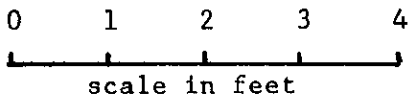
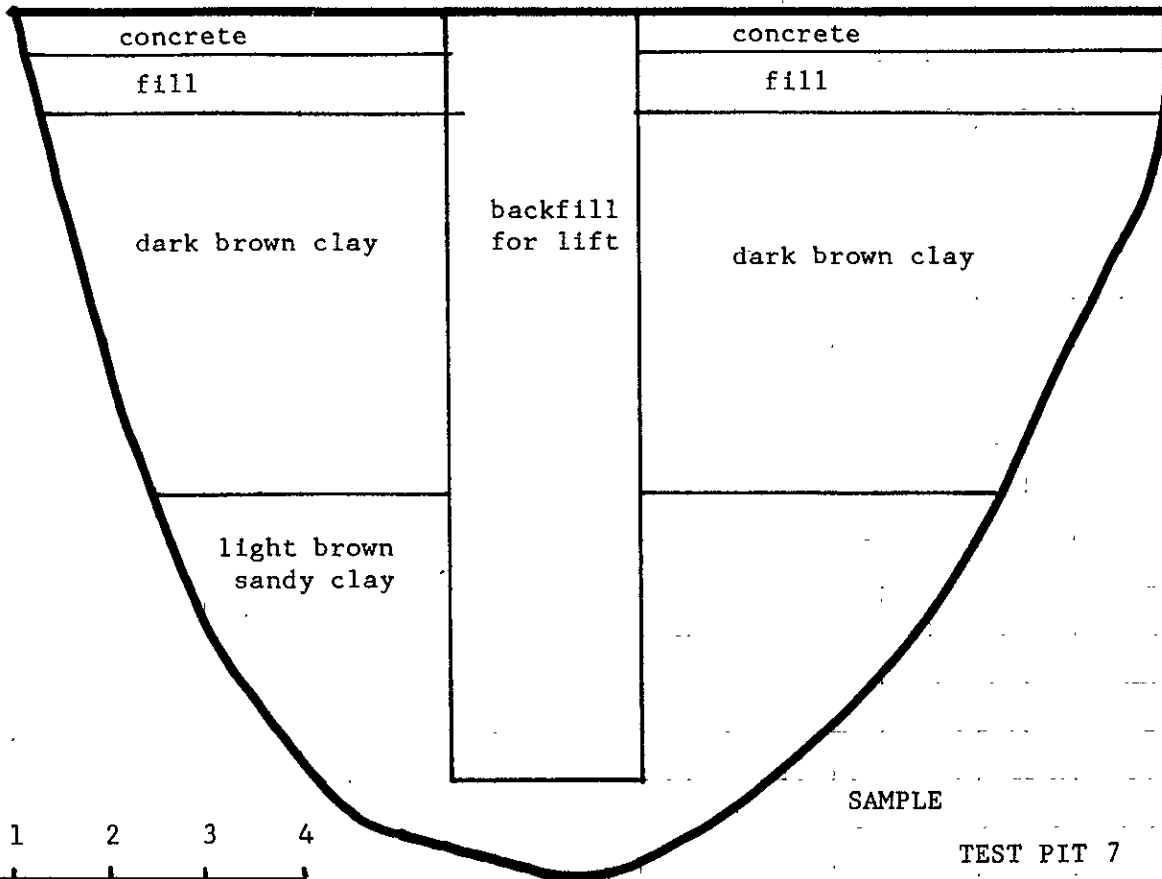
TEST PIT 4



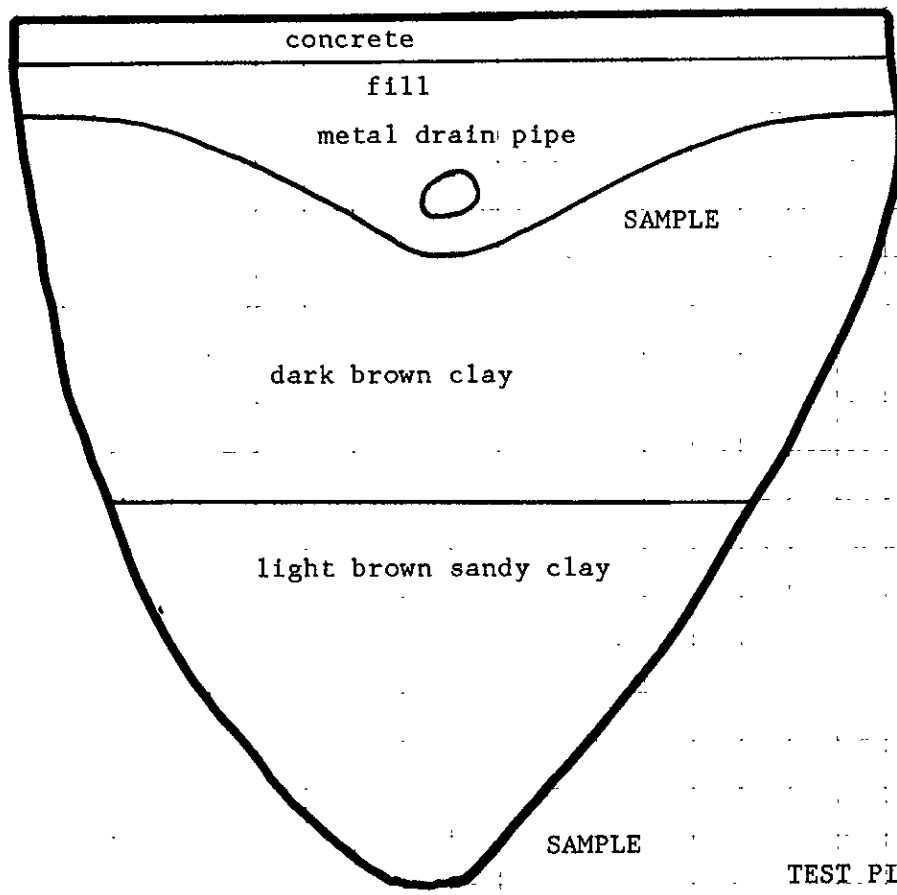
TEST PIT 5



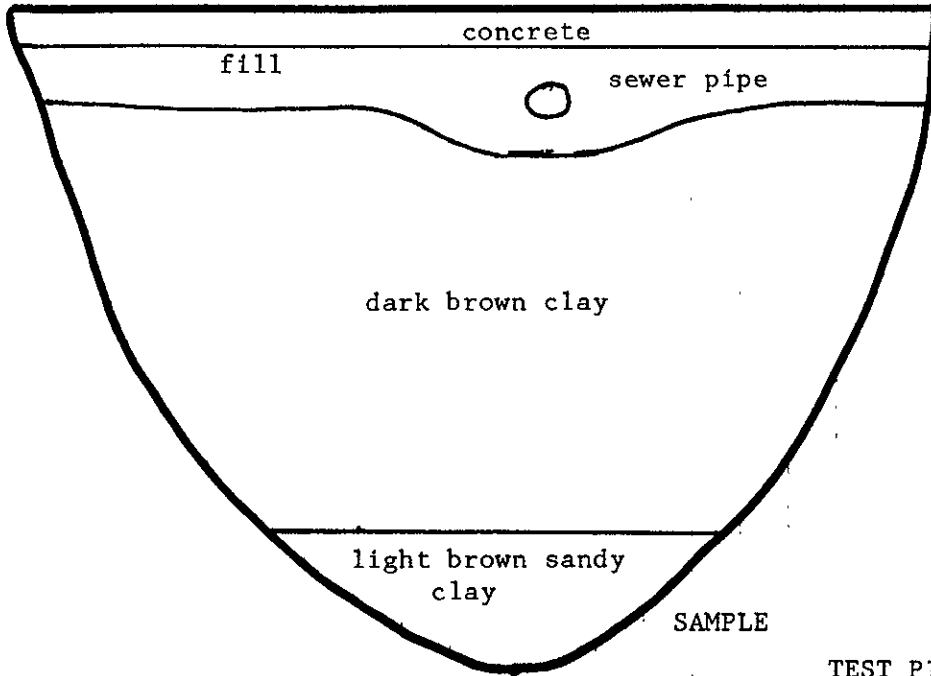
TEST PIT 6



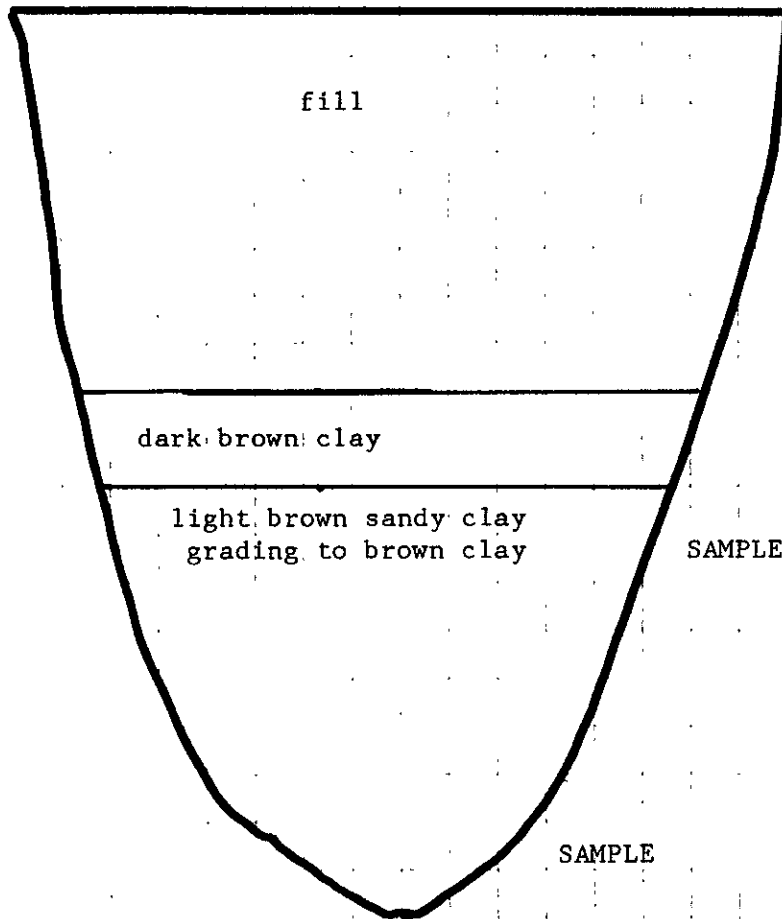
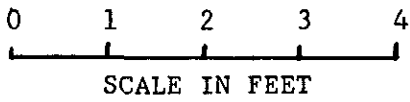
TEST PIT 7



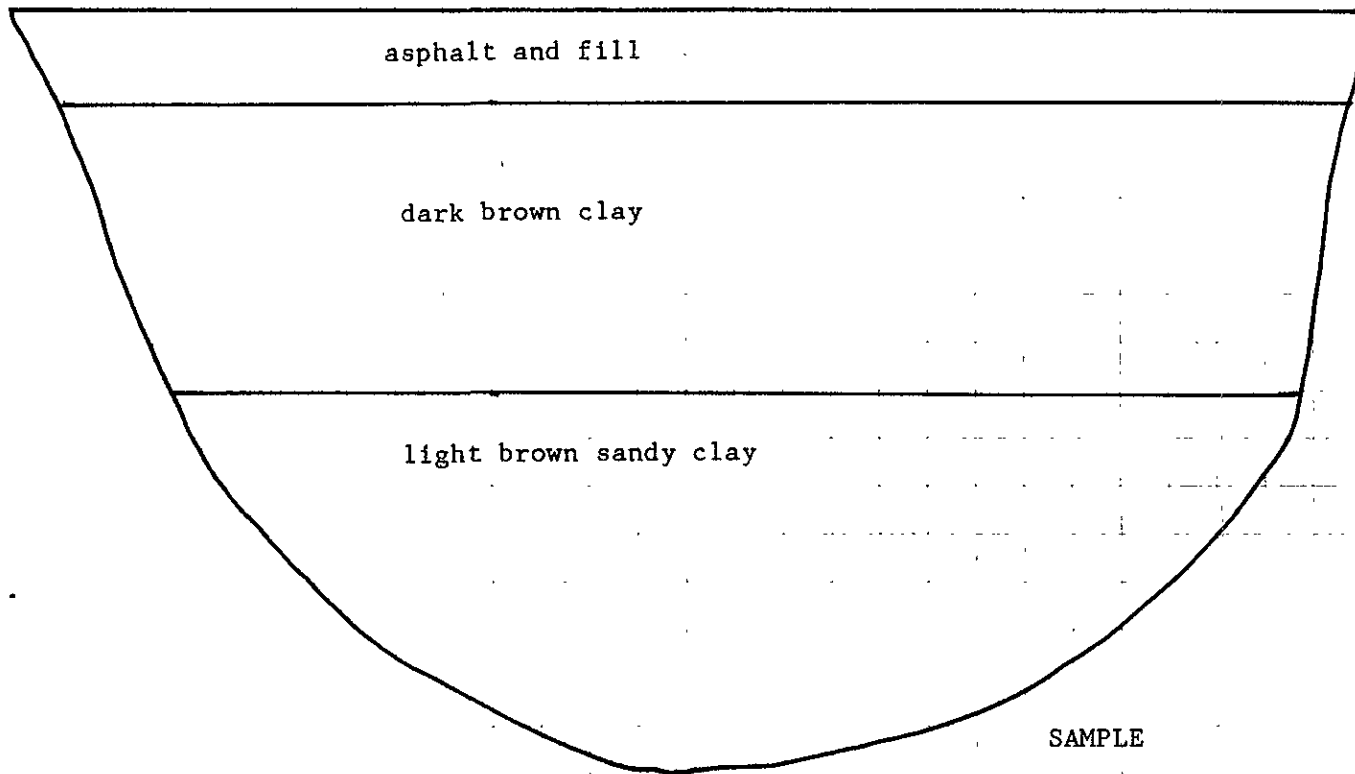
TEST PIT 8



TEST PIT 9

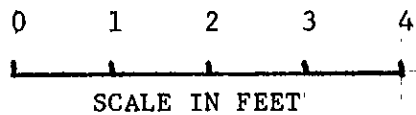


TEST PIT 10



SAMPLE

TEST PIT 11



APPENDIX B



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Lisa A. Polos
Toxic Technology Services
PO Box 515
Rodeo, CA 94572


Date: 09-19-90
NET Client Acct. No: 707
NET Pacific Log No: 3642
Received: 09-05-90 0800

Client Reference Information

Durham Transportation, Project: 90-04

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

Enclosure(s)

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 5

Ref: Durham Transportation, Project: 90-4

~~#5~~
SAMPLE DESCRIPTION: TP 1 8.5' 09-04-90
LAB Job No: (-61833)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	9071	50	ND	mg/Kg
Oil & Grease(Non-Polar)	SM503D/E	100	ND	mg/Kg
PETROLEUM HYDROCARBONS EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-14-90	
METHOD GC FID/3550			--	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	ND	mg/Kg
as Stoddard Solvent		10	ND	mg/kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 6

Ref: Durham Transportation, Project: 90-4

#10
SAMPLE DESCRIPTION: TP 2 9.0' 09-04-90
LAB Job No: (-61834)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	9071	50	ND	mg/Kg
Oil & Grease(Non-Polar)	SM503D/E	100	ND	mg/Kg
PETROLEUM HYDROCARBONS EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-14-90	
METHOD GC FID/3550			--	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	ND	mg/Kg
as Stoddard Solvent		10	ND	mg/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 4

Ref: Durham Transportation, Project: 90-4

27
SAMPLE DESCRIPTION: TP 3 9.0' 09-04-90
LAB Job No: (-61832)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	9071	50	57	mg/Kg
Oil & Grease(Non-Polar)	SM503D/E	100	ND	mg/Kg
PETROLEUM HYDROCARBONS EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-16-90	
METHOD GC FID/3550			---	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	16	mg/Kg
as Stoddard Solvent		10	ND	mg/kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 11

Ref: Durham Transportation, Project: 90-4

~~#8~~
SAMPLE DESCRIPTION: TP 4 2.5' 09-04-90
LAB Job No: (-61837)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	9071	50	ND	mg/Kg
Oil & Grease(Non-Polar) METHOD 8010	SM503D/E	100	ND	mg/Kg
DATE ANALYZED			09-14-90	
DILUTION FACTOR*			1	
Bromodichloromethane		2.0	ND	ug/Kg
Bromoform		2.0	ND	ug/Kg
Bromomethane		2.0	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ug/Kg
Chlorobenzene		2.0	ND	ug/Kg
Chloroethane		2.0	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ug/Kg
Chloroform		2.0	ND	ug/Kg
Chloromethane		2.0	ND	ug/Kg
Dibromochloromethane		2.0	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ug/Kg
Methylene Chloride		50	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ug/Kg
Tetrachloroethene		2.0	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ug/Kg
Trichloroethene		2.0	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ug/Kg
Vinyl chloride		2.0	ND	ug/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 12

