File No. 4-02-742-ST

SOIL SAMPLING BENEATH REMOVED UST FROM THE PROPERTY LOCATED AT 3800 SAN PABLO AVENUE EMERYVILLE, CALIFORNIA JUNE 11, 2002

PREPARED FOR:
MS. ELAINE KIRK
MARKS MANAGEMENT CO.
555 MONTGOMERY STREET, SUITE 1205
SAN FRANCISCO, CALIFORNIA 94111

BY:
ENVIRO SOIL TECH CONSULTANTS
131 TULLY ROAD
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ENVIRO SOIL TECH CONSULTANTS

File No. 4-02-742-ST

LIST OF TABLE

LIST OF FIGURES

LIST OF APPENDICES

File No. 4-02-742-ST

TABLE OF CONTENTS

PAGE NO.

ENVIRO SOIL TECH CONSULTANTS

Environmental & Geotechnical Consultants

131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111

Tel: (408) 297-1500 Fax: (408) 292-2116

June 11, 2002

File No. 4-02-742-ST

Ms. Elaine Kirk
Marks Management Co.
555 Montgomery Street, Suite 1205
San Francisco, California 94111

SUBJECT: SOIL SAMPLING BENEATH REMOVED UST FROM THE PROPERTY
Located at 3800 San Pablo Avenue, in Emeryville, California

Dear Ms. Kirk:

Per your request and authorization, our firm has conducted soil sampling services beneath the removed underground storage tanks from the property located at 3800 San Pablo Avenue, in Emeryville, California (Figure 1). The sampling and analytical testing were conducted in accordance with state and local agencies' standard procedures. The soil sampling was conducted under the supervision of Mr. Robert Weston with Alameda County Health Care Services Agency-Environmental Health Services (ACHCSA-EHS).

FIELD ACTIVITIES:

On May 2, 2002, after the excavation and removal of one 550 gallon and one 1000 gallon heating oil tanks, five discrete soil samples were collected from beneath the

excavated USTs area at a depth of approximately 7 feet below the surface by Enviro Soil Tech Consultants (ESTC) field engineer. Soil samples from the removed tanks were labeled as T1-7-1 and T2-6.5-1. The approximate locations of soil samples are shown on Figure 2, and Table 1 summarizes the soil sample analytical results.

Based on the odor and discoloration of the samples, Mr. Robert Weston with ACHCSA-EHS suggested that the over-excavation of the tanks' pit areas and sampling of the over-excavation area. Therefore, the tanks' pits were over-excavated to the depth of 10 to 11 feet, and additional soil samples were collected. The soil samples were labeled as T1-10-2, T2-8.5-2 and T2-11-3. The excavated soil was stockpiled at the back of the property and covered with visquine for further sampling and disposal.

SAMPLING PROCEDURES:

Soil sample was collected in a clean tube with the aid of hand sampler by moving aside slough materials and retrieving native materials from the specified and measured depth. A clean two-inch diameter brass tube sampler was driven into the soil. Immediately upon sampling, the tube ends were covered with aluminum foil and plastic caps, sealed, labeled and placed in a cold ice chest for transport to Curtis & Tompkins, Ltd., in Berkeley, with a proper chain-of-custody documentation.

LABORATORY ANALYSES:

Per the request of Mr. Robert Weston with ACHCSA-EHS, the soil samples from underground storage tank excavation were analyzed for Total Petroleum Hydrocarbons as gasoline and diesel (TPHg and TPHd) per EPA Methods 5030/8015B; Benzene, Toluene,

Ethylbenzene, Total Xylenes (BTEX), Methyl Tertiary Butyl Ether (MTBE) and other fuel hydrocarbon oxygenates compounds per EPA Method 8260; Total Oil & Grease (TOG) per EPA Method 8015B; Semi-Volatile Organic Compounds (SVOC) per EPA Method 8270; Polychlorinated Biphenyls (PCB) per EPA Method 8082; PNA; Creosote and five CAM metals. The result of soil sample analyses is summarized in Table 1. The laboratory test results with the chain-of-custody are attached in Appendix "C".

ANALYTICAL RESULTS:

Soil sample from the tank excavation detected levels of TPHg ranging from 26 milligram per kilogram (mg/Kg) to the maximum of 440 mg/Kg; TPHd ranging from 18 mg/Kg to maximum of 280 mg/Kg; TOG ranging from 18 mg/Kg to maximum of 304 mg/Kg; Ethylbenzene ranging from non-detectable to the maximum of 3200 microgram per kilogram (µg/Kg); Total Xylenes from non-detectable to maximum of 480 µg/Kg; Cadmium from 0.85 to maximum of 1 µg/Kg; Chromium ranging from 25 µg/Kg to the maximum of 29 µg/Kg; Nickel from 36 µg/Kg to the maximum of 54 µg/Kg; Lead ranging from 4.2 µg/Kg to the maximum of 5.3 µg/Kg and Zinc from 35 µg/Kg to maximum of 47 µg/Kg. Other fuel hydrocarbon oxygenated compounds were detected in all soil samples. Five soil samples detected Benzene, Toluene, MTBE, PNA, Creosote and SVOC below laboratory detection limit.

CONCLUSION AND RECOMMENATION:

Based on the results of the laboratory for the soil samples collected from the tanks pits, the contamination was reduced with the depth increase. However, the final results indicated that there is still some residual contamination left behind; therefore, to assure the water quality, further investigation may be required by ACHCSA-EHS.

This report must be submitted to the ACHCSA-EHS and Regional Water Quality Control Board-San Francisco Bay Region (RWQCB-SFBR) for their comments and recommendations.

LIMITATIONS:

This report was prepared in accordance with the currently accepted standards for environmental investigation. The contents of this report reflect the conditions of the subject site during sampling. No other warranties, expressed or implied, as to the professional advice provided are made.

It has been a pleasure to be of service to you on this project. If you have any questions or require additional information, please feel free to contact our office at (408) 297-1500.

Sincerely,

ENVIRO SOIL TECH CONSULTANTS

FRANK HAMEDI-FARD
GENERAL MANAGER

LAWRENCE KOO, P. E.
C. E. #34928

File No. 4-02-742-ST

A P P E N D I X "A"

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File No. 4-02-742-ST

TABLE 1
SUMMARY OF SOIL SAMPLES
ANALYTICAL RESULTS

TPHg, TPHd and TOG Results in Milligram Per Kilogram (mg/Kg)

Date	Sample No.	Depth (ft.)	TPHg	TPHd	TOG
5/02/02	T1-7-1	7	440	280L	304LY
	T1-10-2	10	26	97L	106.9LY
	T2-6.5-1	6.5	46	29L	29L
	T2-8.5-2	8.5	370	24L	24L
	T2-11-3	11	59	18L	18L

File No. 4-02-742-ST

TABLE 1 CONT'D
SUMMARY OF SOIL SAMPLES
ANALYTICAL RESULTS

BTEX, MTBE, EPA 8270, PNA and CREOSOTE Results in Microgram Per Kilogram (µg/Kg)

Date	Sample No.	B	T	E	X	MTBE	EPA 8270	PNA	Creosote
5/02/02	T1-7-1	ND<130	ND<130	ND<130	ND<130	ND<130	ND<330	ND<12	ND<3300
	T1-10-2	ND<23	ND<23	ND<23	ND<23	ND<23	ND<340	ND<12	ND<3400
	T2-6.5-1	ND<25	ND<25	57	ND<25	ND<25	ND<330	ND<12	ND<3300
	T2-8.5-2	ND<130	ND<130	3200	480	ND<130	ND<330	ND<12	ND<3300
	T2-11-3	ND<13	ND<13	69	ND<13	ND<13	ND<330	ND<12	ND<3300

TPHg – Total Petroleum Hydrocarbons as gasoline
BTEX – Benzene, Toluene, Ethylbenzene, Total Xylenes
TOG – Total Oil & Grease
EPA 8270 – Semi-Volatile Organic Compounds
ND – Not Detected (Below Laboratory Detection Limit)
Y – Sample exhibits fuel pattern which does not resemble standard

TPHd – Total Petroleum Hydrocarbons as diesel
MTBE – Methyl Tertiary Butyl Ether
EPA 8260 – Fuel Hydrocarbons Oxygenated Compounds
PNA (EPA 8280) – Dioxins & Furans
L – Lighter hydrocarbons contributed to the quantitation

TABLE 1 CONT'D
SUMMARY OF SOIL SAMPLES
ANALYTICAL RESULTS

EPA 8260 and CAM Metals Results in Microgram Per Kilogram (µg/Kg)