Ref: Durham Transportation, Project: 90-4

SAMPLE DESCRIPTION: ^{AB} TP 4 2.5' 09-04-90
LAB Job No: (-61837)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (SOIL)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-10-90	
METHOD GC FID/5030			--	
as Gasoline		1	ND	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-10-90	
Benzene		2.5	ND	ug/Kg
Ethylbenzene		2.5	ND	ug/Kg
Toluene		2.5	69	ug/Kg
Xylenes, total		2.5	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-18-90	
METHOD GC FID/3550			--	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	20	mg/Kg
as Stoddard Solvent		10	ND	mg/kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 7

Ref: Durham Transportation, Project: 90-4

#8
SAMPLE DESCRIPTION: TP 4 8.0' 09-04-90
LAB Job No: (-61835)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	9071	50	ND	mg/Kg
Oil & Grease(Non-Polar)	SM503D/E	100	ND	mg/Kg
METHOD 8010				
DATE ANALYZED			09-18-90	
DILUTION FACTOR*			1	
Bromodichloromethane		2.0	ND	ug/Kg
Bromoform		2.0	ND	ug/Kg
Bromomethane		2.0	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ug/Kg
Chlorobenzene		2.0	ND	ug/Kg
Chloroethane		2.0	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ug/Kg
Chloroform		2.0	ND	ug/Kg
Chloromethane		2.0	ND	ug/Kg
Dibromochloromethane		2.0	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ug/Kg
Methylene Chloride		50	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ug/Kg
Tetrachloroethene		2.0	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ug/Kg
Trichloroethene		2.0	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ug/Kg
Vinyl chloride		2.0	ND	ug/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 8

Ref: Durham Transportation, Project: 90-4

#8
SAMPLE DESCRIPTION: TP 4 8.0' 09-04-90
LAB Job No: (-61835)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (SOIL)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
METHOD GC FID/5030			--	
as Gasoline		1	ND	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
Benzene		2.5	ND	ug/Kg
Ethylbenzene		2.5	ND	ug/Kg
Toluene		2.5	17	ug/Kg
Xylenes, total		2.5	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-14-90	
METHOD GC FID/3550			--	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	ND	mg/Kg
as Stoddard Solvent		10	ND	mg/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 13

Ref: Durham Transportation, Project: 90-4

119
SAMPLE DESCRIPTION: TP 5 7.0' 09-04-90
LAB Job No: (-61838)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (SOIL)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
METHOD GC FID/5030			--	
as Gasoline		1	ND	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
Benzene		2.5	ND	ug/Kg
Ethylbenzene		2.5	ND	ug/Kg
Toluene		2.5	24	ug/Kg
Xylenes, total		2.5	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-14-90	
METHOD GC FID/3550			--	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	ND	mg/Kg
as Stoddard Solvent		10	ND	mg/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 9

Ref: Durham Transportation, Project: 90-4

~~#10~~
SAMPLE DESCRIPTION: TP 6 7.5' 09-04-90
LAB Job No: (-61836)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	9071	50	ND	mg/Kg
Oil & Grease(Non-Polar)	SM503D/E	100	ND	mg/Kg
METHOD 8010				
DATE ANALYZED			09-18-90	
DILUTION FACTOR*			1	
Bromodichloromethane		2.0	ND	ug/Kg
Bromoform		2.0	ND	ug/Kg
Bromomethane		2.0	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ug/Kg
Chlorobenzene		2.0	ND	ug/Kg
Chloroethane		2.0	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ug/Kg
Chloroform		2.0	ND	ug/Kg
Chloromethane		2.0	ND	ug/Kg
Dibromochloromethane		2.0	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ug/Kg
Methylene Chloride		50	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ug/Kg
Tetrachloroethene		2.0	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ug/Kg
Trichloroethene		2.0	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ug/Kg
Vinyl chloride		2.0	ND	ug/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 10

Ref: Durham Transportation, Project: 90-4

~~#10~~
SAMPLE DESCRIPTION: TP 6 7.5' 09-04-90
LAB Job No: (-61836)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			---	
VOLATILE (SOIL)			---	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
METHOD GC FID/5030			---	
as Gasoline		1	ND	mg/Kg
METHOD 8020			---	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
Benzene		2.5	ND	ug/Kg
Ethylbenzene		2.5	ND	ug/Kg
Toluene		2.5	5.0	ug/Kg
Xylenes, total		2.5	ND	ug/Kg
PETROLEUM HYDROCARBONS			---	
EXTRACTABLE (SOIL)			---	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-14-90	
METHOD GC FID/3550			---	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	ND	mg/Kg
as Stoddard Solvent		10	ND	mg/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 2

Ref: Durham Transportation, Project: 90-04

#11
SAMPLE DESCRIPTION: TP 8 7.5' 09-04-90
LAB Job No: (-61831)

Parameter	Method	Reporting Limit	Results	Units
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METHOD 8010

DATE ANALYZED			09-18-90	
DILUTION FACTOR*			1	
Bromodichloromethane		2.0	ND	ug/Kg
Bromoform		2.0	ND	ug/Kg
Bromomethane		2.0	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ug/Kg
Chlorobenzene		2.0	ND	ug/Kg
Chloroethane		2.0	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ug/Kg
Chloroform		2.0	ND	ug/Kg
Chloromethane		2.0	ND	ug/Kg
Dibromochloromethane		2.0	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ug/Kg
Methylene Chloride		50	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ug/Kg
Tetrachloroethene		2.0	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ug/Kg
Trichloroethene		2.0	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ug/Kg
Vinyl chloride		2.0	ND	ug/Kg
Xylenes, total		2.5	ND	ug/Kg

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 3642

Date: 09-19-90
Page: 3

Ref: Durham Transportation, Project: 90-04

AI
SAMPLE DESCRIPTION: TP 8 7.5' 09-04-90
LAB Job No: (-61831)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (SOIL)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
METHOD GC FID/5030			--	
as Gasoline		1	ND	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-06-90	
Benzene		2.5	ND	ug/Kg
Ethylbenzene		2.5	ND	ug/Kg
Toluene		2.5	34	ug/Kg
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-14-90	
DATE ANALYZED			09-14-90	
METHOD GC FID/3550			--	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	ND	mg/Kg
as Stoddard Solvent		10	ND	mg/Kg

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following, which supercedes the listed reporting limit.
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2]}/\text{mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- urnhos/cm : Micronhos per centimeter.

Method References

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

- * Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated reporting limits by the dilution factor.

435 Tesconi Circle, Santa Rosa, CA 95401

CHAIN OF CUSTODY RECORD

3642

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS	SAMPLERS					REMARKS
90-4		Durham Transportation					IPH-G IPH-D & Stopped solvent (white prints) BTEX D & G BOLD Halogenated hydrocarbons					
SAMPLERS (Signature): Chris Polos (Toxic Technology Services)												
STA. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION							
	9/4/90			X	Test Pit #8 - 7.5'	core	X	X	X		X	Normal TA Please take sample from center of core
					Test Pit #3 - 9.0'	core		X		X		
					Test Pit #4 - 8.0'	core	X	X	X	X	X	
					Test Pit #6 - 7.5'	core	X	X	X	X	X	
					Test Pit #4 - 2.5'	core	X	X	X	X	X	
					Test Pit #5 - 7.0'	core	X	X	X			
					Test Pit #1 - 8.5'	core		X		X		
					Test Pit #2 - 9.0'	core		X		X		

custody seal intact as of 9/15
custody seal 9/4/90 @ 19:00

Relinquished by: (Signature) Chris Polos	Date / Time 9/4/90 17:40	Received by: (Signature) Jeff A. ...	Relinquished by: (Signature) Jeff A. ...	Date / Time 9/4/90	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) (via NCS)	Date / Time	Received for Laboratory by: (Signature) Example	Date / Time 9/15/90 0800	Remarks	

APPENDIX C

BORING LOCATION	Meekland and Blossom Ave		ELEVATION AND DATUM	
DRILLING CONTRACTOR	HEW Drilling	DRILLER	Jeff	DATE STARTED 11-28-89
DRILLING EQUIPMENT	CME 55			DATE FINISHED: 11-28-89
DIAMETER OF BORING				COMPLETION DEPTH (FT) 40
PURPOSE OF BORING	Monitoring Well			ROCK DEPTH (FT) -
SAMPLING EQUIPMENT				NO. OF UNDIST. SAMPLES 7
COMMENTS				WATER FIRST DEPTH(FT) 34
				LOGGED BY: J. Alt
				CHECKED BY:

DEPTH (FEET)	DESCRIPTION	GRAPHIC LOG LITHOLOGY	SAMPLES				REMARKS
			NO.	TYPE	BLOW COUNT	DRILLING RATE/TIME	
0	Fill						
0	dark brown clay, dry, adobe				6		
5	reddish brown fine sandy silt with some clay, dry				8		
5					10		
10	Tan sandy silt to silty sand. Thin lens of coarse sand at 11 ft.; dry, becoming moist at 15 ft.				3		
10					5		
10					8		
15					2		
15					4		
15					6		
20	Gray clay, moist, mottled brown, moderately plastic				2		
20					4		
20					5		
25					4		
25					7		
25					10		
30							

Project Durham Site
Project No.

LOG OF BORING

B-3 / MW3

DEPTH (FEET)	DESCRIPTION	GRAPHIC LOG LITHOLOGY	SAMPLES				REMARKS
			NO.	TYPE	BLOW COUNT	DRILLING RATE/ FT/HR	
30	Gray clay mottled brown, moist, moderately plastic.				4		
					4		
					5		
35	Brown clayey sand and gravel, grades downward to brown clayey silt.				5		
					7		
					11		
40	Bottom of boring No sample						
45							
50							
55							
60							
65							
70							

Project
Project No.

CONT. LOG OF BORING B-3

BORING LOCATION Meekland and Blossom Ave		ELEVATION AND DATUM	
DRILLING CONTRACTOR HEW Drilling	DRILLER Jeff	DATE STARTED 11-28-89	DATE FINISHED 11-28-89
DRILLING EQUIPMENT CME 55		COMPLETION DEPTH (FT) 40	ROCK DEPTH (FT) -
DIAMETER OF BORING		NO. OF UNDIST. SAMPLES 7	CORE
PURPOSE OF BORING Monitoring Well		WATER FIRST DEPTH (FT)	COMPL.
SAMPLING EQUIPMENT		LOGGED BY: J. Alt	CHECKED BY:
COMMENTS			

DEPTH (FEET)	DESCRIPTION	GRAPHIC LOG LITHOLOGY	SAMPLES				REMARKS
			NO.	TYPE	BLOW COUNT	DRILLING RATE/TIME	
0	Fill - Sand and Gravel						
5	Dark brown clay, dry				8 6 4		
	Tan silty clay, dry						
10					5 6 9		
	brown sandy gravel						
15	Gray clayey silt to silty clay, locally sandy				2 4 4		
20	Same as above moist				1 4 4		
25	Same as above with brown mottlings				4 5 6		
30							

Project Durham Site
Project No.

LOG OF BORING B-4 /mw4

DEPTH (FEET)	DESCRIPTION	GRAPHIC LOG LITHOLOGY	SAMPLES				REMARKS
			NO.	TYPE	BLOW COUNT	DRILLING RATE/ TIME	
30	Gray clay, moist, mottled brown				4		
					7		
					13		
35	Brown silty clay, wet				6		
					7		
					9		
40	bottom of boring						
45							
50							
55							
60							
65							
70							

Project
Project No.

CONT. LOG OF BORING B-4

BORING LOG

Project <u>Durham Transportation</u>	Hole/Well # <u>MW-5</u>
Location <u>see location map</u>	Diameter of Drill Hole <u>8"</u>
Job # <u>90-4</u>	Total Depth of Hole <u>45 ft.</u>
Geologist/Engineer <u>J. Alt</u>	Date Started <u>Aug. 31, 1990</u>
Drill Agency <u>HEW Drilling</u>	Date Completed <u>Aug. 31, 1990</u>

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0	<p style="text-align: center;">4" solid PVC pipe</p> <p style="text-align: center;">grout</p>				gravelly sand-fill, dry dark brown clay-soil horizon
5		14	1		medium brown sandy clay, moist
10		7	2		blue gray sandy clay grading to a clayey sand, moist
15		12	3		grayish brown sandy clay, moist, scattered small gravel
20					grayish brown fine to medium grained sand, moist
25		4	4		light brown clay, moist plastic, reddish brown mottling

BORING LOG

PROJECT: Durham Transportation
 JOB NUMBER: 90-4

HOLE / WELL #: MW-5
 PAGE : 2 OF 2

DEPTH (FEET)	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
25	<p>bentonite seal</p> <p>sand pack</p> <p>4" slotted PVC casing</p>	5	18		gray mottled brown clay, moist to damp, plastic gray clay; mottled brown, moist, plastic
30		6	6		
35		7	16		
40		8	15		brown clay, moist, silty, moderately plastic
45		9	8		tight brown, fine to medium grained sand, wet, dark brown

BORING LOG

Project Durham Transportation
 Location see location map
 Job # 90-4
 Geologist/Engineer J. Alt
 Drill Agency HEW Drilling

Hole/Well # MW-6
 Diameter of Drill Hole 8 inches
 Total Depth of Hole 45 ft.
 Date Started Aug. 30, 1990
 Date Completed Aug. 30, 1990

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0	<p style="margin-left: 20px;">4" solid PVC pipe</p> <p style="margin-left: 20px;">grout</p>				3" asphalt
5		11	1		sand and gravel
10		12	2		medium brown silty to sandy clay, moist, locally scattered gravel up to 1/2" in size medium brown clay to clayey silt
15		7	3		brown fine-grained sand, loose, moist
20		NA	4		gray mottled brown clay, moist to damp, plastic

BORING LOG

PROJECT: Durham Transportation
 JOB NUMBER: 90-4

HOLE / WELL #: MW-6
 PAGE: 2 OF 2

DEPTH (FEET)	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
25	bentonite seal				
		5	20		light brown clay, moist plastic, reddish brown mottling
30	sand pack	6	11		same as above, except grading to gray in color gray clay, wet, plastic, locally sandy
35	4" slotted PVC casing	7	17		
40		8	7		light brown clay, wet plastic light brown clay, wet plastic, locally silty to sandy
45		9	15		light brown sandy clay, wet plastic

BORING LOG

Project Durham Transportation
 Location see location map
 Job # 90-4
 Geologist/Engineer J. Alt
 Drill Agency HEW Drilling

Hole/Well # M W - 7
 Diameter of Drill Hole 8"
 Total Depth of Hole 45 ft.
 Date Started Oct. 1, 1990
 Date Completed Oct. 1, 1990

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0	<p>4" solid PVC pipe</p> <p>grout</p>	17	1		4" concrete
					fill - sand and gravel
					dark brown clay, damp grading to medium brown silty clay
5					
10					
		8	2		medium brown clayey silt, damp
15		9	3		
					gray sand, medium grained, damp
20		4	4		
					gray clay, moist with brown mottering

BORING LOG

PROJECT: Durham Transportation

HOLE / WELL #: MW-7

JOB NUMBER: 90-4

PAGE: 2 OF 2

DEPTH (FEET)	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION	
25		5	13		gray clay, moist with brown mottering	
30		6	12		tan mottled gray silty clay, locally sandy	
35		7	16		tan clay; very plastic	
40		8	10		tan clay-mottled brown; very plastic, some silt	
45		9	11		fine grain tan-mottled brown silty sand; very wet, some plasticity	

BORING LOG

Project Durham Transportation
 Location see location map
 Job # 90-4
 Geologist/Engineer J. Alt
 Drill Agency HEW Drilling

Hole/Well # B-1
 Diameter of Drill Hole 8 inches
 Total Depth of Hole 25 ft.
 Date Started Oct. 1, 1990
 Date Completed Oct. 1, 1990

DEPTH IN FEET	WELL CONSTRUCTION DETAIL	N-VALUE	SAMPLE	GRAPHIC SYMBOL	DESCRIPTION
0					backfill gravel, etc.
5		15	1		
10	boring log only; no well was installed	13	2		fine grain sand green with hydrocarbons; slightly silty the first foot, brown clay with black streaks
15		10	3		gravel fill in first foot, next comes green soil (silty, sandy clay), odor of old petroleum, last foot sandy clay gray (slight green tinge), some plasticity
20		8	4		dark gray silty clay; very plastic mottled brown down to approximately 21'; has greenish tint.



BORING LOG

PROJECT: Durham Transportation

HOLE / WELL # : B-1

JOB NUMBER: 90-4

PAGE : 2 OF 2

DEPTH (FEET)	COMPLETION DETAIL	SAMPLE #	BLOW COUNTS / FOOT	USCS SYMBOL	DESCRIPTION
25 		5	15		gray with slight green tinge first 10". brown clay, mottled green and orange; very plastic soil, still pretty dry.

APPENDIX D

TMA

Thermo Analytical Inc.

TMA/Norcal

2030 Wright Avenue

P. O. Box 4040

Richmond, CA 94804-0040

(415) 235-2633

December 11, 1989

Toxic Technology Services

P.O. Box 515

Rodeo, CA 94572

Attention: Lisa Polos

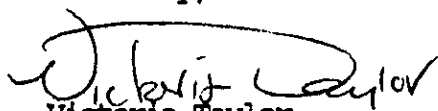
TMA/Norcal Reference: 6721-3

Dear Lisa:

Enclosed are the results of the analyses of soil samples received November 28, 1989.

Please feel free to call with any questions.

Sincerely,


Victoria Taylor
Organics Department
Manager

VI/td

Toxic Technology Services
Page 2
December 11, 1989

EPA METHOD 8010
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: B-3,20.5'
TMA/Norcal I.D.: 6721-3-2

Date Received: 11/28/89
Date Analyzed: 12/1/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMITS (ug/kg)
75-71-8	Dichlorodifluoromethane	ND	50
29479-9	Chloromethane	ND	10
29584-5	Bromomethane	ND	30
75-01-4	Vinyl Chloride	ND	10
29480-2	Chloroethane	ND	10
75-09-2	Dichloromethane	ND	10
75-69-4	Trichlorofluoromethane	ND	20
75-35-4	1,1-Dichloroethene	ND	10
75-34-3	1,1-Dichloroethane	ND	10
156-60-5	trans-1,2-Dichloroethene	ND	10
76-66-3	Chloroform	ND	10
107-06-2	1,2-Dichloroethane	ND	10
71-55-6	1,1,1-Trichloroethane	ND	10
56-23-5	Carbon Tetrachloride	ND	10
75-27-4	Bromodichloromethane	ND	10
78-87-5	1,2-Dichloropropane	ND	10
10061-02-6	trans-1,3-Dichloropropene	ND	10
79-01-6	Trichloroethene	200	10
124-48-1	Chlorodibromomethane	ND	10
79-00-5	1,1,2-Trichloroethane	ND	10
10061-01-5	cis-1,3-Dichloropropene	ND	10
110-75-8	2-Chloroethylvinyl ether	ND	10
75-25-2	Bromoform	ND	10
79-34-5	1,1,2,2-Tetrachloroethane	ND	10
127-18-4	Tetrachloroethene	ND	10
108-90-7	Chlorobenzene	ND	10
541-73-1	1,3-Dichlorobenzene	ND	10
95-50-1	1,2-Dichlorobenzene	ND	10
106-46-7	1,4-Dichlorobenzene	ND	10

A. J. Smith

Analyst

Victoria Taylor

Data Release Authorized By

Toxic Technology Services
 Page 3
 December 11, 1989

EPA METHOD 8010
 TARGET ANALYTE RESULTS

Client: Toxic Technology Services
 Client Sample I.D.: B-3,25.5'
 TMA/Norcal I.D.: 6721-3-3

Date Received: 11/28/89
 Date Analyzed: 12/8/89

CAS. NO.	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
75-71-8	Dichlorodifluoromethane	<50	50
29479-9	Chloromethane	<10	10
29584-5	Bromomethane	<30	30
75-01-4	Vinyl Chloride	<10	10
29480-2	Chloroethane	<10	10
75-09-2	Dichloromethane	<10	10
75-69-4	Trichlorofluoromethane	<20	20
75-35-4	1,1-Dichloroethene	<10	10
75-34-3	1,1-Dichloroethane	<10	10
156-60-5	trans-1,2-Dichloroethene	<10	10
76-66-3	Chloroform	<10	10
107-06-2	1,2-Dichloroethane	<10	10
71-55-6	1,1,1-Trichloroethane	<10	10
56-23-5	Carbon Tetrachloride	<10	10
75-27-4	Bromodichloromethane	<10	10
78-87-5	1,2-Dichloropropane	<10	10
10061-02-6	trans-1,3-Dichloropropene	<10	10
79-01-6	Trichloroethene	<10	10
124-48-1	Chlorodibromomethane	<10	10
79-00-5	1,1,2-Trichloroethane	<10	10
10061-01-5	cis-1,3-Dichloropropene	<10	10
110-75-8	2-Chloroethylvinyl ether	<10	10
75-25-2	Bromoform	<10	10
79-34-5	1,1,2,2-Tetrachloroethane	<10	10
127-18-4	Tetrachloroethene	<10	10
108-90-7	Chlorobenzene	<10	10
541-73-1	1,3-Dichlorobenzene	<10	10
95-50-1	1,2-Dichlorobenzene	<10	10
106-46-7	1,4-Dichlorobenzene	<10	10

G. J. Smith
 Analyst

Victoria C. Taylor
 Data Release Authorized By

Toxic Technology Services
Page 4
December 11, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: N/A
TMA/Norcal I.D.: Method Blank

Date Received: N/A
Date Analyzed: 11/30/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMITS (ug/kg)
71-43-2	Benzene	ND	5
108-88-3	Toluene	15	5
100-41-4	Ethylbenzene	ND	5
1330-20-7	Xylenes	ND	15

A. D. Smith
Analyst

Richard C. Bayless
Date Release Authorized By

Toxic Technology Services
Page 5
December 11, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: B-3,20.5'
TMA/Norcal I.D.: 6721-3-2

Date Received: 11/28/89
Date Analyzed: 11/30/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMITS (ug/kg)
71-43-2	Benzene	130	5
108-88-3	Toluene	22	5
100-41-4	Ethylbenzene	<5.0	5
1330-20-7	Xylenes	<15	15

W. Smith
Analyst

Nicholas Taylor
Date Release Authorized By

Toxic Technology Services
Page 6
December 11, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: B-3,25.5'
Method: 6721-3-3

Date Received: 11/28/89
Date Analyzed: 11/30/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMITS (ug/kg)
71-43-2	Benzene	440	5
108-88-3	Toluene	480	5
100-41-4	Ethylbenzene	200	5
1330-20-7	Xylenes	930	15

G.W. Smith
Analyst

Victoria Taylor
Date Release Authorized By

Toxic Technology Services
Page 7
December 11, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: B-3,30.5'
Method: 6721-3-4

Date Received: 11/28/89
Date Analyzed: 11/30/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMIT (ug/kg)
71-43-2	Benzene	540	5
108-88-3	Toluene	188	5
100-41-4	Ethylbenzene	210	5
1330-20-7	Xylenes	400	15

G. D. Smith
Analyst

Victor D. Dwyer
Data Release Authorized By

Toxic Technology Services
Page 8
December 11, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: B-4,15.5'
Method: 6721-3-5

Date Received: 11/28/89
Date Analyzed: 11/30/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMIT (ug/kg)
71-43-2	Benzene	20	5
108-88-3	Toluene	19	5
100-41-4	Ethylbenzene	13	5
1330-20-7	Xylenes	<15	15

A. O. Smith
Analyst

Victoria Taylor
Data Release Authorized By

Toxic Technology Services
Page 9
December 11, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: B-4,20.5'
Method: 6721-3-6

Date Received: 11/28/89
Date Analyzed: 11/30/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMIT (ug/kg)
71-43-2	Benzene	75	5
108-88-3	Toluene	20	5
100-41-4	Ethylbenzene	26	5
1330-20-7	Xylenes	15	15

G. Smith
Analyst

Victoria Taylor
Data Release Authorized By

Toxic Technology Services
Page 10
December 11, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: B-4,35.5'
Method: 6721-3-7

Date Received: 11/28/89
Date Analyzed: 11/30/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMIT (ug/kg)
71-43-2	Benzene	<5	5
108-88-3	Toluene	13*	5
100-41-4	Ethylbenzene	<5	5
1330-20-7	Xylenes	<15	15

* Less than Blank

A. Smith
Analyst

Victor Caylor
Data Release Authorized By

Toxic Technology Services
Page 11
December 11, 1989

ANALYSIS RESULTS REPORT
TOTAL PETROLEUM HYDROCARBONS
SOIL MATRIX

Client: Toxic Technology Services
Sample Delivery Group: 3
Method: MOD 8015 - P&T

Date Received: 11/28/89
Date Analyzed: 11/30/89

TMA SAMPLE I.D.	CLIENT I.D.	GASOLINE (UG/G)	DETECTION LIMIT (UG/G)
BLANK	NA	<10	10
6721-3-2	B-3,20.5'	<10	10
6721-3-3	B-3,25.5'	52	10
6721-3-4	B-3,30.5'	23	10
6721-3-5	B-4,15.5'	<10	10
6721-3-6	B-4,20.5'	<10	10
6721-3-7	B-4,35.5'	<10	10

2030 Wright Avenue
 Richmond, California 94804
 (415) 235-2633
 (TWX) 910-382-8132

TMA
 Thermo Analytical Inc.:
 CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS	Analyses						REMARKS
89-12		Durham - Meekland					GAS (BTEX) CHLORINATED HYDROCARBONS METALS						
(Signature)												CTTS, Inc. (Toxic Technology Series) (415) 799-1140 REMARKS	
Sample ID	Depth												
B-3	15'				brass core	1							HOLD
B-3	20.5'				↓	1	X						
B-3	25.5'					1	X	X					
B-3	30.5'					1	X						
B-4	15.5'					1	X						TAT = 3-4 days for all analyses
B-4	20.5'				1	X							
B-4	35.5'				1	X							

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
Lisa A. Felci	11/28/89 16:41	Deborah L Fisher	11/28/89 16:41		



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Lisa A. Polos
Toxic Technology Services
PO Box 515
Rodeo, CA 94572

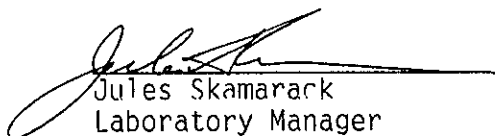
Date: 09-18-90
NET Client Acct No: 707
NET Pacific Log No: 3616
Received: 08-31-90 2300

Client Reference Information

Durham Transportation; Project: 90-4

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)

Client No: 707
 Client Name: Toxic Technology Services
 NET Log No: 3616

Date: 09-18-90
 Page: 2

Ref: Durham Transportation; Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-5 10'	MW-5 5'	Units
			08-31-90 61728	08-31-90 61729	
METHOD 8010					
DATE ANALYZED			09-07-90	09-07-90	
DILUTION FACTOR*			1	1	
Bromodichloromethane		2.0	ND	ND	ug/Kg
Bromoform		2.0	ND	ND	ug/Kg
Bromomethane		2.0	ND	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ND	ug/Kg
Chlorobenzene		2.0	ND	ND	ug/Kg
Chloroethane		2.0	ND	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ND	ug/Kg
Chloroform		2.0	ND	ND	ug/Kg
Chloromethane		2.0	ND	ND	ug/Kg
Dibromochloromethane		2.0	ND	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ND	ug/Kg
1,2-Dichloroethane		2.0	2.4	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
Methylene Chloride		50	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ug/Kg
Tetrachloroethene		2.0	ND	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ND	ug/Kg
Trichloroethene		2.0	ND	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ND	ug/Kg
Vinyl chloride		2.0	ND	ND	ug/Kg

Client No: 707
 Client Name: Toxic Technology Services
 NET Log No: 3616

Date: 09-18-90
 Page: 3

Ref: Durham Transportation; Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-5 10'	MW-5 5'	Units
			08-31-90	08-31-90	
			61728	61729	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			09-06-90	09-06-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	ND	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			09-06-90	09-06-90	
Benzene		2.5	37	ND	ug/Kg
Ethylbenzene		2.5	3.5	ND	ug/Kg
Toluene		2.5	16	3.9	ug/Kg
Xylenes, total		2.5	19	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			09-12-90	09-12-90	
DATE ANALYZED			09-12-90	09-12-90	
METHOD GC FID/3550			--	--	
as Diesel		1	ND	ND	mg/Kg
as Motor Oil		10	ND	ND	mg/Kg

Client No: 707
 Client Name: Toxic Technology Services
 NET Log No: 3616

Date: 09-18-90

Page: 4

Ref: Durham Transportation; Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-5 20'	MW-5 45'	Units
			08-31-90	08-31-90	
METHOD 8010					
DATE ANALYZED			09-07-90	09-07-90	
DILUTION FACTOR*			1	1	
Bromodichloromethane		2.0	ND	ND	ug/Kg
Bromoform		2.0	ND	ND	ug/Kg
Bromomethane		2.0	ND	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ND	ug/Kg
Chlorobenzene		2.0	ND	ND	ug/Kg
Chloroethane		2.0	ND	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ND	ug/Kg
Chloroform		2.0	ND	ND	ug/Kg
Chloromethane		2.0	ND	ND	ug/Kg
Dibromochloromethane		2.0	ND	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ND	ug/Kg
1,2-Dichloroethane		2.0	61	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
Methylene Chloride		50	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ug/Kg
Tetrachloroethene		2.0	ND	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ND	ug/Kg
Trichloroethene		2.0	ND	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ND	ug/Kg
Vinyl chloride		2.0	ND	ND	ug/Kg

Client No: 707
 Client Name: Toxic Technology Services
 NET Log No: 3616

Date: 09-18-90
 Page: 5

Ref: Durham Transportation; Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-5 20'	MW-5 45'	Units
			08-31-90	08-31-90	
			61730	61731	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			100	1	
DATE ANALYZED			09-06-90	09-06-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	560	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			100	1	
DATE ANALYZED			09-06-90	09-06-90	
Benzene		2.5	9,600	14	ug/Kg
Ethylbenzene		2.5	7,400	7.3	ug/Kg
Toluene		2.5	22,000	21	ug/Kg
Xylenes, total		2.5	45,000	34	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			09-12-90	09-12-90	
DATE ANALYZED			09-12-90	09-12-90	
METHOD GC FID/3550			--	--	
as Diesel		1	6.4	ND	mg/Kg
as Motor Oil		10	ND	ND	mg/Kg

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following, which supercedes the listed reporting limit.
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2]}/\text{mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- urhos/cm : Microrhos per centimeter.

Method References

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

- * Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated reporting limits by the dilution factor.

CHAIN OF CUSTODY RECORD

3616

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	REMARKS					
90-4		Durham Transportation			Normal TA					
SAMPLERS (Signature)					REMARKS					
Lisa Polos					* Please Take sample from center of core					
STA. NO	DATE	TIME	COMP.	GRAB	STATION LOCATION	IPH-G	IPH-D	BIE-D	Halogenated Hydrocarbons (GC/MS)	
MW-5	8/31/90				10'	X	X	X	X	*
MW-5	↓				5'	X	X	X	X	*
MW-5	↓				20'	X	X	X	X	*
MW-5	↓				45'	X	X	X	X	*

Relinquished by: (Signature) Lisa Polos	Date / Time 8/31/90 17:15	Received by: (Signature) James Sheen	Relinquished by: (Signature) James Sheen	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) James Sheen	Date / Time 8/31/90 2300	Remarks
------------------------------	-------------	--	-----------------------------	---------



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Lisa A. Polos
Toxic Technology Services
PO Box 515
Rodeo, CA 94572

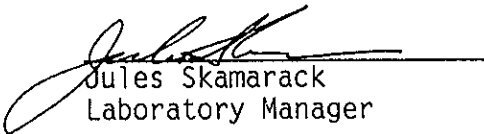
Date: 09-12-90
NET Client Acct No: 707
NET Pacific Log No: 3602
Received: 08-31-90 0800

Client Reference Information

Durham, Project: 90-4

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)

Client No: 707
Client Name: Toxic Technology Services
NET Log No: 3602

Date: 09-12-90

Page: 2

Ref: Durham, Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-6 20'	MW-6 30'	Units
			08-30-90	08-30-90	
			61656	61657	
METHOD 8010					
DATE ANALYZED			09-07-90	09-07-90	
DILUTION FACTOR*			1	1	
Bromodichloromethane		2.0	ND	ND	ug/Kg
Bromoform		2.0	ND	ND	ug/Kg
Bromomethane		2.0	ND	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ND	ug/Kg
Chlorobenzene		2.0	ND	ND	ug/Kg
Chloroethane		2.0	ND	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ND	ug/Kg
Chloroform		2.0	ND	ND	ug/Kg
Chloromethane		2.0	ND	ND	ug/Kg
Dibromochloromethane		2.0	ND	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	5.7	ug/Kg
1,1-Dichloroethene		2.0	ND	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
Methylene Chloride		50	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ug/Kg
Tetrachloroethene		2.0	ND	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ND	ug/Kg
Trichloroethene		2.0	ND	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ND	ug/Kg
Vinyl chloride		2.0	ND	ND	ug/Kg

Client No: 707
 Client Name: Toxic Technology Services
 NET Log No: 3602

Date: 09-12-90

Page: 3

Ref: Durham, Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-6 20'	MW-6 30'	Units
			08-30-90	08-30-90	
			61656	61657	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	20	
DATE ANALYZED			09-04-90	09-05-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	ND	23	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	20	
DATE ANALYZED			09-04-90	09-05-90	
Benzene		2.5	46	70	ug/Kg
Ethylbenzene		2.5	ND	60	ug/Kg
Toluene		2.5	ND	96	ug/Kg
Xylenes, total		2.5	ND	59	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			09-11-90	09-11-90	
DATE ANALYZED			09-11-90	09-11-90	
METHOD GC FID/3550			--	--	
as Diesel		1	ND	5.3	mg/Kg
as Motor Oil		10	ND	ND	mg/Kg

Client No: 707
Client Name: Toxic Technology Services
NET Log No: 3602

Date: 09-12-90

Page: 4

Ref: Durham, Project: 90-4

Descriptor, Lab No. and Results

MW-6 45'
08-30-90

Parameter	Method	Reporting Limit	61658	Units
METHOD 8010				
DATE ANALYZED			09-07-90	
DILUTION FACTOR*			1	
Bromodichloromethane		2.0	ND	ug/Kg
Bromoform		2.0	ND	ug/Kg
Bromomethane		2.0	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ug/Kg
Chlorobenzene		2.0	ND	ug/Kg
Chloroethane		2.0	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ug/Kg
Chloroform		2.0	ND	ug/Kg
Chloromethane		2.0	ND	ug/Kg
Dibromochloromethane		2.0	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ug/Kg
Methylene Chloride		50	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ug/Kg
Tetrachloroethene		2.0	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ug/Kg
Trichloroethene		2.0	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ug/Kg
Vinyl chloride		2.0	ND	ug/Kg

Client No: 707
 Client Name: Toxic Technology Services
 NET Log No: 3602

Date: 09-12-90
 Page: 5

Ref: Durham, Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	61658	Units
MW-6 45' 08-30-90				
PETROLEUM HYDROCARBONS			--	
VOLATILE (SOIL)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-05-90	
METHOD GC FID/5030			--	
as Gasoline		1	1.2	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			1	
DATE ANALYZED			09-05-90	
Benzene		2.5	20	ug/Kg
Ethylbenzene		2.5	15	ug/Kg
Toluene		2.5	35	ug/Kg
Xylenes, total		2.5	56	ug/Kg
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			09-11-90	
DATE ANALYZED			08-11-90	
METHOD GC FID/3550			--	
as Diesel		1	ND	mg/Kg
as Motor Oil		10	ND	mg/Kg

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following, which supercedes the listed reporting limit.
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- urnhos/cm : Microrrhos per centimeter.