Date	Sample No.	EPA 8260		CAM Metals	
5/02/02	T1-7-1	Isopropylbenzene	260	Cadmium	0.85
		Propylbenzene	910	Chromium	26
		n-Butylbenzene	490	Nickel	37
				Lead	4.7
				Zinc	35
	T1-10-2	Isopropylbenzene	37	Cadmium	0.96
		Propylbenzene	140	Chromium	29
		n-Butylbenzene	67	Nickel	38
				Lead	7.4
				Zinc	47
	T2-6.5-1	Ethylbenzene	57	Cadmium	0.95
		Isopropylbenzene	130	Chromium	28
		Propylbenzene	640	Nickel	37
		sec-Butylbenzene	150	Lead	4.2
		para-Isopropyl Toluene	130	Zinc	44
		n-Butylbenzene	670		
	T2-8.5-2	Ethylbenzene	3200	Cadmium	0.86
		m,p-Xylenes	480	Chromium	25
		Isopropylbenzene	650	Nickel	36
		Propylbenzene	2800	Lead	5.3
		1,3,5-Trimethylbenzene	370	Zinc	34
		sec-Butylbenzene	380		
		para-Isopropyl Toluene	510		
		n-Butylbenzene	1900		
		Naphthalene	250		
	T2-11-3	Acetone	59	Cadmium	1
		2-Butanone	36	Chromium	29
		Ethylbenzene	69	Nickel	54
		Propylbenzene	39	Lead	5.7
		n-Butylbenzene	19	Zinc	42

File No. 4-02-742-ST

A P P E N D I X "B"

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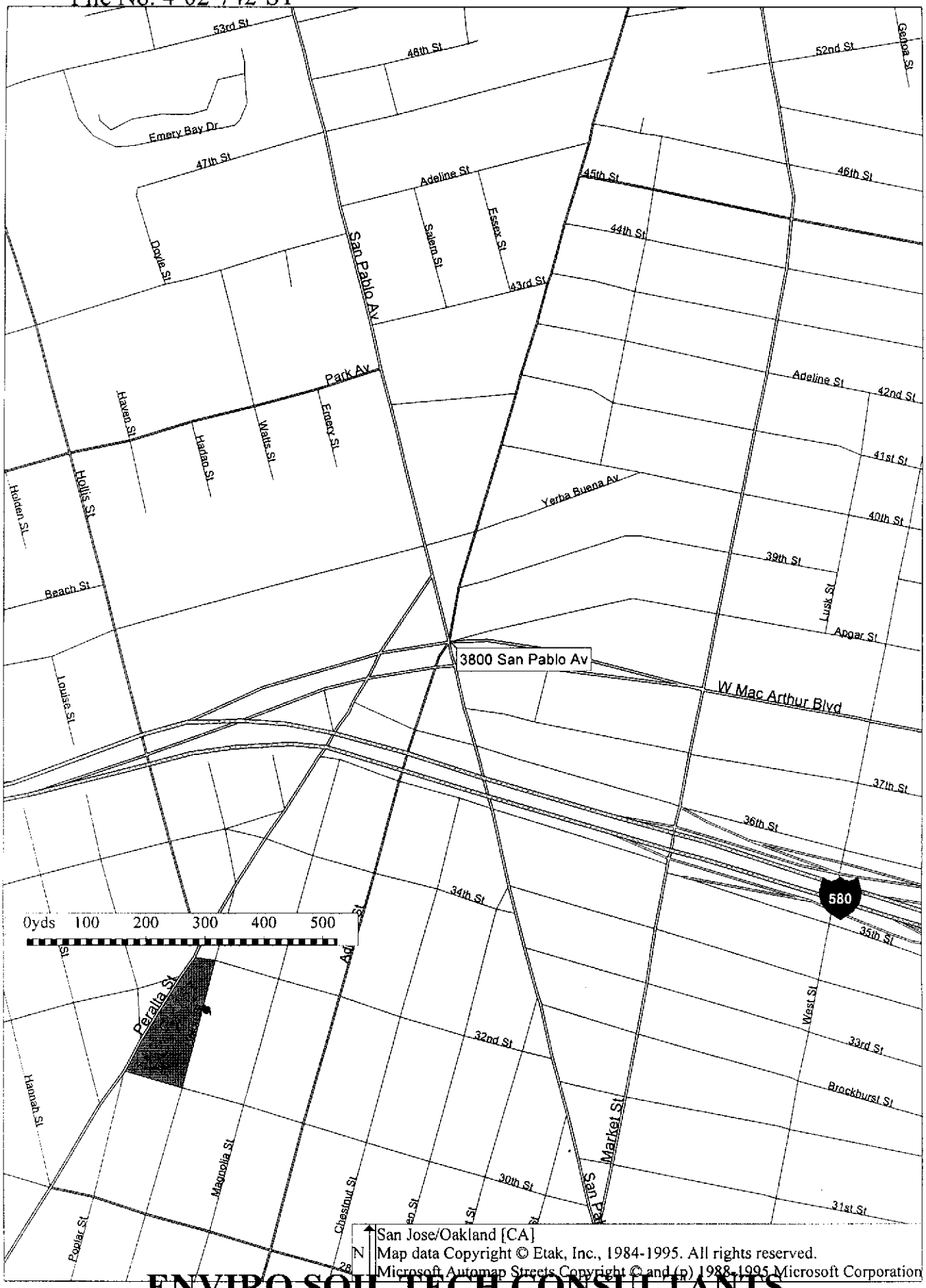
File No. 4-02-742-ST

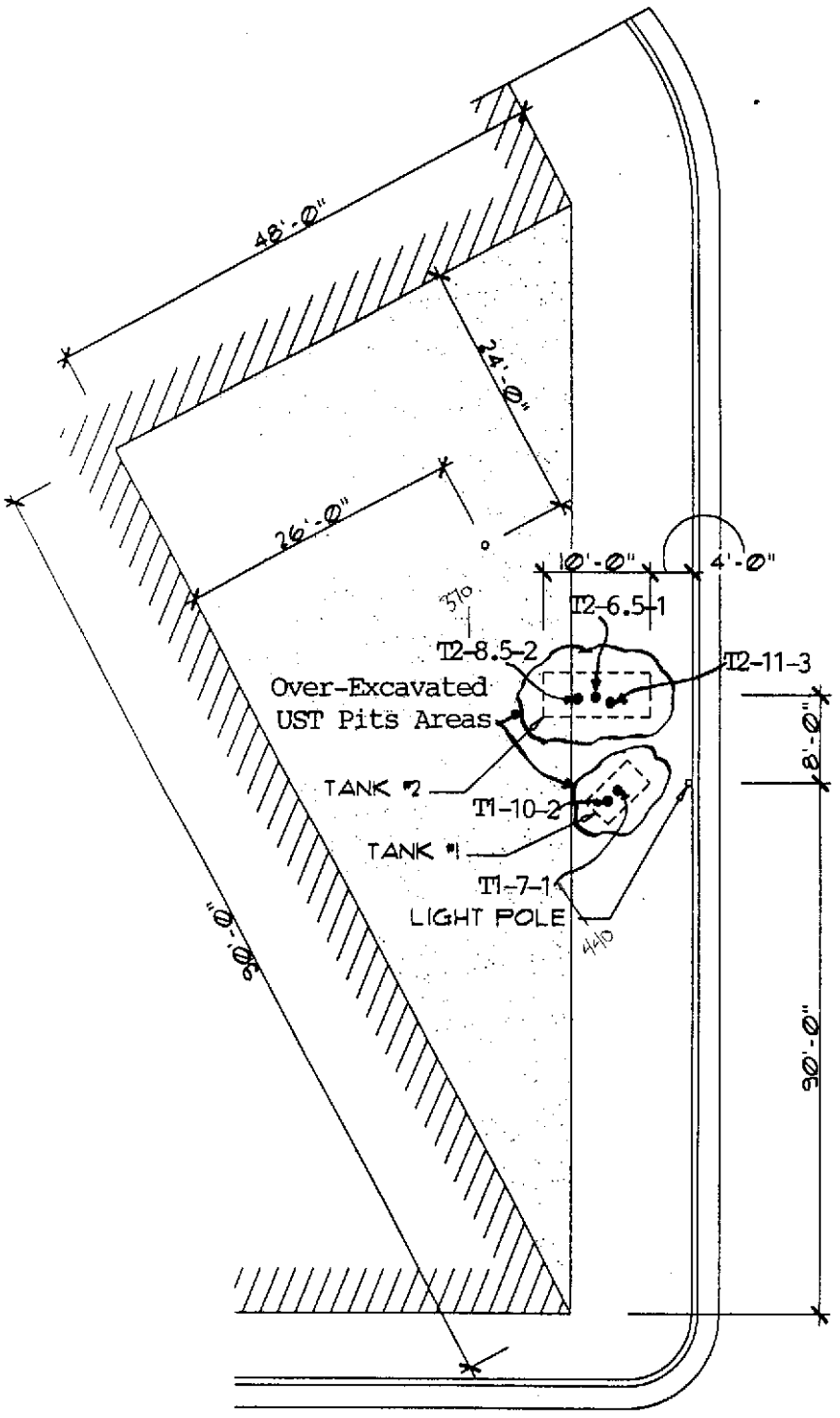


ENVIRO SOIL TECH CONSULTANTS

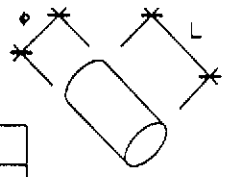
Figure 1

M1

Rev.	Date	Description	By



TANK No.	V g.	ϕ In.	L In.	D in.
1	550	36	67	24
2	1000	48	120	24



L = Length
D = Depth
g. = Gallons
V = Capacity
ϕ = Diameter

ENVIRO SOIL TECH CONSULTANTS
ENVIRONMENTAL & GEOTECHNICAL CONSULTANTS
131, TULLY ROAD, SAN JOSE, CALIFORNIA, 95111
Tel : (408) 297-1500 FAX : (408) 292-2116

Job Title :	000000000000000				
File No : 4-02-742-ST		Drawn by :	KB	Sheet :	SK1
Date :	05/06/02	Checked by :	FH		

File No. 4-02-742-ST

A P P E N D I X "C"

ENVIRO SOIL TECH CONSULTANTS

Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878
2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

ANALYTICAL REPORT

Prepared for:

Enviro Soil Tech Consultants
131 Tully Road
San Jose, CA 95111

Date: 14-MAY-02
Lab Job Number: 158420
Project ID: 4-02-742-ST
Location: N/A

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: Paul Prendergast
Project Manager

Reviewed by:
Operations Manager

Curtis & Tompkins, Ltd.