Method References

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

- * Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated reporting limits by the dilution factor.



435 Tesconi Circle, Santa Rosa, CA 95401

CHAIN OF CUSTODY RECORD

3602

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS	<div style="border: 1px solid black; padding: 5px;"> TPH-G TPH-D BTEX Halogenated Hydrocarbons (POT) </div>					REMARKS
SAMPLERS: (Signature)												* = Take sample from center of core
STA. NO	DATE	TIME	COMP.	GRAB	STATION LOCATION							
90-4	Durham 90-4					Normal TA						
Lisa D. Poles (Lisa Poles)												
MW-6	8/30				20'	1	X	X	X	X	*	
MW-6	↓				30'	1	X	X	X	X	*	
MW-6	↓				45'	1	X	X	X	X	*	

included and about 6/5/91 custody seal 8/30/90 @ 19:00

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Lisa D. Poles	8/30/90 17 25	Jeff Winkler	Jeff Winkler	8/30/90	-
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
-					

Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks
LISA D. POLES		[Signature]	8/31/90 0800	



NATIONAL
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Fax: (707) 526-9623

Lisa Polos
Toxic Technology
P.O. Box 515
Rodeo, CA 94572

Date: 10-22-90
NET Client Acct No: 699
NET Pacific Log No: 4111
Received: 10-02-90 0800

Client Reference Information

Project: 90-4

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)



Client No: 699
Client Name: Durham Transportation, Inc
NET Log No: 4111

Date: 10-22-90

Page: 2

NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	B-1 5'	B-1 15'	Units
			10-01-90	10-01-90	
METHOD 8010					
DATE ANALYZED			10-10-90	10-10-90	
DILUTION FACTOR*			1	1	
Bromodichloromethane	2.0	ND	ND	ND	ug/Kg
Bromoform	2.0	ND	ND	ND	ug/Kg
Bromomethane	2.0	ND	ND	ND	ug/Kg
Carbon tetrachloride	2.0	ND	ND	ND	ug/Kg
Chlorobenzene	2.0	ND	ND	ND	ug/Kg
Chloroethane	2.0	ND	ND	ND	ug/Kg
2-Chloroethylvinyl ether	5.0	ND	ND	ND	ug/Kg
Chloroform	2.0	ND	ND	ND	ug/Kg
Chloromethane	2.0	ND	ND	ND	ug/Kg
Dibromochloromethane	2.0	ND	ND	ND	ug/Kg
1,2-Dichlorobenzene	2.0	ND	ND	ND	ug/Kg
1,3-Dichlorobenzene	2.0	ND	ND	ND	ug/Kg
1,4-Dichlorobenzene	2.0	ND	ND	ND	ug/Kg
Dichlorodifluoromethane	2.0	ND	ND	ND	ug/Kg
1,1-Dichloroethane	2.0	ND	ND	ND	ug/Kg
1,2-Dichloroethane	2.0	ND	ND	14	ug/Kg
1,1-Dichloroethene	2.0	ND	ND	ND	ug/Kg
trans-1,2-Dichloroethene	2.0	ND	ND	ND	ug/Kg
1,2-Dichloropropane	2.0	ND	ND	ND	ug/Kg
cis-1,3-Dichloropropene	2.0	ND	ND	ND	ug/Kg
trans-1,3-Dichloropropene	2.0	ND	ND	ND	ug/Kg
Methylene Chloride	50	ND	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane	2.0	ND	ND	ND	ug/Kg
Tetrachloroethene	2.0	ND	ND	ND	ug/Kg
1,1,1-Trichloroethane	2.0	ND	ND	ND	ug/Kg
1,1,2-Trichloroethane	2.0	ND	ND	ND	ug/Kg
Trichloroethene	2.0	ND	ND	ND	ug/Kg
Trichlorofluoromethane	2.0	ND	ND	ND	ug/Kg
Vinyl chloride	2.0	ND	ND	ND	ug/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90

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NET Pacific, Inc.

Ref: Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	B-1 5'	B-1 15'	Units
			10-01-90	10-01-90	
			64217	64218	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-09-90	10-10-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	ND	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-09-90	10-10-90	
Benzene		2.5	ND	40	ug/Kg
Ethylbenzene		2.5	ND	5.8	ug/Kg
Toluene		2.5	36	34	ug/Kg
Xylenes, total		2.5	ND	25	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			10-10-90	10-10-90	
DATE ANALYZED			10-11-90	10-11-90	
METHOD GC FID/3550			--	--	
as Diesel		1	ND	ND	mg/Kg
as Motor Oil		10	13	ND	mg/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90

Page: 4

NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

B-1 25'
 10-01-90

Parameter	Method	Reporting Limit	64219	Units
METHOD 8010				
DATE ANALYZED			10-11-90	
DILUTION FACTOR*			1	
Bromodichloromethane	2.0	ND		ug/Kg
Bromoform	2.0	ND		ug/Kg
Bromomethane	2.0	ND		ug/Kg
Carbon tetrachloride	2.0	ND		ug/Kg
Chlorobenzene	2.0	ND		ug/Kg
Chloroethane	2.0	ND		ug/Kg
2-Chloroethylvinyl ether	5.0	ND		ug/Kg
Chloroform	2.0	ND		ug/Kg
Chloromethane	2.0	ND		ug/Kg
Dibromochloromethane	2.0	ND		ug/Kg
1,2-Dichlorobenzene	2.0	ND		ug/Kg
1,3-Dichlorobenzene	2.0	ND		ug/Kg
1,4-Dichlorobenzene	2.0	ND		ug/Kg
Dichlorodifluoromethane	2.0	ND		ug/Kg
1,1-Dichloroethane	2.0	ND		ug/Kg
1,2-Dichloroethane	2.0	41		ug/Kg
1,1-Dichloroethene	2.0	ND		ug/Kg
trans-1,2-Dichloroethene	2.0	ND		ug/Kg
1,2-Dichloropropane	2.0	ND		ug/Kg
cis-1,3-Dichloropropene	2.0	ND		ug/Kg
trans-1,3-Dichloropropene	2.0	ND		ug/Kg
Methylene Chloride	50	ND		ug/Kg
1,1,2,2-Tetrachloroethane	2.0	ND		ug/Kg
Tetrachloroethene	2.0	ND		ug/Kg
1,1,1-Trichloroethane	2.0	ND		ug/Kg
1,1,2-Trichloroethane	2.0	ND		ug/Kg
Trichloroethene	2.0	ND		ug/Kg
Trichlorofluoromethane	2.0	ND		ug/Kg
Vinyl chloride	2.0	ND		ug/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90

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NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	64219	Units
B-1 25' 10-01-90				
PETROLEUM HYDROCARBONS			--	
VOLATILE (SOIL)			--	
DILUTION FACTOR *			10	
DATE ANALYZED			10-09-90	
METHOD GC FID/5030			--	
as Gasoline	1		150	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			50	
DATE ANALYZED			10-10-90	
Benzene	2.5		1200	ug/Kg
Ethylbenzene	2.5		2100	ug/Kg
Toluene	2.5		2400	ug/Kg
Xylenes, total	2.5		8400	ug/Kg
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			10-10-90	
DATE ANALYZED			10-11-90	
METHOD GC FID/3550			--	
as Diesel	1		3.7	mg/Kg
as Motor Oil	10		ND	mg/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90

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NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-7 Ang.Fts	MW-7 15'	Units
			10-01-90	10-01-90	
			64220	64221	
Oil & Grease(Total)	SM5520E	50	50	ND	mg/Kg
Oil & Grease(Non-Polar)	SM5520E/F	100	ND	ND	mg/Kg
METHOD 8010					
DATE ANALYZED			10-11-90	10-10-90	
DILUTION FACTOR*			1	1	
Bromodichloromethane		2.0	ND	ND	ug/Kg
Bromoform		2.0	ND	ND	ug/Kg
Bromomethane		2.0	ND	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ND	ug/Kg
Chlorobenzene		2.0	ND	ND	ug/Kg
Chloroethane		2.0	ND	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ND	ug/Kg
Chloroform		2.0	ND	ND	ug/Kg
Chloromethane		2.0	ND	ND	ug/Kg
Dibromochloromethane		2.0	ND	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ND	ug/Kg
1,2-Dichloroethane		2.0	5.9	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
Methylene Chloride		50	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ug/Kg
Tetrachloroethene		2.0	ND	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ND	ug/Kg
Trichloroethene		2.0	ND	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ND	ug/Kg
Vinyl chloride		2.0	ND	ND	ug/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90
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NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-7 Ang.Fts	MW-7 15'	Units
			10-01-90	10-01-90	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			20	1	
DATE ANALYZED			10-09-90	10-10-90	
METHOD GC FID/5030			--	--	
as Gasoline	1		120	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			50	1	
DATE ANALYZED			10-10-90	10-10-90	
Benzene	2.5		310	ND	ug/Kg
Ethylbenzene	2.5		1700	ND	ug/Kg
Toluene	2.5		1400	15	ug/Kg
Xylenes, total	2.5		6900	ND	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			10-10-90	10-10-90	
DATE ANALYZED			10-11-90	10-11-90	
METHOD GC FID/3550			--	--	
as Diesel	1		23	ND	mg/Kg
as Motor Oil	10		ND	ND	mg/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90

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NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-7 25'	MW-7 35'	Units
			10-01-90	10-01-90	
			64222	64223	
Oil & Grease(Total)	SM5520E	50	ND	ND	mg/Kg
Oil & Grease(Non-Polar)	SM5520E/F	100	ND	ND	mg/Kg
METHOD 8010					
DATE ANALYZED			10-10-90	10-10-90	
DILUTION FACTOR*			1	1	
Bromodichloromethane		2.0	ND	ND	ug/Kg
Bromoform		2.0	ND	ND	ug/Kg
Bromomethane		2.0	ND	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ND	ug/Kg
Chlorobenzene		2.0	ND	ND	ug/Kg
Chloroethane		2.0	ND	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ND	ug/Kg
Chloroform		2.0	ND	ND	ug/Kg
Chloromethane		2.0	ND	ND	ug/Kg
Dibromochloromethane		2.0	ND	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ND	ug/Kg
Methylene Chloride		50	ND	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ND	ug/Kg
Tetrachloroethene		2.0	ND	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ND	ug/Kg
Trichloroethene		2.0	ND	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ND	ug/Kg
Vinyl chloride		2.0	ND	ND	ug/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90

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NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-7 25'	MW-7 35'	Units
			10-01-90	10-01-90	
			64222	64223	
PETROLEUM HYDROCARBONS			--	--	
VOLATILE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-10-90	10-10-90	
METHOD GC FID/5030			--	--	
as Gasoline		1	ND	ND	mg/Kg
METHOD 8020			--	--	
DILUTION FACTOR *			1	1	
DATE ANALYZED			10-10-90	10-10-90	
Benzene		2.5	43	ND	ug/Kg
Ethylbenzene		2.5	3.4	ND	ug/Kg
Toluene		2.5	4.4	27	ug/Kg
Xylenes, total		2.5	10	5.7	ug/Kg
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (SOIL)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			10-10-90	10-10-90	
DATE ANALYZED			10-11-90	10-11-90	
METHOD GC FID/3550			--	--	
as Diesel		1	ND	ND	mg/Kg
as Motor Oil		10	ND	ND	mg/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90

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NET Pacific, Inc

Ref: Project: 90-4

Descriptor, Lab No. and Results

MW-7 45'
 10-01-90

Parameter	Method	Reporting Limit	64224	Units
Oil & Grease(Total)	SM5520E	50	ND	mg/Kg
Oil & Grease(Non-Polar)	SM5520E/F	100	ND	mg/Kg
METHOD 8010				
DATE ANALYZED			10-10-90	
DILUTION FACTOR*			1	
Bromodichloromethane		2.0	ND	ug/Kg
Bromoform		2.0	ND	ug/Kg
Bromomethane		2.0	ND	ug/Kg
Carbon tetrachloride		2.0	ND	ug/Kg
Chlorobenzene		2.0	ND	ug/Kg
Chloroethane		2.0	ND	ug/Kg
2-Chloroethylvinyl ether		5.0	ND	ug/Kg
Chloroform		2.0	ND	ug/Kg
Chloromethane		2.0	ND	ug/Kg
Dibromochloromethane		2.0	ND	ug/Kg
1,2-Dichlorobenzene		2.0	ND	ug/Kg
1,3-Dichlorobenzene		2.0	ND	ug/Kg
1,4-Dichlorobenzene		2.0	ND	ug/Kg
Dichlorodifluoromethane		2.0	ND	ug/Kg
1,1-Dichloroethane		2.0	ND	ug/Kg
1,2-Dichloroethane		2.0	ND	ug/Kg
1,1-Dichloroethene		2.0	ND	ug/Kg
trans-1,2-Dichloroethene		2.0	ND	ug/Kg
1,2-Dichloropropane		2.0	ND	ug/Kg
cis-1,3-Dichloropropene		2.0	ND	ug/Kg
trans-1,3-Dichloropropene		2.0	ND	ug/Kg
Methylene Chloride		50	ND	ug/Kg
1,1,2,2-Tetrachloroethane		2.0	ND	ug/Kg
Tetrachloroethene		2.0	ND	ug/Kg
1,1,1-Trichloroethane		2.0	ND	ug/Kg
1,1,2-Trichloroethane		2.0	ND	ug/Kg
Trichloroethene		2.0	ND	ug/Kg
Trichlorofluoromethane		2.0	ND	ug/Kg
Vinyl chloride		2.0	ND	ug/Kg



Client No: 699
 Client Name: Durham Transportation, Inc
 NET Log No: 4111

Date: 10-22-90
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NET Pacific, Inc Ref: Project: 90-4

Descriptor, Lab No. and Results

MW-7 45'
 10-01-90

Parameter	Method	Reporting Limit	64224	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (SOIL)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			10-10-90	
METHOD GC FID/5030			--	
as Gasoline	1		1.1	mg/Kg
METHOD 8020			--	
DILUTION FACTOR *			1	
DATE ANALYZED			10-10-90	
Benzene	2.5		7.1	ug/Kg
Ethylbenzene	2.5		12	ug/Kg
Toluene	2.5		36	ug/Kg
Xylenes, total	2.5		56	ug/Kg
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (SOIL)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			10-10-90	
DATE ANALYZED			10-11-90	
METHOD GC FID/3550			--	
as Diesel	1		ND	mg/Kg
as Motor Oil	10		ND	mg/Kg



NET Pacific, Inc

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2]}/\text{mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- umhos/cm : Micromhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

435 Tesconi Circle, Santa Rosa, CA 95401

CHAIN OF CUSTODY RECORD

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS						REMARKS
9044		Durham Transportation					TPH-G* TPH-D BTEX BOD (5-DAY) OIL & GREASE					
SAMPLERS: (Signature)		Cci Tech Technology Services 20 Box 75 Redwood, CA 94572 (415) 797-1140										
STA. NO	DATE	TIME	COMP.	GRAB	STATION LOCATION							
B-1	10/1/00			X	5 feet	1	X	X	X	X		Odor
B-1	10/1/00			X	15 "	1	X	X	X	X		odor
B-1	10/1/00			X	25 "	1	X	X	X	X		odor
MW-7				X	Anger Flights	1	X	X	X	X		Caution - probably high
MW-7				X	15'	1	X	X	X	X		sl. amt odor
MW-7				X	25'	1	X	X	X	X		
MW-7				X	35'	1	X	X	X	X		
MW-7				X	45'	1	X	X	X	X		

(111)

Please Boil Durham Trans. directly

REMARKS

Take sample from middle of core!

Relinquished by: (Signature) <i>Lise Polon</i>	Date / Time 10/1/00 5:45 P	Received by: (Signature) <i>James Green</i>	Relinquished by: (Signature) <i>James Green</i>	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by (Signature)	Date / Time	Received for Laboratory by: (Signature) <i>Schwarz</i>	Date / Time 10/2/00 10:00	Remarks	

APPENDIX E

TMA

Thermo Analytical Inc.

TMA/Norcal

2030 Wright Avenue

P O Box 4040

Richmond, CA 94804-0040

(415) 235-2633

December 8, 1989

Toxic Technology Services
P.O. Box 515
Rodeo, CA 94572

Attention: Lisa Polos


TMA/Norcal Reference: 6721-4

Dear Lisa:

Enclosed are the results of the analyses of water samples for Benzene, Toluene, Ethylbenzene, Xylenes, and Total Petroleum Hydrocarbons. The results for 6721-4-3 is unconfirmed. The confirmation analysis will be available Monday.

Please feel free to call with any questions.

Sincerely,


Victoria Taylor
Organics Department
Manager

VT/td

Toxic Technology Services
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December 8, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services


Date Received: 11/29/89

Client Sample I.D.: N/A

Date Analyzed: 12/11/89

TMA/Norcal I.D.: Method Blank

CAS. NO.	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
71-43-2	Benzene	<0.3	0.3
108-88-3	Toluene	<0.3	0.3
100-41-4	Ethylbenzene	<0.3	0.3
1330-20-7	Xylenes	<0.3	0.3


Analyst


Data Release Authorized By

Toxic Technology Services
Page 3
December 8, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services

Date Received: 11/29/89

Client Sample I.D.: MW3

Date Analyzed: 11/30/89

TMA/Norcal I.D.: 6742-4-1

CAS. NO.	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
71-43-2	Benzene	O.R.*	7.5
108-88-3	Toluene	1100	7.5
100-41-4	Ethylbenzene	680	7.5
1330-20-7	Xylenes	1100	7.5

* Over range

Diem Nguyen
Analyst

Victoria Taylor
Date Release Authorized By

Toxic Technology Services
Page 4
December 8, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services

Date Received: 11/29/89

Client Sample I.D.: MW3 DL

Date Analyzed: 12/1/89

TMA/Norcal I.D.: 6742-4-1 DL

CAS. NO.	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
71-43-2	Benzene	4600	15
108-88-3	Toluene	NQ	---
100-41-4	Ethylbenzene	NQ	---
1330-20-7	Xylenes	NQ	---

Diem Nguyen
Analyst

Victoria L. Taylor
Date Release Authorized By

Toxic Technology Services
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December 8, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services

Date Received: 11/29/89

Client Sample I.D.: BKUP-MW4

Date Analyzed: 11/30/89

TMA/Norcal I.D.: 6721-4-2

CAS. NO.	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
71-43-2	Benzene	33	0.3
108-88-3	Toluene	1.0	0.3
100-41-4	Ethylbenzene	1.3	0.3
1330-20-7	Xylenes	5.2	0.3

Diem Nguyen
Analyst

Victoria Taylor
Date Release Authorized By

Toxic Technology Services
 Page 6
 December 8, 1989

ANALYSIS RESULTS REPORT
 TOTAL PETROLEUM HYDROCARBONS
 WATER MATRIX

Client: Toxic Technology Services

Date Received: 11/29/89

Client Sample I.D.: 4

Date Analyzed: 11/30/89

Method: MOD 8015 P & T

TMA/SAMPLE I.D.	CLIENT I.D.	GASOLINE (mg/L)	DETECTION LIMITS (ug/L)
Method Blank	N/A	<0.5	0.5
6721-4-1	MW3	29	0.5
6721-4-2	BKUP-MW4	<0.5	0.5

Tom Kuyper
 Analyst

Victoria Taylor
 Date Release Authorized By

Toxic Technology Services
Page 7
December 8, 1989

EPA METHOD 8010
TARGET ANALYTE RESULTS

NORCAL I.D.: 6721-4-3

CLIENT I.D.: MW3-BKUP

CAS. NO.	COMPOUND	RESULTS (ug/L)	DETECTION LIMIT (ug/L)
75-71-8	Dichlorodifluoromethane	ND	2.00
29479-9	Chloromethane	ND	0.50
29584-5	Bromomethane	ND	1.20
75-01-4	Vinyl Chloride	ND	0.50
29480-2	Chloroethane	ND	0.52
75-09-2	Dichloromethane	ND	0.50
75-69-4	Trichlorofluoromethane	ND	0.80
75-35-4	1,1-Dichloroethene	ND	0.50
75-34-3	1,1-Dichloroethane	ND	0.50
156-60-5	trans-1,2-Dichloroethene	ND	0.50
76-66-3	Chloroform	ND	0.50
107-06-2	1,2-Dichloroethane	36	0.50
71-55-6	1,1,1-Trichloroethane	ND	0.50
56-23-5	Carbon Tetrachloride	ND	0.50
75-27-4	Bromodichloromethane	ND	0.50
78-87-5	1,2-Dichloropropane	ND	0.50
10061-02-6	trans-1,3-Dichloropropene	ND	0.50
79-01-6	Trichloroethene	ND	0.50
124-48-1	Chlorodibromomethane	ND	0.50
79-00-5	1,1,2-Trichloroethane	ND	0.50
10061-01-5	cis-1,3-Dichloropropene	ND	0.50
110-75-8	2-Chloroethylvinyl ether	ND	0.50
75-25-2	Bromoform	ND	0.50
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50
127-18-4	Tetrachloroethane	ND	0.50
108-90-7	Chlorobenzene	ND	0.50
541-73-1	1,3-Dichlorobenzene	ND	0.50
95-50-1	1,2-Dichlorobenzene	ND	0.50
106-46-7	1,4-Dichlorobenzene	ND	0.50

Dem Nguyen
Analyst

Victoria C. Lov
Data Release Authorized By

TMA
Thermo Analytical Inc.

TMA/Norcal
2030 Wright Avenue
P.O. Box 4040
Richmond, CA 94804-0040
(415) 235-2633

December 18, 1989

Toxic Technology Services
P.O. Box 515
Rodeo, CA 94572

Attention: Lisa Polos

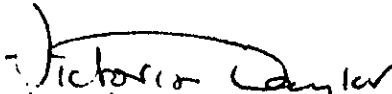
TMA/Norcal Reference: 6721-6

Dear Lisa:

Enclosed are the results of the analyses of soil samples received December 12, 1989.

Please feel free to call with any questions.

Sincerely,


Victoria Taylor
Organics Department
Supervisor

VT/td

Toxic Technology Services

Page 2

December 15, 1989

EPA METHOD 601
TARGET ANALYTE RESULTSClient: Toxic Technology Services
Client Sample I.D.: ABW 12-12
TMA/Norcal I.D.: 6721-6-2Date Received: 12/12/89
Date Analyzed: 12/14/89

CAS. NO.	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
75-71-8	Dichlorodifluoromethane	<2.00	2.00
29479-9	Chloromethane	<0.50	0.50
29584-5	Bromomethane	<1.20	1.20
75-01-4	Vinyl Chloride	<0.50	0.50
29480-2	Chloroethane	<0.52	0.52
75-09-2	Dichloromethane	<0.50	0.50
75-69-4	Trichlorofluoromethane	<0.80	0.80
75-35-4	1,1-Dichloroethene	<0.50	0.50
75-34-3	1,1-Dichloroethane	<0.50	0.50
156-60-5	trans-1,2-Dichloroethene	<0.50	0.50
76-66-3	Chloroform	<0.50	0.50
107-06-2	1,2-Dichloroethane	1.5	0.50
71-55-6	1,1,1-Trichloroethane	<0.50	0.50
56-23-5	Carbon Tetrachloride	<0.50	0.50
75-27-4	Bromodichloromethane	<0.50	0.50
78-87-5	1,2-Dichloropropane	<0.50	0.50
10061-02-6	trans-1,3-Dichloropropene	<0.50	0.50
79-01-6	Trichloroethene	<0.50	0.50
124-48-1	Chlorodibromomethane	<0.50	0.50
79-00-5	1,1,2-Trichloroethane	<0.50	0.50
10061-01-5	cis-1,3-Dichloropropene	<0.50	0.50
110-75-8	2-Chloroethylvinyl ether	<0.50	0.50
75-25-2	Bromoform	<0.50	0.50
79-34-5	1,1,2,2-Tetrachloroethane	<0.50	0.50
127-18-4	Tetrachloroethene	<0.50	0.50
108-90-7	Chlorobenzene	<0.50	0.50
541-73-1	1,3-Dichlorobenzene	<0.50	0.50
95-50-1	1,2-Dichlorobenzene	<0.50	0.50
106-46-7	1,4-Dichlorobenzene	<0.50	0.50

G. Schmitt
Analyst

Richard Dwyer
Data Release Authorized By

Toxic Technology Services
Page 3
December 15, 1989

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: Toxic Technology Services
Client Sample I.D.: ABW-12-12
TMA/Norcal I.D.:

Date Received: 12/12/89
Date Analyzed: 12/13/89

CAS. NO.	COMPOUND	RESULTS (ug/kg)	DETECTION LIMITS (ug/kg)
71-43-2	Benzene	200 ug/L	2.5 ug/L
108-88-3	Toluene	18 ug/L	0.3 ug/L
100-41-4	Ethylbenzene	24	0.3
108-38-3	Xylenes	34	0.5

A. J. Smith
Analyst

Dickinson Dwyer
Data Release Authorized By

Toxic Technology Services
Page 4
December 15, 1989

ANALYSIS RESULTS REPORT
TOTAL PETROLEUM HYDROCARBONS
WATER MATRIX

Client: Toxic Technology Services
Sample Delivery Group: 6
Analysis Method: P & T FULV

Date Received: 12/12/89
Date Analyzed: 12/13/89
Date Report: 12/15/89

TMA Sample I.D.	Client I.D.	Gasoline (mg/l)	Detection Limits (mg/l)
Blank	N/A	<1.0	0.5
6721-6-1	ABW 12-12	1.8	0.5

A. D. Smith
Analyst

Wickie Taylor
Date Release Authorized By

TMA
Thermo Analytical Inc.

TMA/Norcal
2030 Wright Avenue
P.O. Box 4040
Richmond, CA 94804-0040
(415) 235-2633 Fax No (415) 235-0438

January 15, 1990

Toxic Technologies
P.O. Box 515
Rodeo, CA 94572

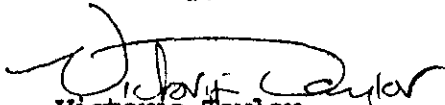
Attention: Lisa Polos

Dear Lisa:

Enclosed are the results of the metals analysis for samples received
November 29, 1989.

I am leaving TMA/Norcal as of January 17, 1990. Robert Fox will handle your
projects from that time forward.

Sincerely,


Victoria Taylor
Program Manager

VI/td
Enclosures



ENGINEERING-SCIENCE, INC.

RESEARCH AND DEVELOPMENT
LABORATORY
600 BANCROFT WAY
BERKELEY, CALIFORNIA 94710
(415) 841-7353

Date: December 11, 1989

Job No.: 5261-4202

Work Order No.: 1560

Client: TMA/NORCAL
Attention: Sample Control
Address: 2030 Wright Avenue
Richmond, Ca. 94804

Attached are the analytical reports for the sample(s) received by this laboratory on 10-20-89. Samples were received intact and at room temperature.

Sample Preparation Data

Laboratory Sample No.	Client Sample ID	Test	Date collected	Date* extracted	Date* 2nd col.
89120002	MW-3-6721-5-1	3020	N/A	12-05-89	
89120002	MW-3-6721-5-1	PB-F	11-29-89		
89120003	MW-4-6721-5-2	3020	N/A	12-05-89	
89120003	MW-4-6721-5-2	PB-F	11-29-89		

* If applicable

89-TMAN0004 1

CL-FRM01

ES-ENGINEERING SCIENCE, INC.

600 Bancroft Way
Berkeley, CA 94710

INORGANIC ANALYTICAL REPORT

Work Order No.: 1560

% Moisture: NA

Client ID: MW-3-6721-5-1 11/29/89
T-1117

Matrix: WATER

Laboratory ID: 89120002

Unit: mg/L

Parameter	Result	Reporting Limit	Analytical Method	Date Analyzed
LEAD	0.04	0.005	GF-AA	12/06/89

NA- Not Applicable
ND- Not Detected

ANALYST:

J. Michael

GROUP LEADER:

William S. Long 12/11/89

INORG 1

ES-ENGINEERING SCIENCE, INC.

500 Bancroft Way
Berkeley, CA 94710

INORGANIC ANALYTICAL REPORT

Work Order No.: 1560

% Moisture: NA

Client ID: MW-4-6721-5-2 11/29/89
T-1054

Matrix: WATER

Laboratory ID: 89120003

Unit: mg/L

Parameter	Result	Reporting Limit	Analytical Method	Date Analyzed
LEAD	0.012	0.005	GF-AA	12/06/89

NA- Not Applicable
ND- Not Detected

ANALYST: *J. Michael*

GROUP LEADER:

William S. Day 12/11/89

INORG 1

ES-ENGINEERING SCIENCE, INC.

600 Bancroft Way
Berkeley, CA 94710

INORGANIC ANALYTICAL REPORT

Work Order No.: 1560

% Moisture: NA

Client ID: NA

Matrix: WATER

Laboratory ID: PREPARATION BLANK

Unit: mg/L

Parameter	Result	Reporting Limit	Analytical Method	Date Analyzed
LEAD	ND	0.005	GF-AA	12/06/89

NA- Not Applicable

ND- Not Detected

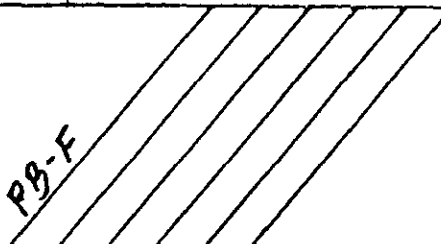
ANALYST: *J. Michael*

GROUP LEADER:

William S. ... 12/11/89

INORG 1

CHAIN OF CUSTODY RECORD

Proj. No. 526-4702		Project Name TMA - Norcal, Richmond, CA			NO. OF CONTAINERS						REMARKS
SAMPLERS (Signature)											
STA. NO.	DATE	TIME	STATION LOCATION								
	11/29	1117	MW-3-6721-5-1		1	X					89120002
	"	1054	MW-4-6721-5-2		1	X					89120003
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Relinquished by: (Signature)		Date/Time	Received by: (Signature)			
Relinquished by: (Signature)		Date/Time	Received by: (Signature)		Relinquished by: (Signature)		Date/Time	Received by: (Signature)			
Relinquished by: (Signature)		Date/Time	Received for Laboratory by: (Signature)		Date/Time	Remarks					
			<i>[Signature]</i>		11/30/09	Cool + Intact Am. Temp. °C					

2030 Wright Avenue
 Richmond, California 94804
 (415) 235-2633
 (TWX) 910-342-8132

TMA
 Thermo Analytical Inc.
 CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF CONTAINERS	analyzes						REMARKS
	(Signature)		Gas	ISTEX	TEL	PL			
87-12	CTTS, Inc								
	Lisa R. Polos								
location									
MW3		3	X	X					
MW4		3	X	X				Even use back-up list for GAS/ISTEX	

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
Yousif Polos	11/29/89 14:30	Deborah Fisher	11/29/89 14:30		

CHAIN OF CUSTODY RECORD

PROJ. NO. 89-12		PROJECT NAME Durham-Neekland			NO. OF CON- TAINERS	<i>analyses</i> <i>Gas / STEK</i> <i>BOLO (Chlorinated Hydrocarbons)</i>				REMARKS Please run on 3-4 wk day JA.
CTTIS, Inc PO Box 515 Rodao, CA 94572 Attn: Lisa Polos										
Location	Date	Time								
ABW										
ABW	12-12	11:00			2-UbAs	X				
ABW	12-12	11:50			2-UbAs	X				use back-up UoA
Relinquished by: (Signature) <i>Lisa A. Polos</i>		Date / Time 12/12/89 15:45	Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)		
Relinquished by: (Signature)		Date / Time	Received by: (Signature)		Relinquished by: (Signature)		Date / Time	Received by: (Signature)		
Relinquished by: (Signature)		Date / Time	Received for Laboratory by: (Signature) <i>Victoria Taylor</i>		Date / Time 12-12 3:50	Remarks				