Laboratory Number:	**158420**
Client:	**Enviro Soil Tech Consultants**
Project Name:	**Standard**
Project #:	**4-02-742-ST**
Receipt Date:	**05/03/02**

CASE NARRATIVE

This hardcopy data package contains sample results and batch QC results for five soil samples received from the above referenced project on May 3rd, 2002. The samples were received cold and intact.

Total Volatile Hydrocarbons (EPA 8015B(M)):

The recoveries for the trifluorotoluene surrogate for client ID T2-8.5-2 (C&T ID 158420-004) and the bromofluorobenzene surrogates for all other samples were over the acceptable QC limits due to coelution of sample hydrocarbons with these surrogates. The recovery and the relative percent difference between the sample spike (C&T ID 158425-001) and its duplicate were outside the acceptable QC limits for gasoline for batch number 72096. This sample was not submitted by the client but was in the same batch. The associated blank spike and its duplicate were acceptable so the quality of the sample data should not be affected. No other analytical problems were encountered.

Total Extractable Hydrocarbons (EPA 8015B(M)):

No analytical problems were encountered.

Purgeable Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

Semivolatile Organics by GC/MS (EPA 8270C):

No analytical problems were encountered.

Polychlorinated Biphenyls (EPA 8082):

No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

150420

CHAIN OF CUSTODY RECORD

PROJ. NO. 4-02-7 | NAME 42-ST

SAMPLERS: (Signature)

NO.	DATE	TIME	SOIL	WATER	LOCATION	CONTAINER	Analyses Requested (2) TPH6	TPHD 5-20	TPH 8015 3550	8260	Cd Cr Pb Zn Ni	8270, PCB, PCP, PNA Creosote	REMARKS
-1			V		T_1-7-1								
-2			V		T_1-10-2								
			~~V~~		~~T_1~~								
-3			V		T_2-6.5-1								
-4			V		T_2-8.5-2								
-5			V		T_2-11-3								

Received ☑ On Ice ☑ Cold ☐ Ambient ☑ Intact

Preservation Correct? ☑ Yes ☐ No ☐ N/A

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Receive by: (Signature)
[signature]	5/3/02 11:10 am	[signature] 5-3-02 11:10am			
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
		[signature]			
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks	
				Rush	

ENVIRO SOIL TECH CONSULTANTS
Environmental & Geotechnical Consultants
131 TULLY ROAD, SAN JOSE, CALIFORNIA 95111
Tel: (408) 297-1500 Fax: (408) 292-2116

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	8015B(M)
Project#:	4-02-742-ST		
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received		

Field ID:	T1-7-1	Diln Fac:	10.00
Type:	SAMPLE	Batch#:	72096
Lab ID:	158420-001	Analyzed:	05/07/02

Analyte	Result	RL
Gasoline C7-C12	440	10

Surrogate	%REC	Limits
Trifluorotoluene (FID)	131	58-144
Bromofluorobenzene (FID)	206 *	60-146

Field ID:	T1-10-2	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	72075
Lab ID:	158420-002	Analyzed:	05/07/02

Analyte	Result	RL
Gasoline C7-C12	26	1.1

Surrogate	%REC	Limits
Trifluorotoluene (FID)	127	58-144
Bromofluorobenzene (FID)	161 *	60-146

Field ID:	T2-6.5-1	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	72075
Lab ID:	158420-003	Analyzed:	05/07/02

Analyte	Result	RL
Gasoline C7-C12	46	0.95

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	58-144
Bromofluorobenzene (FID)	191 *	60-146

Field ID:	T2-8.5-2	Diln Fac:	25.00
Type:	SAMPLE	Batch#:	72075
Lab ID:	158420-004	Analyzed:	05/06/02

Analyte	Result	RL
Gasoline C7-C12	370	25

Surrogate	%REC	Limits
Trifluorotoluene (FID)	192 *	58-144
Bromofluorobenzene (FID)	138	60-146

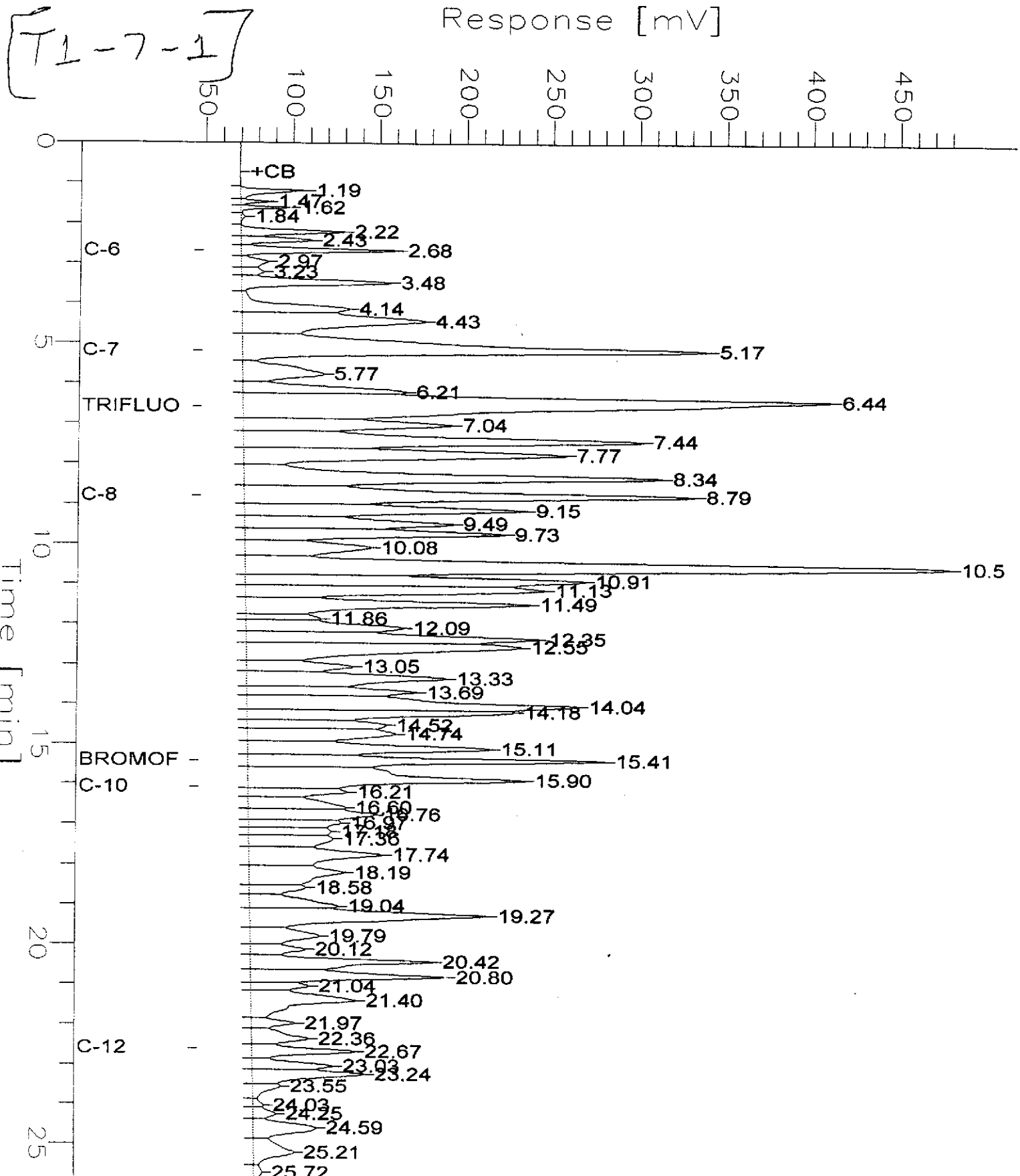
*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 158420-001,72096,TVH ONLY
FileName : G:\GC04\DATA\127J021.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 49 mV