Distribution: Original Accompanies Shipment; Copy to Coordinator Field Files

"quality environmental analyses"

**EPA METHOD 601
TARGET ANALYTE RESULTS**

Client: TOXIC TECHNOLOGY SERVICES
 Client Sample ID: MW-1
 TMA/Norcal SAMPLE ID: 6721-8-3

Date Received: 3/23/90
 Date Analyzed: 4/05/90

CAS No	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
75-71-8	Dichlorodifluoromethane	< 2.00	2.00
29479-9	Chloromethane	< 0.50	0.50
29584-5	Bromomethane	< 1.20	1.20
75-01-4	Vinyl Chloride	< 0.50	0.50
29480-2	Chloroethane	< 0.52	0.52
75-09-2	Dichloromethane	< 0.50	0.50
75-69-4	Trichlorofluoromethane	< 0.80	0.80
75-35-4	1,1-Dichloroethene	< 0.50	0.50
75-34-3	1,1-Dichloroethane	16	0.50
156-60-5	trans-1,2-Dichloroethene	< 0.50	0.50
76-66-3	Chloroform	< 0.50	0.50
107-06-2	1,2-Dichloroethane	< 0.50	0.50
71-55-6	1,1,1-Trichloroethane	< 0.50	0.50
56-23-5	Carbon Tetrachloride	< 0.50	0.50
75-27-4	Bromodichloromethane	< 0.50	0.50
78-87-5	1,2-Dichloropropane	< 0.50	0.50
10061-02-6	trans-1,3-Dichloropropene	< 0.50	0.50
79-01-6	Trichloroethene	< 0.50	0.50
124-48-1	Chlorodibromomethane	< 0.50	0.50
79-00-5	1,1,2-Trichloroethane	< 0.50	0.50
10061-01-5	cis-1,3-Dichloropropene	< 0.50	0.50
110-75-8	2-Chloroethylvinyl ether	< 0.50	0.50
75-25-2	Bromoform	< 0.50	0.50
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	0.50
127-18-4	Tetrachloroethene	< 0.50	0.50
108-90-7	Chlorobenzene	< 0.50	0.50
541-73-1	1,3-Dichlorobenzene	< 0.50	0.50
95-50-1	1,2-Dichlorobenzene	< 0.50	0.50
106-46-7	1,4-Dichlorobenzene	< 0.50	0.50

 R. Smith
 Analyst

 [Signature]
 Data Release Authorized By

**EPA METHOD 601
TARGET ANALYTE RESULTS**

Client: TOXIC TECHNOLOGY SERVICES
 Client Sample ID: MW-3
 TMA/Norcal SAMPLE ID: 6721-8-4

Date Received: 3/23/90
 Date Analyzed: 4/05/90

CAS No	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
75-71-8	Dichlorodifluoromethane	< 2.00	2.00
29479-9	Chloromethane	< 0.50	0.50
29584-5	Bromomethane	< 1.20	1.20
75-01-4	Vinyl Chloride	< 0.50	0.50
29480-2	Chloroethane	< 0.52	0.52
75-09-2	Dichloromethane	< 0.50	0.50
75-69-4	Trichlorofluoromethane	< 0.80	0.80
75-35-4	1,1-Dichloroethene	< 0.50	0.50
75-34-3	1,1-Dichloroethane	26	0.50
156-60-5	trans-1,2-Dichloroethene	< 0.50	0.50
76-66-3	Chloroform	< 0.50	0.50
107-06-2	1,2-Dichloroethane	< 0.50	0.50
71-55-6	1,1,1-Trichloroethane	< 0.50	0.50
56-23-5	Carbon Tetrachloride	< 0.50	0.50
75-27-4	Bromodichloromethane	< 0.50	0.50
78-87-5	1,2-Dichloropropane	< 0.50	0.50
10061-02-6	trans-1,3-Dichloropropene	< 0.50	0.50
79-01-6	Trichloroethene	< 0.50	0.50
124-48-1	Chlorodibromomethane	< 0.50	0.50
79-00-5	1,1,2-Trichloroethane	< 0.50	0.50
10061-01-5	cis-1,3-Dichloropropene	< 0.50	0.50
110-75-8	2-Chloroethylvinyl ether	< 0.50	0.50
75-25-2	Bromoform	< 0.50	0.50
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	0.50
127-18-4	Tetrachloroethene	< 0.50	0.50
108-90-7	Chlorobenzene	< 0.50	0.50
541-73-1	1,3-Dichlorobenzene	< 0.50	0.50
95-50-1	1,2-Dichlorobenzene	< 0.50	0.50
106-46-7	1,4-Dichlorobenzene	< 0.50	0.50

G.D. Smith
 Analyst

[Signature]
 Data Release Authorized By

**EPA METHOD 601
TARGET ANALYTE RESULTS**

Client: TOXIC TECHNOLOGY SERVICES
 Client Sample ID: MW-4
 TMA/Norcal SAMPLE ID: 6721-8-5

Date Received: 3/23/90
 Date Analyzed: 4/05/90

CAS No	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
75-71-8	Dichlorodifluoromethane	< 2.00	2.00
29479-9	Chloromethane	< 0.50	0.50
29584-5	Bromomethane	< 1.20	1.20
75-01-4	Vinyl Chloride	< 0.50	0.50
29480-2	Chloroethane	< 0.52	0.52
75-09-2	Dichloromethane	< 0.50	0.50
75-69-4	Trichlorofluoromethane	< 0.80	0.80
75-35-4	1,1-Dichloroethene	< 0.50	0.50
75-34-3	1,1-Dichloroethane	< 0.50	0.50
156-60-5	trans-1,2-Dichloroethene	< 0.50	0.50
76-66-3	Chloroform	< 0.50	0.50
107-06-2	1,2-Dichloroethane	< 0.50	0.50
71-55-6	1,1,1-Trichloroethane	< 0.50	0.50
56-23-5	Carbon Tetrachloride	< 0.50	0.50
75-27-4	Bromodichloromethane	< 0.50	0.50
78-87-5	1,2-Dichloropropane	< 0.50	0.50
10061-02-6	trans-1,3-Dichloropropene	< 0.50	0.50
79-01-6	Trichloroethene	< 0.50	0.50
124-48-1	Chlorodibromomethane	< 0.50	0.50
79-00-5	1,1,2-Trichloroethane	< 0.50	0.50
10061-01-5	cis-1,3-Dichloropropene	< 0.50	0.50
110-75-8	2-Chloroethylvinyl ether	< 0.50	0.50
75-25-2	Bromoform	< 0.50	0.50
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	0.50
127-18-4	Tetrachloroethene	< 0.50	0.50
108-90-7	Chlorobenzene	< 0.50	0.50
541-73-1	1,3-Dichlorobenzene	< 0.50	0.50
95-50-1	1,2-Dichlorobenzene	< 0.50	0.50
106-46-7	1,4-Dichlorobenzene	< 0.50	0.50

W. Smith
 Analyst

[Signature]
 Data Release Authorized By

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: TOXIC TECHNOLOGY SERVICES
 Client Sample ID: MW-1
 TMA/Norcal SAMPLE ID: 6721-8-3

Date Received: 3/23/90
 Date Analyzed: 4/05/90

CAS. No	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
71-43-2	Benzene	<u>2700</u>	6
108-88-3	Toluene	<u>840</u>	6
100-41-4	Ethylbenzene	<u>491</u>	6
108-38-3	Xylenes	<u>800</u>	12

Al Smith
 Analyst

[Signature]
 Data Release Authorized By

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: TOXIC TECHNOLOGY SERVICES
Client Sample ID: MW-3
TMA/Norcal SAMPLE ID: 6721-8-4

Date Received: 3/23/90
Date Analyzed: 4/06/90

<u>CAS. No</u>	<u>COMPOUND</u>	<u>RESULTS (ug/L)</u>	<u>DETECTION LIMITS (ug/L)</u>
71-43-2	Benzene	<u>2300</u>	6
108-88-3	Toluene	<u>300</u>	6
100-41-4	Ethylbenzene	<u>59</u>	6
108-38-3	Xylenes	<u>490</u>	12

GW Smith
Analyst

[Signature]
Data Release Authorized By

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: TOXIC TECHNOLOGY SERVICES
Client Sample ID: MW-4
TMA/Norcal SAMPLE ID: 6721-8-5

Date Received: 3/27/90
Date Analyzed: 4/06/90

<u>CAS. No</u>	<u>COMPOUND</u>	<u>RESULTS</u> <u>(ug/L)</u>	<u>DETECTION LIMITS</u> <u>(ug/L)</u>
71-43-2	Benzene	<u>7.4</u>	0.3
108-88-3	Toluene	<u>2.0</u>	0.3
100-41-4	Ethylbenzene	<u>2.0</u>	0.3
108-38-3	Xylenes	<u>1.1</u>	0.6

W. Smith
Analyst

[Signature]
Data Release Authorized By

Analysis Results Report
Total Petroleum Hydrocarbons
Water Matrix

Client: TOXIC TECHNOLOGY SERVICES
 Sample Delivery Group: 8
 Analysis/Method: MOD 8015 P.& T.

Date Received: 3/23/90
 Date Analyzed: 4/05/90
 Date Report: 4/09/90

<u>TMA Sample ID</u>	<u>Client ID</u>	<u>Gasoline</u> <u>(mg/L)</u>	<u>Detection Limits</u> <u>(mg/L)</u>
METHOD BLANK	NA	< <u>0.5</u>	0.5
6721-8-3	MW-1	<u>27</u>	0.5
6721-8-4	MW-3	<u>12</u>	0.5
6721-8-5	MW-4	< <u>0.5</u>	0.5

W. Smith
 Analyst

[Signature]
 Data Release Authorized By

EPA METHOD 8020
TARGET ANALYTE RESULTS

Client: TOXIC TECHNOLOGY SERVICES
Client Sample ID: NA
TMA/Norcal SAMPLE ID: METHOD BLANK

Date Received: NA
Date Analyzed: 4/05/90

<u>CAS. No</u>	<u>COMPOUND</u>	<u>RESULTS</u> <u>(ug/L)</u>	<u>DETECTION LIMITS</u> <u>(ug/L)</u>
71-43-2	Benzene	< 0.3	0.3
108-88-3	Toluene	< 0.3	0.3
100-41-4	Ethylbenzene	< 0.3	0.3
108-38-3	Xylenes	< 0.6	0.6

G. Wilson
Analyst

[Signature]
Data Release Authorized By

**EPA METHOD 601
TARGET ANALYTE RESULTS**

Client: TOXIC TECHNOLOGY SERVICES
 Client Sample ID: NA
 TMA/Norcal SAMPLE ID: METHOD BLANK

Date Received: NA
 Date Analyzed: 4/05/90

CAS No	COMPOUND	RESULTS (ug/L)	DETECTION LIMITS (ug/L)
75-71-8	Dichlorodifluoromethane	< 2.00	2.00
29479-9	Chloromethane	< 0.50	0.50
29584-5	Bromomethane	< 1.20	1.20
75-01-4	Vinyl Chloride	< 0.50	0.50
29480-2	Chloroethane	< 0.52	0.52
75-09-2	Dichloromethane	< 0.50	0.50
75-69-4	Trichlorofluoromethane	< 0.80	0.80
75-35-4	1,1-Dichloroethene	< 0.50	0.50
75-34-3	1,1-Dichloroethane	< 0.50	0.50
156-60-5	trans-1,2-Dichloroethene	< 0.50	0.50
76-66-3	Chloroform	< 0.50	0.50
107-06-2	1,2-Dichloroethane	< 0.50	0.50
71-55-6	1,1,1-Trichloroethane	< 0.50	0.50
56-23-5	Carbon Tetrachloride	< 0.50	0.50
75-27-4	Bromodichloromethane	< 0.50	0.50
78-87-5	1,2-Dichloropropane	< 0.50	0.50
10061-02-6	trans-1,3-Dichloropropene	< 0.50	0.50
79-01-6	Trichloroethene	< 0.50	0.50
124-48-1	Chlorodibromomethane	< 0.50	0.50
79-00-5	1,1,2-Trichloroethane	< 0.50	0.50
10061-01-5	cis-1,3-Dichloropropene	< 0.50	0.50
110-75-8	2-Chloroethylvinyl ether	< 0.50	0.50
75-25-2	Bromoform	< 0.50	0.50
79-34-5	1,1,2,2-Tetrachloroethane	< 0.50	0.50
127-18-4	Tetrachloroethene	< 0.50	0.50
108-90-7	Chlorobenzene	< 0.50	0.50
541-73-1	1,3-Dichlorobenzene	< 0.50	0.50
95-50-1	1,2-Dichlorobenzene	< 0.50	0.50
106-46-7	1,4-Dichlorobenzene	< 0.50	0.50

AD Smith
 Analyst

[Signature]
 Data Release Authorized By

2600 Wight Avenue
 Richmond, Colorado 84004
 (415) 235-2633
 (TWX) 910-362-8132

TMA
Thermo Analytical Inc.
CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME	NO. OF CON- TAINERS	analyses						REMARKS
90-2	Durham - MacLeod Rd.		TPH-G TOX Chlorinated (b/s) (SOL)						
<i>(Signature)</i> Lisa Poloz									
Date	Description								
3/23/90	MW-1		X	X	X				
↓	MW-3		X	X	X				
	MW-4		X	X	X				
Relinquished by: <i>(Signature)</i> Lisa Poloz	Date / Time 3/23/90 14:30	Received by: <i>(Signature)</i> M. Corset	Relinquished by: <i>(Signature)</i>			Date / Time		Received by: <i>(Signature)</i>	
Relinquished by: <i>(Signature)</i>	Date / Time	Received by: <i>(Signature)</i>	Relinquished by: <i>(Signature)</i>			Date / Time		Received by: <i>(Signature)</i>	
Relinquished by: <i>(Signature)</i>	Date / Time	Received for Laboratory by: <i>(Signature)</i>	Date / Time		Remarks				



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Lisa A. Polos
Toxic Technology Services
PO Box 515
Rodeo, CA 94572

Date: 07-27-90
NET Client Acct. No: 707
NET Pacific Log No: 2878
Received: 07-13-90 0800

Client Reference Information

Durham Transportation, Proj: 90-4

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:


Jules Skamarack
Laboratory Manager

Enclosure(s)

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 2878

Date: 07-27-90
Page: 2

Ref: Durham Transportation, Proj: 90-4

SAMPLE DESCRIPTION: MW-1 07-12-90
LAB Job No: (-57700)

Parameter	Method	Reporting Limit	Results	Units
METHOD 608				
DATE EXTRACTED			07-16-90	
DATE ANALYZED			07-25-90	
DILUTION FACTOR *			10	
Aldrin		0.02	ND	ug/L
alpha-BHC		0.005	ND	ug/L
beta-BHC		0.005	ND	ug/L
delta-BHC		0.005	ND	ug/L
gamma-BHC (Lindane)		0.02	ND	ug/L
Chlordane		0.4	ND	ug/L
4,4'-DDD		0.05	ND	ug/L
4,4'-DDE		0.05	ND	ug/L
4,4'-DDT		0.05	ND	ug/L
Dieldrin		0.05	ND	ug/L
Endosulfan I		0.05	ND	ug/L
Endosulfan II		0.05	ND	ug/L
Endosulfan sulfate		0.05	ND	ug/L
Endrin		0.05	ND	ug/L
Endrin aldehyde		0.05	ND	ug/L
Heptachlor		0.05	ND	ug/L
Heptachlor epoxide		0.05	ND	ug/L
Methoxychlor		0.08	ND	ug/L
Toxaphene		1.0	ND	ug/L
POLYCHLORINATED BIPHENYLS				
Aroclor 1016		2.0	ND	ug/L
Aroclor 1221		8.0	ND	ug/L
Aroclor 1232		3.0	ND	ug/L
Aroclor 1242		2.0	ND	ug/L
Aroclor 1248		2.0	ND	ug/L
Aroclor 1254		0.5	ND	ug/L
Aroclor 1260		0.5	ND	ug/L
METHOD 8010				
DATE ANALYZED			07-24-90	
DILUTION FACTOR*			1	
Bromodichloromethane		0.4	ND	ug/L
Bromoform		0.4	ND	ug/L
Bromomethane		0.4	ND	ug/L
Carbon tetrachloride		0.4	ND	ug/L
Chlorobenzene		0.4	ND	ug/L
Chloroethane		0.4	ND	ug/L
2-Chloroethylvinyl ether		1.0	ND	ug/L
Chloroform		0.4	ND	ug/L
Chloromethane		0.4	ND	ug/L
Dibromochloromethane		0.4	ND	ug/L

Client Acct: 707
 Client Name: Toxic Technology Services
 NET Log No: 2878

Date: 07-27-90
 Page: 3

Ref: Durham Transportation, Proj: 90-4

SAMPLE DESCRIPTION: MW-1 07-12-90
 LAB Job No: (-57700)