Sample #: A Page 1 of 1
Date : 5/8/02 06:48 AM
Time of Injection: 5/7/02 08:25 PM
Low Point : 48.73 mV High Point : 481.03 mV
Plot Scale: 432.3 mV

T1-7-1

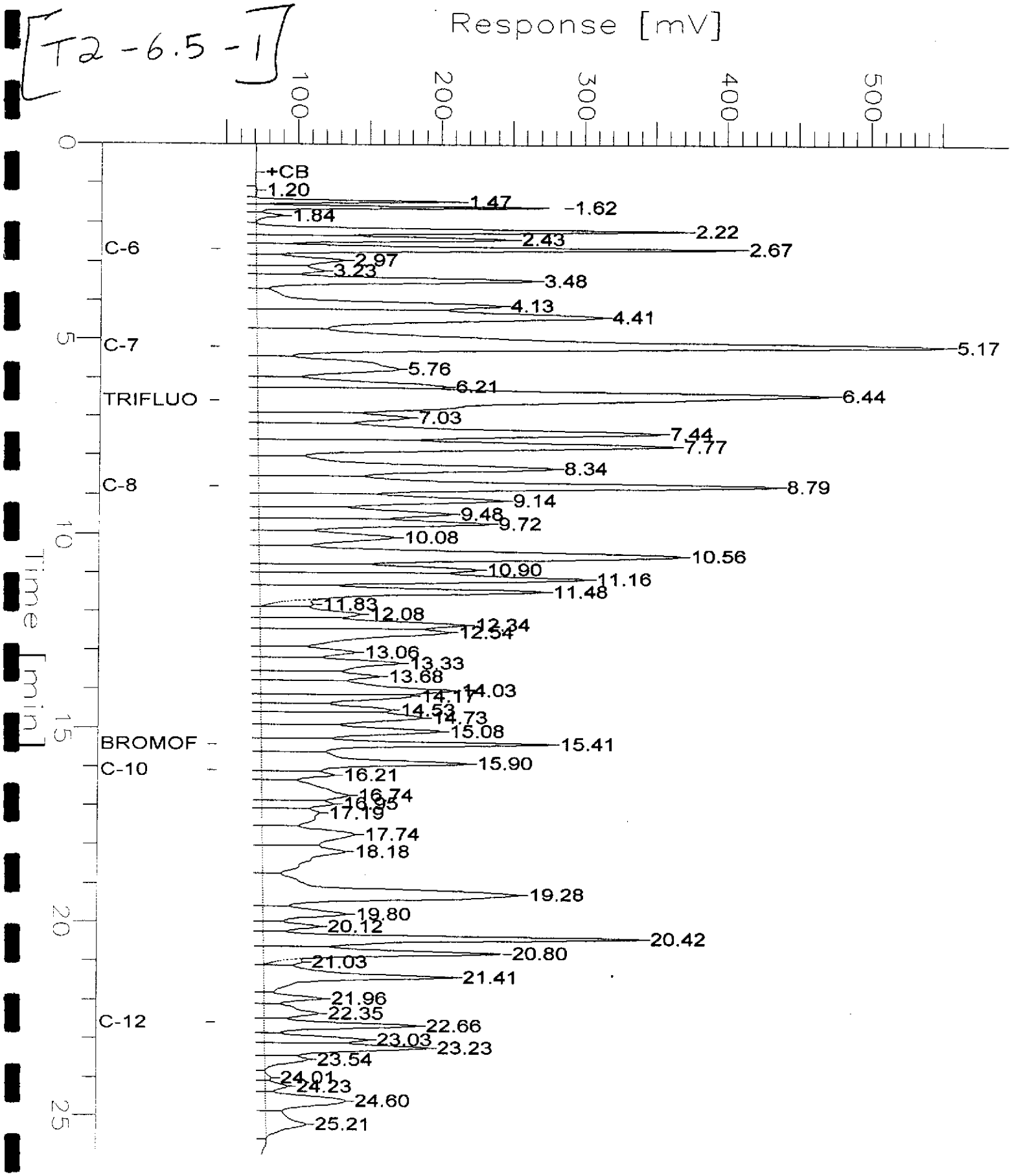


GC04 TVH 'J' Data File FID

Sample Name : 158420-003,72075,tvh only
FileName : G:\GC04\DATA\126J023.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 46 mV

Sample #: a
Date : 5/7/02 01:23 AM
Time of Injection: 5/7/02 12:57 AM
Low Point : 46.28 mV High Point : 553.96 mV
Plot Scale: 507.7 mV

[T2-6.5-1]

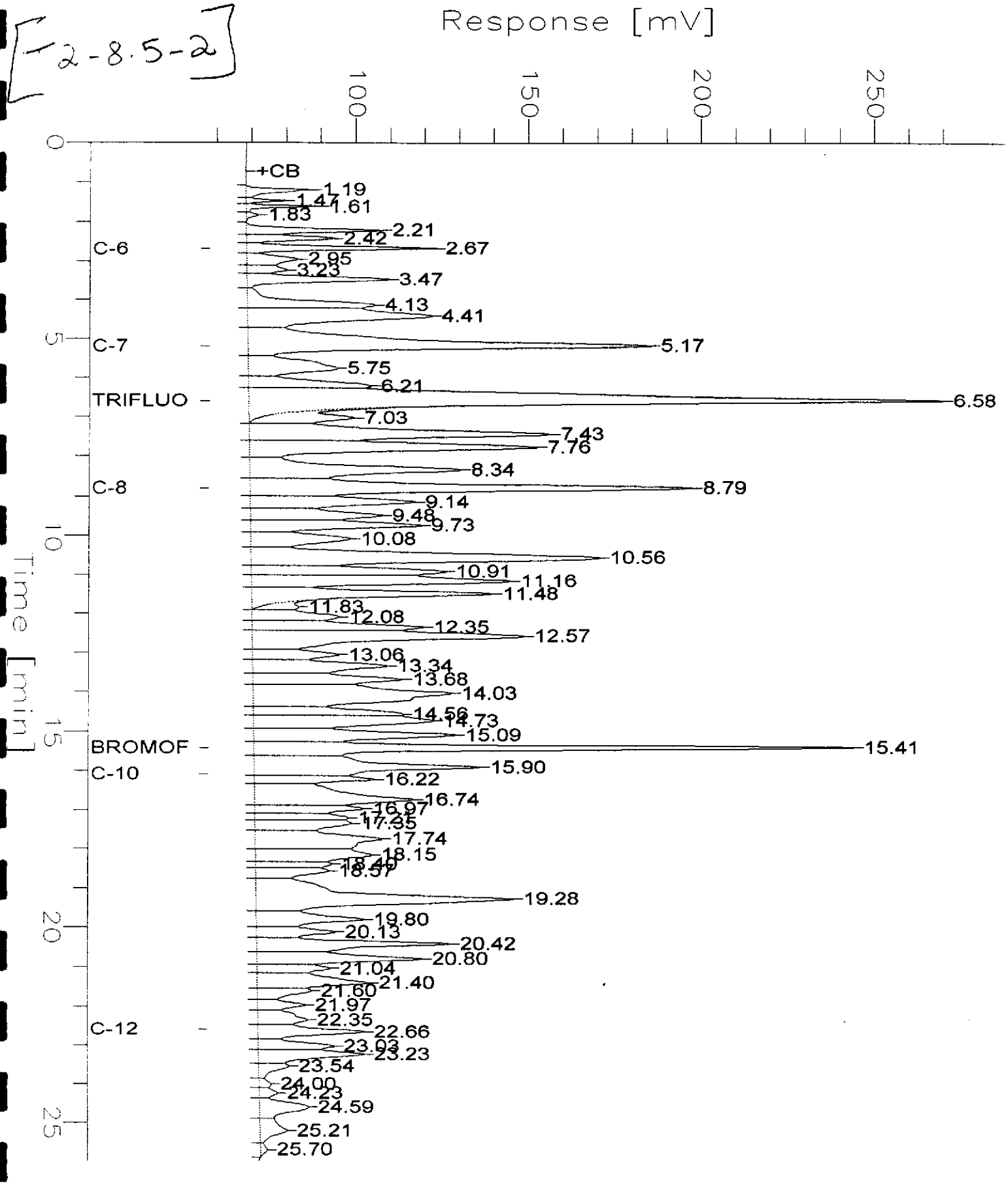


GC04 TVH 'J' Data File FID

Sample Name : 158420-004,72075,tvh only
FileName : G:\GC04\DATA\126J012.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 58 mV

Sample #: a
Date : 5/6/02 06:51 PM
Time of Injection: 5/6/02 06:25 PM
Low Point : 58.10 mV High Point : 270.44 mV
Plot Scale: 212.3 mV

[F2-8.5-2]



Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	8015B(M)
Project#:	4-02-742-ST		
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received		

Field ID:	T2-11-3	Diln Fac:	1.000
Type:	SAMPLE	Batch#:	72075
Lab ID:	158420-005	Analyzed:	05/07/02

Analyte	Result	RL
Gasoline C7-C12	59	2.2

Surrogate	%REC	Limits
Trifluorotoluene (FID)	141	58-144
Bromofluorobenzene (FID)	157 *	60-146

Type:	BLANK	Batch#:	72075
Lab ID:	QC177586	Analyzed:	05/06/02
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	103	58-144
Bromofluorobenzene (FID)	102	60-146

Type:	BLANK	Batch#:	72096
Lab ID:	QC177673	Analyzed:	05/07/02
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	1.0

Surrogate	%REC	Limits
Trifluorotoluene (FID)	101	58-144
Bromofluorobenzene (FID)	92	60-146

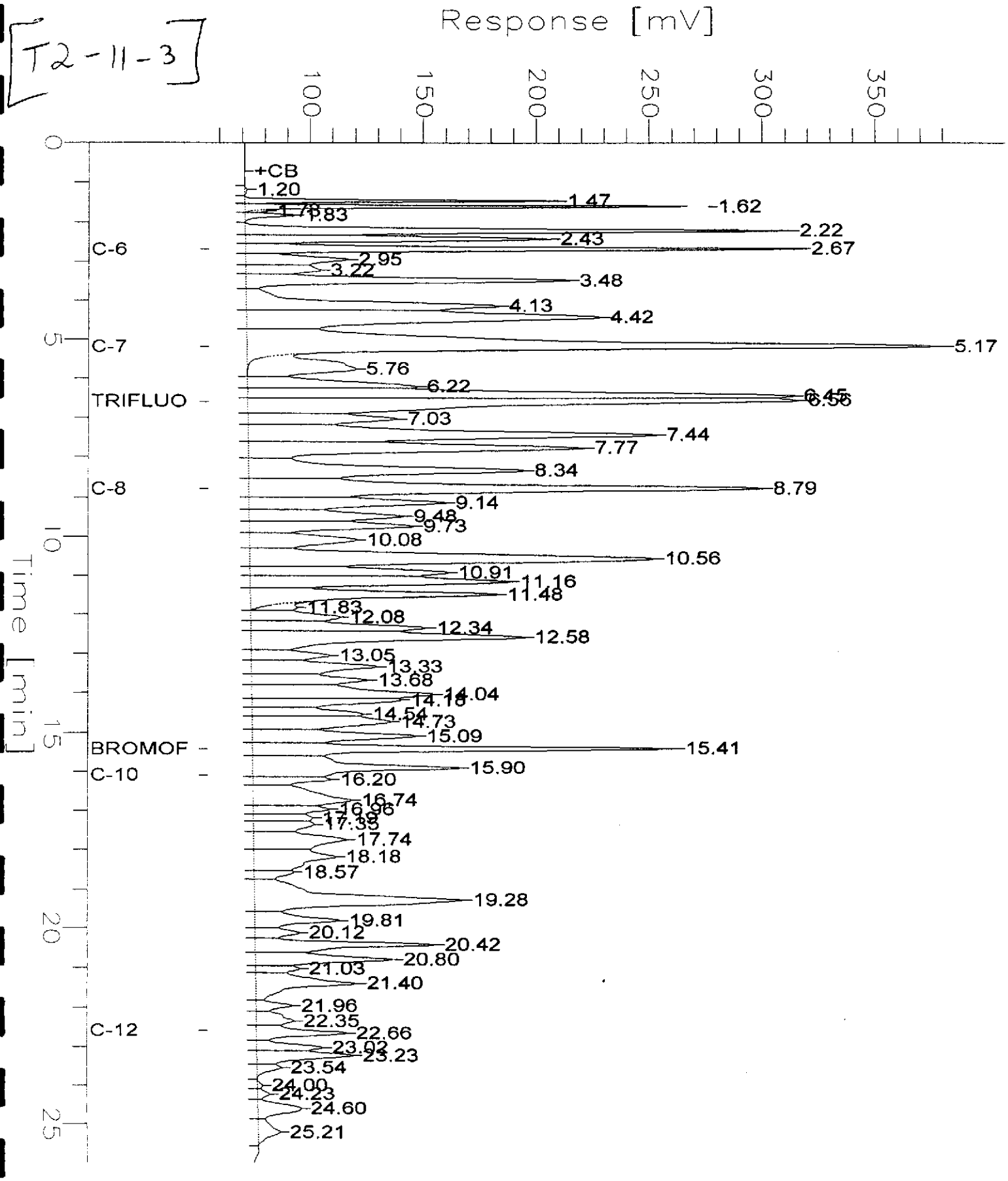
*= Value outside of QC limits; see narrative
ND= Not Detected
RL= Reporting Limit

GC04 TVH 'J' Data File FID

Sample Name : 158420-005,72075,tvh only
FileName : G:\GC04\DATA\126J024.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 55 mV

Sample #: a Page 1 of 1
Date : 5/7/02 01:59 AM
Time of Injection: 5/7/02 01:33 AM
Low Point : 55.28 mV High Point : 381.08 mV
Plot Scale: 325.8 mV

T2-11-3



Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	8015B(M)
Project#:	4-02-742-ST		
Type:	LCS	Basis:	as received
Lab ID:	QC177674	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72096
Units:	mg/Kg	Analyzed:	05/07/02

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.763	98	78-120

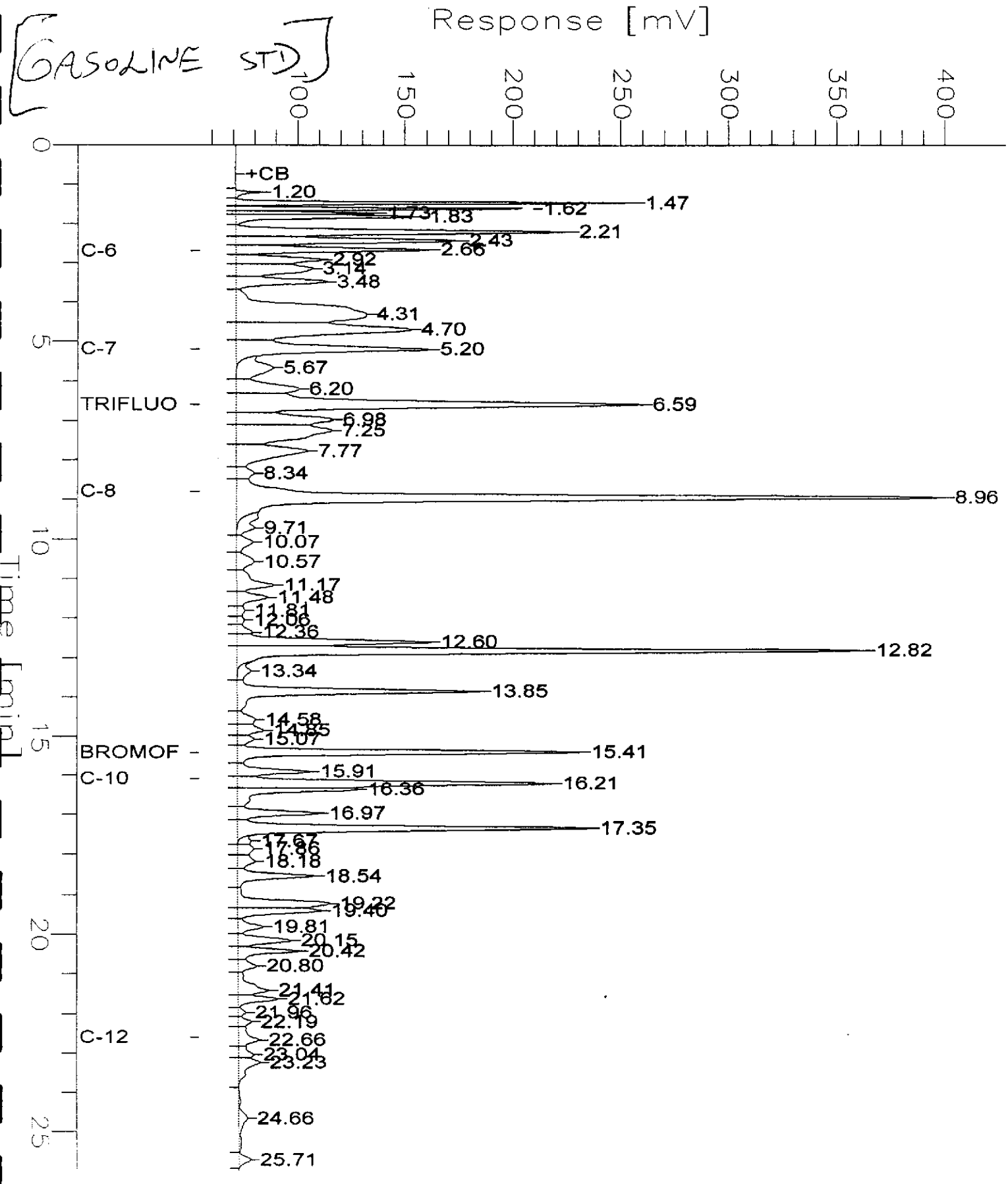
Surrogate	%REC	Limits
Trifluorotoluene (FID)	122	58-144
Bromofluorobenzene (FID)	106	60-146