Parameter	Method	Reporting Limit	Results	Units
1,2-Dichlorobenzene		0.4	ND	ug/L
1,3-Dichlorobenzene		0.4	ND	ug/L
1,4-Dichlorobenzene		0.4	ND	ug/L
Dichlorodifluoromethane		0.4	ND	ug/L
1,1-Dichloroethane		0.4	ND	ug/L
1,2-Dichloroethane		0.4	62	ug/L
1,1-Dichloroethene		0.4	ND	ug/L
trans-1,2-Dichloroethene		0.4	ND	ug/L
1,2-Dichloropropane		0.4	ND	ug/L
cis-1,3-Dichloropropene		0.4	ND	ug/L
trans-1,3-Dichloropropene		0.4	ND	ug/L
Methylene Chloride		10	ND	ug/L
1,1,2,2-Tetrachloroethane		0.4	ND	ug/L
Tetrachloroethene		0.4	ND	ug/L
1,1,1-Trichloroethane		0.4	ND	ug/L
1,1,2-Trichloroethane		0.4	ND	ug/L
Trichloroethene		0.4	ND	ug/L
Trichlorofluoromethane		0.4	ND	ug/L
Vinyl chloride		2.0	ND	ug/L
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			100	
DATE ANALYZED			07-23-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	27	mg/L
METHOD 602			--	
DILUTION FACTOR *			100	
DATE ANALYZED			07-23-90	
Benzene		0.5	4,000	ug/L
Ethylbenzene		0.5	ND	ug/L
Toluene		0.5	1,500	ug/L
Xylenes, total		0.5	4,400	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			20	
DATE EXTRACTED			07-19-90	
DATE ANALYZED			07-19-90	
METHOD GC FID/3510			--	
as Diesel		0.05	11	mg/L
as Motor Oil		0.5	ND	mg/L
as Stoddard Solvent		0.05	ND	mg/L

Ref: Durham Transportation, Proj: 90-4

SAMPLE DESCRIPTION: MW-3 07-12-90
 LAB Job No: (-57701)

Parameter	Method	Reporting Limit	Results	Units
METHOD 608				
DATE EXTRACTED			07-16-90	
DATE ANALYZED			07-25-90	
DILUTION FACTOR *			2	
Aldrin		0.02	ND	ug/L
alpha-BHC		0.005	ND	ug/L
beta-BHC		0.005	ND	ug/L
delta-BHC		0.005	ND	ug/L
gamma-BHC (Lindane)		0.02	ND	ug/L
Chlordane		0.4	ND	ug/L
4,4'-DDD		0.05	ND	ug/L
4,4'-DDE		0.05	ND	ug/L
4,4'-DDT		0.05	ND	ug/L
Dieldrin		0.05	ND	ug/L
Endosulfan I		0.05	ND	ug/L
Endosulfan II		0.05	ND	ug/L
Endosulfan sulfate		0.05	ND	ug/L
Endrin		0.05	ND	ug/L
Endrin aldehyde		0.05	ND	ug/L
Heptachlor		0.05	ND	ug/L
Heptachlor epoxide		0.05	ND	ug/L
Methoxychlor		0.08	ND	ug/L
Toxaphene		1.0	ND	ug/L
POLYCHLORINATED BIPHENYLS				
Aroclor 1016		2.0	ND	ug/L
Aroclor 1221		8.0	ND	ug/L
Aroclor 1232		3.0	ND	ug/L
Aroclor 1242		2.0	ND	ug/L
Aroclor 1248		2.0	ND	ug/L
Aroclor 1254		0.5	ND	ug/L
Aroclor 1260		0.5	ND	ug/L
METHOD 8010				
DATE ANALYZED			07-24-90	
DILUTION FACTOR*			1	
Bromodichloromethane		0.4	ND	ug/L
Bromoform		0.4	ND	ug/L
Bromomethane		0.4	ND	ug/L
Carbon tetrachloride		0.4	ND	ug/L
Chlorobenzene		0.4	ND	ug/L
Chloroethane		0.4	ND	ug/L
2-Chloroethylvinyl ether		1.0	ND	ug/L
Chloroform		0.4	ND	ug/L
Chloromethane		0.4	ND	ug/L
Dibromochloromethane		0.4	ND	ug/L

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 2878

Date: 07-27-90
Page: 5

Ref: Durham Transportation, Proj: 90-4

SAMPLE DESCRIPTION: MW-3 07-12-90
LAB Job No: (-57701)

Parameter	Method	Reporting Limit	Results	Units
1,2-Dichlorobenzene		0.4	ND	ug/L
1,3-Dichlorobenzene		0.4	ND	ug/L
1,4-Dichlorobenzene		0.4	ND	ug/L
Dichlorodifluoromethane		0.4	ND	ug/L
1,1-Dichloroethane		0.4	ND	ug/L
1,2-Dichloroethane		0.4	67	ug/L
1,1-Dichloroethene		0.4	ND	ug/L
trans-1,2-Dichloroethene		0.4	ND	ug/L
1,2-Dichloropropane		0.4	ND	ug/L
cis-1,3-Dichloropropene		0.4	ND	ug/L
trans-1,3-Dichloropropene		0.4	ND	ug/L
Methylene Chloride		10	ND	ug/L
1,1,2,2-Tetrachloroethane		0.4	ND	ug/L
Tetrachloroethene		0.4	ND	ug/L
1,1,1-Trichloroethane		0.4	ND	ug/L
1,1,2-Trichloroethane		0.4	ND	ug/L
Trichloroethene		0.4	ND	ug/L
Trichlorofluoromethane		0.4	ND	ug/L
Vinyl chloride		2.0	ND	ug/L
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			10	
DATE ANALYZED			07-24-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	7.3	mg/L
METHOD 602			--	
DILUTION FACTOR *			100	
DATE ANALYZED			07-24-90	
Benzene		0.5	5,200	ug/L
Ethylbenzene		0.5	ND	ug/L
Toluene		0.5	440	ug/L
Xylenes, total		0.5	480	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			07-19-90	
DATE ANALYZED			07-19-90	
METHOD GC FID/3510			--	
as Diesel		0.05	0.99	mg/L
as Motor Oil		0.5	ND	mg/L
as Stoddard Solvent		0.05	ND	mg/L

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 2878

Date: 07-27-90
Page: 6

Ref: Durham Transportation, Proj: 90-4

SAMPLE DESCRIPTION: MW-4 07-12-90
LAB Job No: (-57702)

Parameter	Method	Reporting Limit	Results	Units
METHOD 608				
DATE EXTRACTED			07-16-90	
DATE ANALYZED			07-25-90	
DILUTION FACTOR *			1	
Aldrin		0.02	ND	ug/L
alpha-BHC		0.005	ND	ug/L
beta-BHC		0.005	ND	ug/L
delta-BHC		0.005	ND	ug/L
gamma-BHC (Lindane)		0.02	ND	ug/L
Chlordane		0.4	ND	ug/L
4,4'-DDD		0.05	ND	ug/L
4,4'-DDE		0.05	ND	ug/L
4,4'-DDT		0.05	ND	ug/L
Dieldrin		0.05	ND	ug/L
Endosulfan I		0.05	ND	ug/L
Endosulfan II		0.05	ND	ug/L
Endosulfan sulfate		0.05	ND	ug/L
Endrin		0.05	ND	ug/L
Endrin aldehyde		0.05	ND	ug/L
Heptachlor		0.05	ND	ug/L
Heptachlor epoxide		0.05	ND	ug/L
Methoxychlor		0.08	ND	ug/L
Toxaphene		1.0	ND	ug/L
POLYCHLORINATED BIPHENYLS				
Aroclor 1016		2.0	ND	ug/L
Aroclor 1221		8.0	ND	ug/L
Aroclor 1232		3.0	ND	ug/L
Aroclor 1242		2.0	ND	ug/L
Aroclor 1248		2.0	ND	ug/L
Aroclor 1254		0.5	ND	ug/L
Aroclor 1260		0.5	ND	ug/L
METHOD 8010				
DATE ANALYZED			07-24-90	
DILUTION FACTOR*			1	
Bromodichloromethane		0.4	ND	ug/L
Bromoform		0.4	ND	ug/L
Bromomethane		0.4	ND	ug/L
Carbon tetrachloride		0.4	ND	ug/L
Chlorobenzene		0.4	ND	ug/L
Chloroethane		0.4	ND	ug/L
2-Chloroethylvinyl ether		1.0	ND	ug/L
Chloroform		0.4	ND	ug/L
Chloromethane		0.4	ND	ug/L
Dibromochloromethane		0.4	ND	ug/L

Client Acct: 707
Client Name: Toxic Technology Services
NET Log No: 2878

Date: 07-27-90
Page: 7

Ref: Durham Transportation, Proj: 90-4

SAMPLE DESCRIPTION: MW-4 07-12-90
LAB Job No: (-57702)

Parameter	Method	Reporting Limit	Results	Units
1,2-Dichlorobenzene		0.4	ND	ug/L
1,3-Dichlorobenzene		0.4	ND	ug/L
1,4-Dichlorobenzene		0.4	ND	ug/L
Dichlorodifluoromethane		0.4	ND	ug/L
1,1-Dichloroethane		0.4	ND	ug/L
1,2-Dichloroethane		0.4	0.90	ug/L
1,1-Dichloroethene		0.4	ND	ug/L
trans-1,2-Dichloroethene		0.4	ND	ug/L
1,2-Dichloropropane		0.4	ND	ug/L
cis-1,3-Dichloropropene		0.4	ND	ug/L
trans-1,3-Dichloropropene		0.4	ND	ug/L
Methylene Chloride		10	ND	ug/L
1,1,2,2-Tetrachloroethane		0.4	ND	ug/L
Tetrachloroethene		0.4	ND	ug/L
1,1,1-Trichloroethane		0.4	ND	ug/L
1,1,2-Trichloroethane		0.4	ND	ug/L
Trichloroethene		0.4	ND	ug/L
Trichlorofluoromethane		0.4	ND	ug/L
Vinyl chloride		2.0	ND	ug/L
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			07-24-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	ND	mg/L
METHOD 602			--	
DILUTION FACTOR *			1	
DATE ANALYZED			07-24-90	
Benzene		0.5	ND	ug/L
Ethylbenzene		0.5	ND	ug/L
Toluene		0.5	ND	ug/L
Xylenes, total		0.5	ND	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			07-19-90	
DATE ANALYZED			07-19-90	
METHOD GC FID/3510			--	
as Diesel		0.05	ND	mg/L
as Motor Oil		0.5	ND	mg/L
as Stoddard Solvent		0.05	ND	mg/L

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following, which supercedes the listed reporting limit.
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- urhos/cm : Microrhos per centimeter.

Method References

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

- * Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated reporting limits by the dilution factor.

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NET

NET
 Thermo Analytical Inc.
 CHAIN OF CUSTODY RECORD

Call Dept. to Lisa Blo... (2070)
 Toxic Technology Services
 P.O. Box 515 (415)
 Redwood, CA 94572 779-1140

PROJ. NO.		PROJECT NAME				NO. OF CONTAINERS	analyses					REMARKS
90-4		Durham Transportation					TPHS/STEX	IPH-D	White Spirits	Pesticides	SOLO	
(Signature) Lisa A. Blo...												* White Spirits are defined as Stoddard Solvent
DATE	LOC.											
7/12/90	MW-1				10	X	X	X	X	X		
7/12/90	MW-3				10	X	X	X	X	X		
7/12/90	MW-4				10	X	X	X	X	X		

Relinquished by: (Signature) Lisa A. Blo...	Date / Time 7/12/90 5:20 P	Received by: (Signature) James Green	Relinquished by: (Signature) James Green	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) Sample	Date / Time 7/13/90 0800	Remarks	

*CUSTODY SEAL APPLIED 7/12/90 6:30p custody seal intact as 7/13



NATIONAL
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Toxic Technology Services
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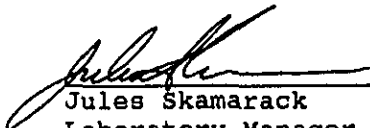
Date: 10-31-90
NET Client Acct. No: 699
NET Pacific Log No: 4366
Received: 10-12-90 2300

Client Reference Information

Project: 90-4

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:



Jules Skamarack
Laboratory Manager

Enclosure(s)

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4366

Date: 10-31-90
Page: 2

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-4 10-12-90
LAB Job No: (-65284)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	SM5520B	5	ND	mg/L
Oil & Grease(Non-Polar)	SM5520B/F	10	ND	mg/L
Lead (EPA 7421)	7421	0.002	ND	mg/L

METHOD 8010

DATE ANALYZED	10-19-90
DILUTION FACTOR*	1
Bromodichloromethane	0.4 ND ug/L
Bromoform	0.4 ND ug/L
Bromomethane	0.4 ND ug/L
Carbon tetrachloride	0.4 ND ug/L
Chlorobenzene	0.4 ND ug/L
Chloroethane	0.4 ND ug/L
2-Chloroethylvinyl ether	1.0 ND ug/L
Chloroform	0.4 ND ug/L
Chloromethane	0.4 ND ug/L
Dibromochloromethane	0.4 ND ug/L
1,2-Dichlorobenzene	0.4 ND ug/L
1,3-Dichlorobenzene	0.4 ND ug/L
1,4-Dichlorobenzene	0.4 ND ug/L
Dichlorodifluoromethane	0.4 ND ug/L
1,1-Dichloroethane	0.4 ND ug/L
1,2-Dichloroethane	0.4 0.5 ug/L
1,1-Dichloroethene	0.4 ND ug/L
trans-1,2-Dichloroethene	0.4 ND ug/L
1,2-Dichloropropane	0.4 ND ug/L
cis-1,3-Dichloropropene	0.4 ND ug/L
trans-1,3-Dichloropropene	0.4 ND ug/L
Methylene Chloride	10 ND ug/L
1,1,2,2-Tetrachloroethane	0.4 ND ug/L
Tetrachloroethene	0.4 ND ug/L
1,1,1-Trichloroethane	0.4 ND ug/L
1,1,2-Trichloroethane	0.4 ND ug/L
Trichloroethene	0.4 0.7 ug/L
Trichlorofluoromethane	0.4 ND ug/L
Vinyl chloride	2.0 ND ug/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4366

Date: 10-31-90
Page: 3

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-4 10-12-90
LAB Job No: (-65284)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			1	
DATE ANALYZED			10-23-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	ND	mg/L
METHOD 602			--	
DILUTION FACTOR *			1	
DATE ANALYZED			10-23-90	
Benzene		0.5	ND	ug/L
Ethylbenzene		0.5	ND	ug/L
Toluene		0.5	ND	ug/L
Xylenes, total		0.5	ND	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			10-18-90	
DATE ANALYZED			10-19-90	
METHOD GC FID/3510			--	
as Diesel		0.05	ND	mg/L
as Motor Oil		0.5	ND	mg/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4366

Date: 10-31-90
Page: 4

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-1 10-12-90
LAB Job No: (-65285)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	SM5520B	5	ND	mg/L
Oil & Grease(Non-Polar)	SM5520B/F	10	ND	mg/L
Lead (EPA 7421)	7421	0.002	0.009	mg/L

METHOD 8010

DATE ANALYZED		10-22-90	
DILUTION FACTOR*		2	
Bromodichloromethane	0.4	ND	ug/L
Bromoform	0.4	ND	ug/L
Bromomethane	0.4	ND	ug/L
Carbon tetrachloride	0.4	ND	ug/L
Chlorobenzene	0.4	1.4	ug/L
Chloroethane	0.4	ND	ug/L
2-Chloroethylvinyl ether	1.0	ND	ug/L
Chloroform	0.4	ND	ug/L
Chloromethane	0.4	ND	ug/L
Dibromochloromethane	0.4	ND	ug/L
1,2-Dichlorobenzene	0.4	ND	ug/L
1,3-Dichlorobenzene	0.4	ND	ug/L
1,4-Dichlorobenzene	0.4	ND	ug/L
Dichlorodifluoromethane	0.4	ND	ug/L
1,1-Dichloroethane	0.4	ND	ug/L
1,2-Dichloroethane	0.4	26	ug/L
1,1-Dichloroethene	0.4	ND	ug/L
trans-1,2-Dichloroethene	0.4	ND	ug/L
1,2-Dichloropropane	0.4	ND	ug/L
cis-1,3-Dichloropropene	0.4	ND	ug/L
trans-1,3-Dichloropropene	0.4	ND	ug/L
Methylene Chloride	10	ND	ug/L
1,1,2,2-Tetrachloroethane	0.4	ND	ug/L
Tetrachloroethene	0.4	ND	ug/L
1,1,1-Trichloroethane	0.4	ND	ug/L
1,1,2-Trichloroethane	0.4	ND	ug/L
Trichloroethene	0.4	ND	ug/L
Trichlorofluoromethane	0.4	ND	ug/L
Vinyl chloride	2.0	ND	ug/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4366