GC04 TVH 'J' Data File FID

Sample Name : CCV/LCS,QC177674,72096,02WS0643,5/5000
FileName : G:\GC04\DATA\127J003.raw
Method : TVHBTXE
Start Time : 0.00 min End Time : 26.00 min
Scale Factor: 1.0 Plot Offset: 54 mV

Sample #: Page 1 of 1
Date : 5/7/02 08:57 AM
Time of Injection: 5/7/02 08:30 AM
Low Point : 54.35 mV High Point : 400.04 mV
Plot Scale: 345.7 mV

[GASOLINE STD]



Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	8015B(M)
Project#:	4-02-742-ST		
Type:	BS	Basis:	as received
Lab ID:	QC177587	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72075
Units:	mg/Kg	Analyzed:	05/06/02

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	10.00	9.854	99	78-120

Surrogate	%REC	Limits
Trifluorotoluene (FID)	120	58-144
Bromofluorobenzene (FID)	107	60-146

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	8015B(M)
Project#:	4-02-742-ST		
Type:	BSD	Basis:	as received
Lab ID:	QC177650	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72075
Units:	mg/Kg	Analyzed:	05/07/02

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	15.00	14.25	95	78-120	4	20

Surrogate	%REC	Limits
Trifluorotoluene (FID)	129	58-144
Bromofluorobenzene (FID)	110	60-146

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Volatile Hydrocarbons

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	8015B(M)
Project#:	4-02-742-ST		
Field ID:	ZZZZZZZZZZ	Diln Fac:	1.000
MSS Lab ID:	158425-001	Batch#:	72096
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/08/02

Type: MS Lab ID: QC177675

Analyte	MSS Result	Spiked	Result	%REC	Limits
Gasoline C7-C12	<0.1700	10.75	5.049	47	44-133

Surrogate	%REC	Limits
Trifluorotoluene (FID)	115	58-144
Bromofluorobenzene (FID)	104	60-146

Type: MSD Lab ID: QC177676

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	10.42	2.976	29 *	44-133	49 *	31

Surrogate	%REC	Limits
Trifluorotoluene (FID)	108	58-144
Bromofluorobenzene (FID)	103	60-146

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	158420	Prep:	SHAKER TABLE
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8015B(M)
Project#:	4-02-742-ST		
Matrix:	Soil	Batch#:	72086
Units:	mg/Kg	Sampled:	05/03/02
Basis:	as received	Received:	05/03/02
Diln Fac:	1.000	Prepared:	05/06/02

Field ID:	T1-7-1	Lab ID:	158420-001
Type:	SAMPLE	Analyzed:	05/06/02

Analyte	Result	RL
Diesel C10-C24	280 L	1.0
Motor Oil C24-C36	24 L Y	5.0

Surrogate	%REC	Limits
Hexacosane	94	48-137

Field ID:	T1-10-2	Lab ID:	158420-002
Type:	SAMPLE	Analyzed:	05/06/02

Analyte	Result	RL
Diesel C10-C24	97 L	1.0
Motor Oil C24-C36	9.9 L Y	5.0

Surrogate	%REC	Limits
Hexacosane	101	48-137

Field ID:	T2-6.5-1	Lab ID:	158420-003
Type:	SAMPLE	Analyzed:	05/06/02

Analyte	Result	RL
Diesel C10-C24	29 L	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	99	48-137

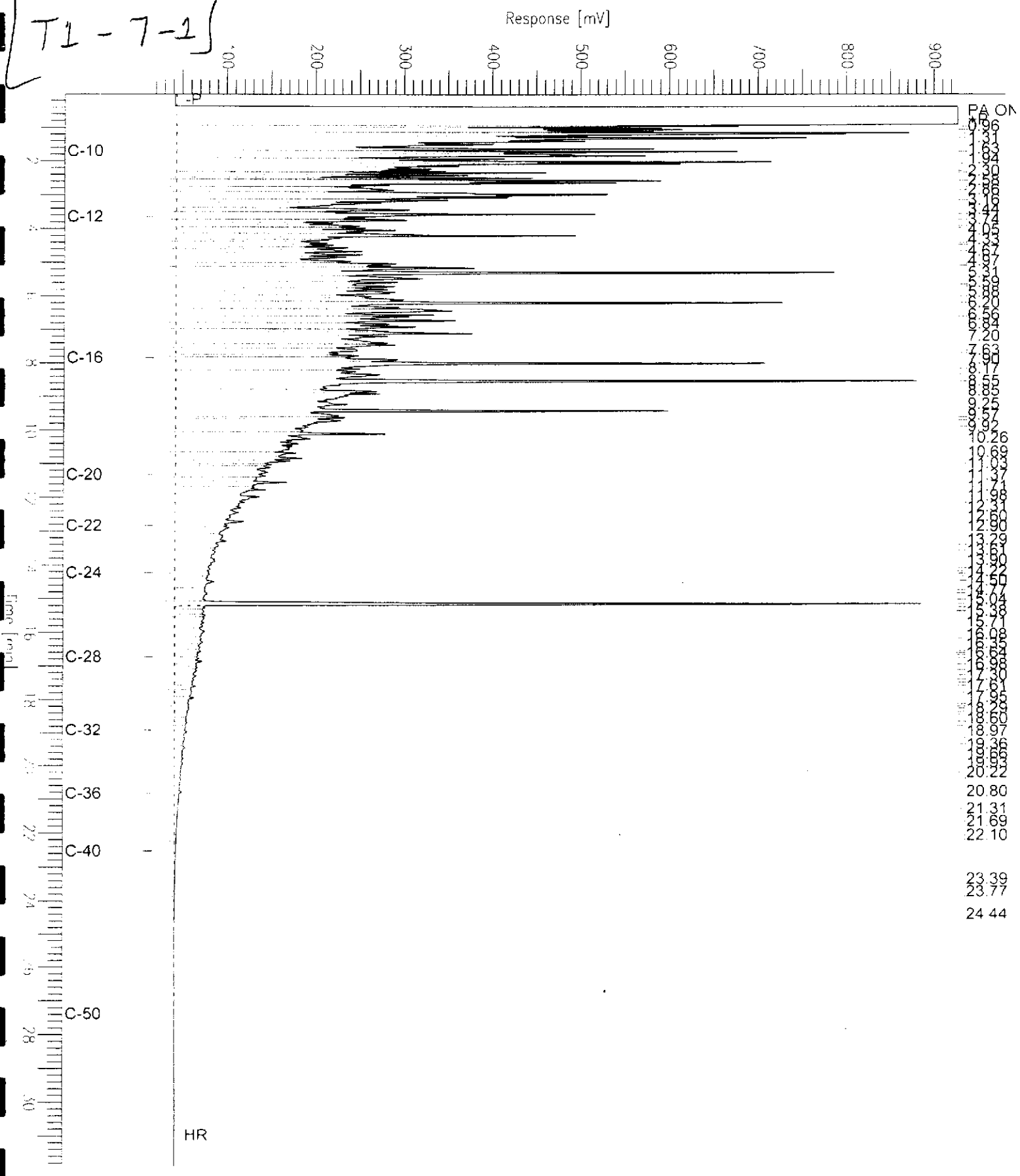
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 158420-001,72086
FileName : G:\GC13\CHB\126B012.RAW
Method : BTEH072.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 19 mV

Sample #: 72086 Page 1 of 1
Date : 5/7/02 09:06 AM
Time of Injection: 5/6/02 10:37 PM
Low Point : 19.43 mV High Point : 927.35 mV
Plot Scale: 907.9 mV

[T1 - 7-1]

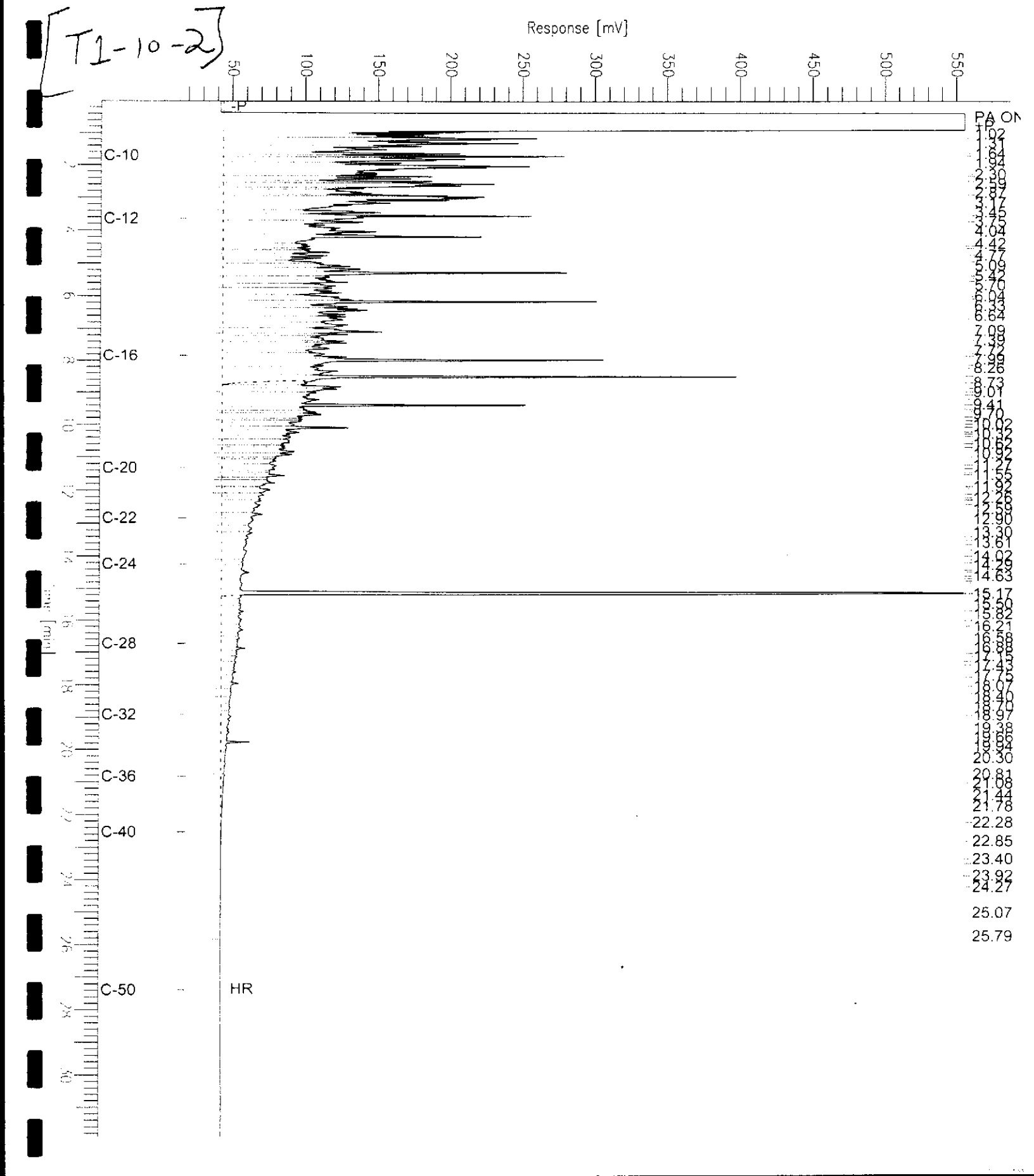


Chromatogram

Sample Name : 158420-002,72086
FileName : G:\GC13\CHB\126B013.RAW
Method : BTEH072.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 72086 Page 1 of 1
Date : 5/7/02 09:07 AM
Time of Injection: 5/6/02 11:16 PM
Low Point : 19.90 mV High Point : 555.49 mV
Plot Scale: 535.6 mV

[T1-10-2]



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	158420	Prep:	SHAKER TABLE
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8015B(M)
Project#:	4-02-742-ST		
Matrix:	Soil	Batch#:	72086
Units:	mg/Kg	Sampled:	05/03/02
Basis:	as received	Received:	05/03/02
Diln Fac:	1.000	Prepared:	05/06/02

Field ID:	T2-8.5-2	Lab ID:	158420-004
Type:	SAMPLE	Analyzed:	05/07/02

Analyte	Result	RL
Diesel C10-C24	24 L	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	101	48-137

Field ID:	T2-11-3	Lab ID:	158420-005
Type:	SAMPLE	Analyzed:	05/07/02

Analyte	Result	RL
Diesel C10-C24	18 L	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	78	48-137

Type:	BLANK	Analyzed:	05/06/02
Lab ID:	QC177635	Cleanup Method:	EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	1.0
Motor Oil C24-C36	ND	5.0

Surrogate	%REC	Limits
Hexacosane	97	48-137

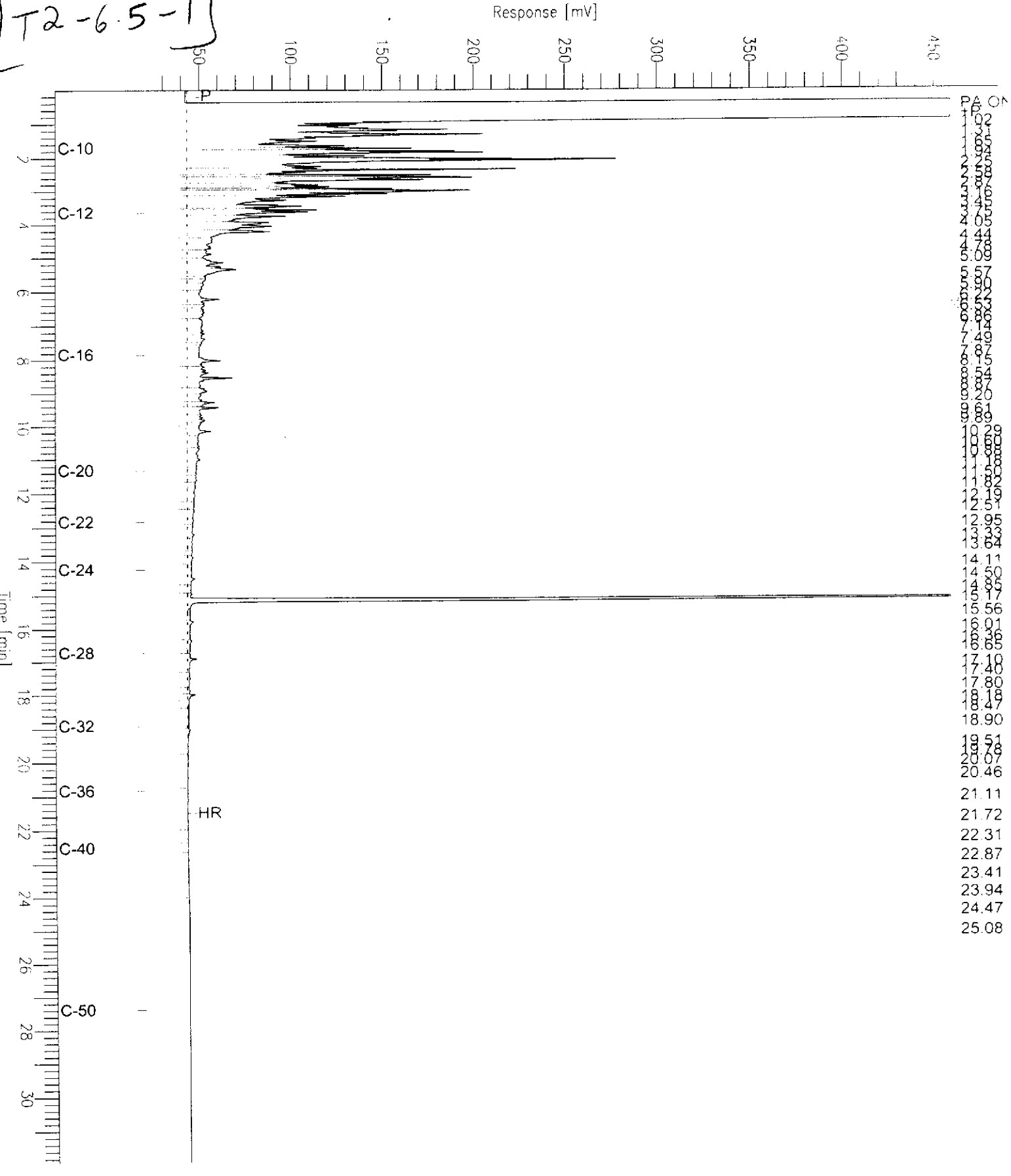
L= Lighter hydrocarbons contributed to the quantitation
Y= Sample exhibits fuel pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Chromatogram

Sample Name : 158420-003,72086
FileName : G:\GC13\CHB\126B014.RAW
Method : BTEH072.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 20 mV

Sample #: 72086 Page 1 of 1
Date : 5/7/02 09:07 AM
Time of Injection: 5/6/02 11:56 PM
Low Point : 20.44 mV High Point : 459.12 mV
Plot Scale: 438.7 mV