Date: 10-31-90
Page: 5

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-1 10-12-90
LAB Job No: (-65285)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			100	
DATE ANALYZED			10-23-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	43	mg/L
METHOD 602			--	
DILUTION FACTOR *			100	
DATE ANALYZED			10-23-90	
Benzene		0.5	3,400	ug/L
Ethylbenzene		0.5	1,200	ug/L
Toluene		0.5	2,700	ug/L
Xylenes, total		0.5	5,300	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			10	
DATE EXTRACTED			10-18-90	
DATE ANALYZED			10-29-90	
METHOD GC FID/3510			--	
as Diesel		0.05	8.5	mg/L
as Motor Oil		0.5	ND	mg/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4366

Date: 10-31-90
Page: 6

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-3 10-12-90
LAB Job No: (-65286)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	SM5520B	5	ND	mg/L
Oil & Grease(Non-Polar)	SM5520B/F	10	ND	mg/L

METHOD 8010

DATE ANALYZED		10-19-90	
DILUTION FACTOR*		1	
Bromodichloromethane	0.4	ND	ug/L
Bromoform	0.4	ND	ug/L
Bromomethane	0.4	ND	ug/L
Carbon tetrachloride	0.4	ND	ug/L
Chlorobenzene	0.4	ND	ug/L
Chloroethane	0.4	ND	ug/L
2-Chloroethylvinyl ether	1.0	ND	ug/L
Chloroform	0.4	ND	ug/L
Chloromethane	0.4	ND	ug/L
Dibromochloromethane	0.4	ND	ug/L
1,2-Dichlorobenzene	0.4	ND	ug/L
1,3-Dichlorobenzene	0.4	ND	ug/L
1,4-Dichlorobenzene	0.4	ND	ug/L
Dichlorodifluoromethane	0.4	ND	ug/L
1,1-Dichloroethane	0.4	ND	ug/L
1,2-Dichloroethane	0.4	48	ug/L
1,1-Dichloroethene	0.4	ND	ug/L
trans-1,2-Dichloroethene	0.4	ND	ug/L
1,2-Dichloropropane	0.4	ND	ug/L
cis-1,3-Dichloropropene	0.4	ND	ug/L
trans-1,3-Dichloropropene	0.4	ND	ug/L
Methylene Chloride	10	ND	ug/L
1,1,2,2-Tetrachloroethane	0.4	ND	ug/L
Tetrachloroethene	0.4	ND	ug/L
1,1,1-Trichloroethane	0.4	ND	ug/L
1,1,2-Trichloroethane	0.4	ND	ug/L
Trichloroethene	0.4	ND	ug/L
Trichlorofluoromethane	0.4	ND	ug/L
Vinyl chloride	2.0	ND	ug/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4366

Date: 10-31-90
Page: 7

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-3 10-12-90
LAB Job No: (-65286)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			10	
DATE ANALYZED			10-24-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	6.2	mg/L
METHOD 602			--	
DILUTION FACTOR *			10	
DATE ANALYZED			10-24-90	
Benzene		0.5	75	ug/L
Ethylbenzene		0.5	7.5	ug/L
Toluene		0.5	150	ug/L
Xylenes, total		0.5	250	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			10-18-90	
DATE ANALYZED			10-19-90	
METHOD GC FID/3510			--	
as Diesel		0.05	0.97	mg/L
as Motor Oil		0.5	ND	mg/L

KEY TO ABBREVIATIONS and METHOD REFERENCES

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- unhos/cm : Microrhos per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

CHAIN OF CUSTODY RECORD

Please Bill Durham
Dimitry 4366

PROJ. NO.		PROJECT NAME			NO. OF CONTAINERS							REMARKS
10-4		Durham Transition				OIL GREASE BOLD TOXIC TPH-G TPH-D Lead Low Detectable						
SAMPLERS (Signature)												
Lisa Polos - P. Polos											ZwETA Please	
STA. NO	DATE	TIME	COMP.	GRAB	STATION LOCATION							
MW4	10-12-90			X		7	X	X	X	X	X	
MW4	10-12-90			X		7	X	X	X	X	X	This well had floating product
MW3	12-12-90			X		6	X	X	X	X		

Relinquished by: (Signature) Lisa Polos	Date / Time 10/12/90 16:40	Received by: (Signature) Jeff Winkler	Relinquished by: (Signature) Jeff Winkler	Date / Time 10/12/90	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature) (VIA NLS)	Date / Time	Received for Laboratory by: (Signature) Example	Date / Time 10/12/90 23:00	Remarks custody seal intact 10/12/90	



NATIONAL
ENVIRONMENTAL
TESTING, INC.

NET Pacific, Inc.
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Lisa A. Polos
Toxic Technology Services
P.O. Box 515
Rodeo, CA 94572

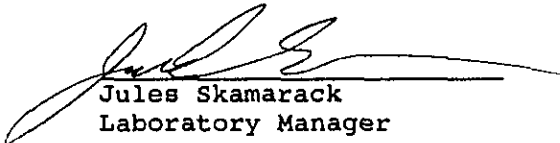
Date: 11-02-90
NET Client Acct. No: 699
NET Pacific Log No: 4433
Received: 10-18-90 0800

Client Reference Information

Project: 90-4

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

A handwritten signature in black ink, appearing to read "Jules Skamarack", is written over a horizontal line. Below the line, the name and title are printed.
Jules Skamarack
Laboratory Manager

Enclosure(s)

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4433

Date: 11-02-90
Page: 2

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-3 10-16-90
LAB Job No: (-65501)

Parameter	Method	Reporting Limit	Results	Units
Lead (EPA 7421)	7421	0.002	ND	mg/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4433

Date: 11-02-90
Page: 3

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-5 10-16-90
LAB Job No: (-65502)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	SM5520B	5	5.4	mg/L
Oil & Grease(Non-Polar)	SM5520B/F	10	ND	mg/L
Lead (EPA 7421)	7421	0.002	0.003	mg/L

METHOD 8010

DATE ANALYZED		10-25-90	
DILUTION FACTOR*		1	
Bromodichloromethane	0.4	ND	ug/L
Bromoform	0.4	ND	ug/L
Bromomethane	0.4	ND	ug/L
Carbon tetrachloride	0.4	ND	ug/L
Chlorobenzene	0.4	ND	ug/L
Chloroethane	0.4	ND	ug/L
2-Chloroethylvinyl ether	1.0	ND	ug/L
Chloroform	0.4	ND	ug/L
Chloromethane	0.4	ND	ug/L
Dibromochloromethane	0.4	ND	ug/L
1,2-Dichlorobenzene	0.4	ND	ug/L
1,3-Dichlorobenzene	0.4	ND	ug/L
1,4-Dichlorobenzene	0.4	ND	ug/L
Dichlorodifluoromethane	0.4	ND	ug/L
1,1-Dichloroethane	0.4	ND	ug/L
1,2-Dichloroethane	0.4	22	ug/L
1,1-Dichloroethene	0.4	ND	ug/L
trans-1,2-Dichloroethene	0.4	ND	ug/L
1,2-Dichloropropane	0.4	ND	ug/L
cis-1,3-Dichloropropene	0.4	ND	ug/L
trans-1,3-Dichloropropene	0.4	ND	ug/L
Methylene Chloride	10	ND	ug/L
1,1,2,2-Tetrachloroethane	0.4	ND	ug/L
Tetrachloroethene	0.4	ND	ug/L
1,1,1-Trichloroethane	0.4	ND	ug/L
1,1,2-Trichloroethane	0.4	ND	ug/L
Trichloroethene	0.4	ND	ug/L
Trichlorofluoromethane	0.4	ND	ug/L
Vinyl chloride	2.0	ND	ug/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4433

Date: 11-02-90
Page: 4

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-5 10-16-90
LAB Job No: (-65502)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS				--
VOLATILE (WATER)				--
DILUTION FACTOR *				20
DATE ANALYZED				10-27-90
METHOD GC FID/5030				--
as Gasoline		0.05	9.6	mg/L
METHOD 602				--
DILUTION FACTOR *				20
DATE ANALYZED				10-27-90
Benzene		0.5	1,200	ug/L
Ethylbenzene		0.5	70	ug/L
Toluene		0.5	160	ug/L
Xylenes, total		0.5	520	ug/L
PETROLEUM HYDROCARBONS				--
EXTRACTABLE (WATER)				--
DILUTION FACTOR *				1
DATE EXTRACTED				10-21-90
DATE ANALYZED				10-22-90
METHOD GC FID/3510				--
as Diesel		0.05	1.9	mg/L
as Motor Oil		0.5	ND	mg/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4433

Date: 11-02-90
Page: 5

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-6 10-16-90
LAB Job No: (-65503)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	SM5520B	5	ND	mg/L
Oil & Grease(Non-Polar)	SM5520B/F	10	ND	mg/L
Lead (EPA 7421)	7421	0.002	0.009	mg/L

METHOD 8010

DATE ANALYZED		10-25-90	
DILUTION FACTOR*		1	
Bromodichloromethane	0.4	ND	ug/L
Bromoform	0.4	ND	ug/L
Bromomethane	0.4	ND	ug/L
Carbon tetrachloride	0.4	ND	ug/L
Chlorobenzene	0.4	ND	ug/L
Chloroethane	0.4	ND	ug/L
2-Chloroethylvinyl ether	1.0	ND	ug/L
Chloroform	0.4	0.4	ug/L
Chloromethane	0.4	ND	ug/L
Dibromochloromethane	0.4	ND	ug/L
1,2-Dichlorobenzene	0.4	ND	ug/L
1,3-Dichlorobenzene	0.4	ND	ug/L
1,4-Dichlorobenzene	0.4	ND	ug/L
Dichlorodifluoromethane	0.4	ND	ug/L
1,1-Dichloroethane	0.4	ND	ug/L
1,2-Dichloroethane	0.4	40	ug/L
1,1-Dichloroethene	0.4	ND	ug/L
trans-1,2-Dichloroethene	0.4	ND	ug/L
1,2-Dichloropropane	0.4	ND	ug/L
cis-1,3-Dichloropropene	0.4	ND	ug/L
trans-1,3-Dichloropropene	0.4	ND	ug/L
Methylene Chloride	10	ND	ug/L
1,1,2,2-Tetrachloroethane	0.4	ND	ug/L
Tetrachloroethene	0.4	ND	ug/L
1,1,1-Trichloroethane	0.4	ND	ug/L
1,1,2-Trichloroethane	0.4	ND	ug/L
Trichloroethene	0.4	ND	ug/L
Trichlorofluoromethane	0.4	ND	ug/L
Vinyl chloride	2.0	ND	ug/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4433

Date: 11-02-90
Page: 6

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-6 10-16-90
LAB Job No: (-65503)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			50	
DATE ANALYZED			10-27-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	27	mg/L
METHOD 602			--	
DILUTION FACTOR *			50	
DATE ANALYZED			10-27-90	
Benzene		0.5	2,700	ug/L
Ethylbenzene		0.5	450	ug/L
Toluene		0.5	2,900	ug/L
Xylenes, total		0.5	3,300	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			10-21-90	
DATE ANALYZED			10-21-90	
METHOD GC FID/3510			--	
as Diesel		0.05	4.7	mg/L
as Motor Oil		0.5	ND	mg/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4433

Date: 11-02-90
Page: 7

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-7 10-16-90
LAB Job No: (-65504)

Parameter	Method	Reporting Limit	Results	Units
Oil & Grease(Total)	SM5520B	5	7.8	mg/L
Oil & Grease(Non-Polar)	SM5520B/F	10	ND	mg/L
Lead (EPA 7421)	7421	0.002	0.011	mg/L

METHOD 8010

DATE ANALYZED			10-25-90	
DILUTION FACTOR*			1	
Bromodichloromethane		0.4	ND	ug/L
Bromoform		0.4	ND	ug/L
Bromomethane		0.4	ND	ug/L
Carbon tetrachloride		0.4	ND	ug/L
Chlorobenzene		0.4	ND	ug/L
Chloroethane		0.4	ND	ug/L
2-Chloroethylvinyl ether		1.0	ND	ug/L
Chloroform		0.4	ND	ug/L
Chloromethane		0.4	ND	ug/L
Dibromochloromethane		0.4	ND	ug/L
1,2-Dichlorobenzene		0.4	ND	ug/L
1,3-Dichlorobenzene		0.4	ND	ug/L
1,4-Dichlorobenzene		0.4	ND	ug/L
Dichlorodifluoromethane		0.4	ND	ug/L
1,1-Dichloroethane		0.4	ND	ug/L
1,2-Dichloroethane		0.4	14	ug/L
1,1-Dichloroethene		0.4	ND	ug/L
trans-1,2-Dichloroethene		0.4	ND	ug/L
1,2-Dichloropropane		0.4	ND	ug/L
cis-1,3-Dichloropropene		0.4	ND	ug/L
trans-1,3-Dichloropropene		0.4	ND	ug/L
Methylene Chloride		10	ND	ug/L
1,1,2,2-Tetrachloroethane		0.4	ND	ug/L
Tetrachloroethene		0.4	1.3	ug/L
1,1,1-Trichloroethane		0.4	ND	ug/L
1,1,2-Trichloroethane		0.4	ND	ug/L
Trichloroethene		0.4	ND	ug/L
Trichlorofluoromethane		0.4	ND	ug/L
Vinyl chloride		2.0	ND	ug/L

Client Acct: 699
Client Name: Durham Transportation, Inc
NET Log No: 4433

Date: 11-02-90
Page: 8

Ref: Project: 90-4

SAMPLE DESCRIPTION: MW-7 10-16-90
LAB Job No: (-65504)

Parameter	Method	Reporting Limit	Results	Units
PETROLEUM HYDROCARBONS			--	
VOLATILE (WATER)			--	
DILUTION FACTOR *			10	
DATE ANALYZED			10-26-90	
METHOD GC FID/5030			--	
as Gasoline		0.05	14	mg/L
METHOD 602			--	
DILUTION FACTOR *			10	
DATE ANALYZED			10-26-90	
Benzene		0.5	390	ug/L
Ethylbenzene		0.5	ND	ug/L
Toluene		0.5	18	ug/L
Xylenes, total		0.5	1,200	ug/L
PETROLEUM HYDROCARBONS			--	
EXTRACTABLE (WATER)			--	
DILUTION FACTOR *			1	
DATE EXTRACTED			10-21-90	
DATE ANALYZED			10-22-90	
METHOD GC FID/3510			--	
as Diesel		0.05	2.7	mg/L
as Motor Oil		0.5	ND	mg/L

- < : Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
- * : Reporting Limits are a function of the dilution factor for any given sample. To obtain the actual reporting limits for this sample, multiply the stated Reporting Limits by the dilution factor (but do not multiply reported values).
- ICVS : Initial Calibration Verification Standard (External Standard).
- mean : Average; sum of measurements divided by number of measurements.
- mg/Kg (ppm) : Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
- mg/L : Concentration in units of milligrams of analyte per liter of sample.
- mL/L/hr : Milliliters per liter per hour.
- MPN/100 mL : Most probable number of bacteria per one hundred milliliters of sample.
- N/A : Not applicable.
- NA : Not analyzed.
- ND : Not detected; the analyte concentration is less than applicable listed reporting limit.
- NTU : Nephelometric turbidity units.
- RPD : Relative percent difference, $100 \text{ [Value 1 - Value 2] / mean value}$.
- SNA : Standard not available.
- ug/Kg (ppb) : Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
- ug/L : Concentration in units of micrograms of analyte per liter of sample.
- unhos/cm : Microns per centimeter.

Method References

Methods 100 through 493: see "Methods for Chemical Analysis of Water & Wastes", U.S. EPA, 600/4-79-020, rev. 1983.

Methods 601 through 625: see "Guidelines Establishing Test Procedures for the Analysis of Pollutants" U.S. EPA, 40 CFR, Part 136, rev. 1988.

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986.

SM: see "Standard Methods for the Examination of Water & Wastewater, 16th Edition, APHA, 1985.

435 Texcon Circle, Santa Rosa, CA 95401

CHAIN OF CUSTODY RECORD

Please Bill Durheim Directly 4433

PROJ. NO.		PROJECT NAME		NO. OF CONTAINERS	ANALYSIS					REMARKS	
90-4		Durham Transportation			Lead (Low Sulfet.)	Oil G	TPH-D	IBH-6: BTEX	BOD10 (5 days)		
SAMPLERS: (Signature) Lisa A. Palas				Toxic Technology Services PO Box 515 Redwood, CA 94572							
STA. NO	DATE	TIME	COMP.	GRAB	STATION LOCATION						
MW-3	10/16			X		1	X				Normal TA Please
MW-5	↓			X		7	X	X	X	X	
MW-6	↓			X		7	X	X	X	X	
MW-7	↓			X		7	X	X	X	X	

custody seal intact 6-10/15/90
custody seal 10/17/90 @ 19:00

Relinquished by: (Signature) Lisa A. Palas	Date / Time 10/17/90 9:49	Received by: (Signature) Jeff Amick	Relinquished by: (Signature) Jeff Amick	Date / Time 10/17	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished		
Relinquished by: (Signature) (V.A.N.C.S.)	Date / Time	Received for Laboratory by: (Signature) K. Kump	Date / Time 10/18/90 0800		

Post-It™ brand fax transmittal memo 7571 # of pages 1

To: Jack Alt	From: Lisa Palas
Co: Episera	Co:
Dept:	Phone #