F2-6.5-1

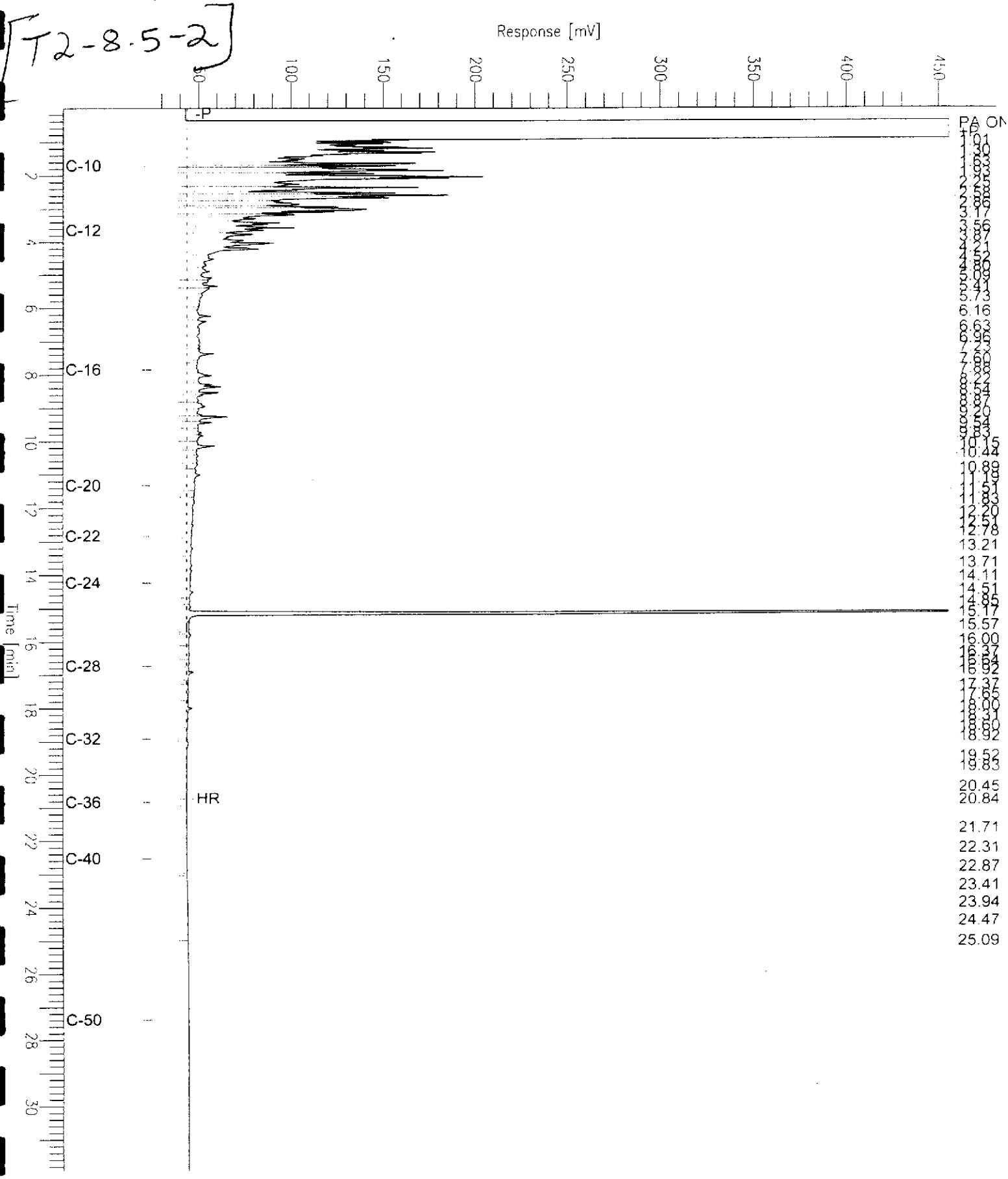


Chromatogram

Sample Name : 158420-004,72086
FileName : G:\GC13\CHB\126B015.RAW
Method : BTEH072.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 25 mV

Sample #: 72086 Page 1 of 1
Date : 5/7/02 09:08 AM
Time of Injection: 5/7/02 12:35 AM
Low Point : 24.74 mV High Point : 455.56 mV
Plot Scale: 430.8 mV

[T2-8.5-2]

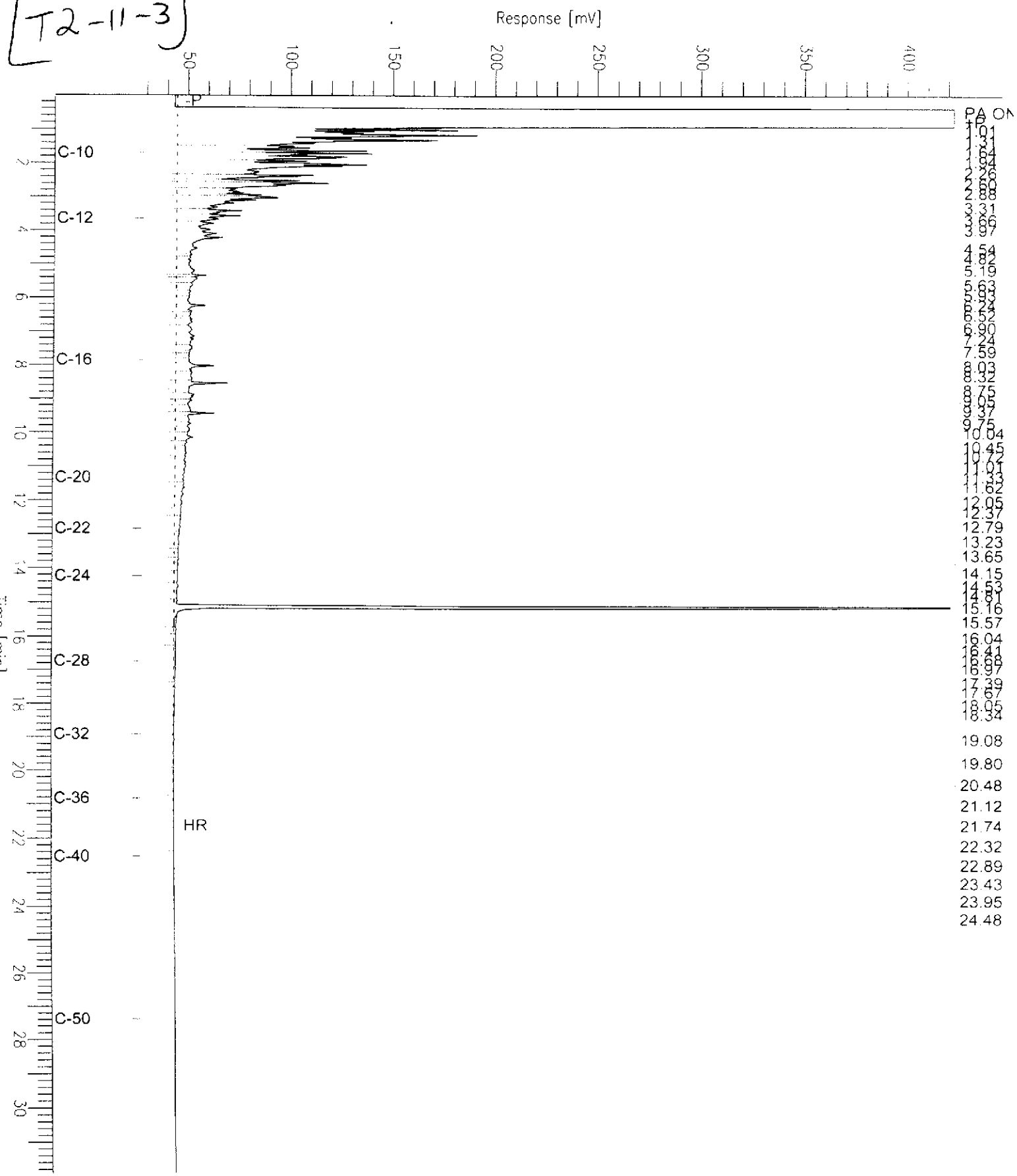


Chromatogram

Sample Name : 158420-005,72086
FileName : G:\GC13\CHB\126B016.RAW
Method : BTEH072.MTH
Start Time : 0.01 min End Time : 31.91 min
Scale Factor: 0.0 Plot Offset: 29 mV

Sample #: 72086 Page 1 of 1
Date : 5/7/02 09:08 AM
Time of Injection: 5/7/02 01:15 AM
Low Point : 28.85 mV High Point : 422.44 mV
Plot Scale: 393.6 mV

[T2-11-3]



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	158420	Prep:	SHAKER TABLE
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8015B(M)
Project#:	4-02-742-ST		
Field ID:	ZZZZZZZZZZ	Batch#:	72086
MSS Lab ID:	158413-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	mg/Kg	Prepared:	05/06/02
Basis:	as received	Analyzed:	05/06/02
Diln Fac:	1.000		

ype: MS Lab ID: QC177637

Analyte	MSS Result	Spiked	Result	%REC	Limits
Diesel C10-C24	5.685	50.45	52.04	92	35-146

Surrogate	%REC	Limits
Hexacosane	95	48-137

ype: MSD Lab ID: QC177638

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	50.45	53.11	94	35-146	2	48

Surrogate	%REC	Limits
Hexacosane	93	48-137

PD= Relative Percent Difference

Chromatogram

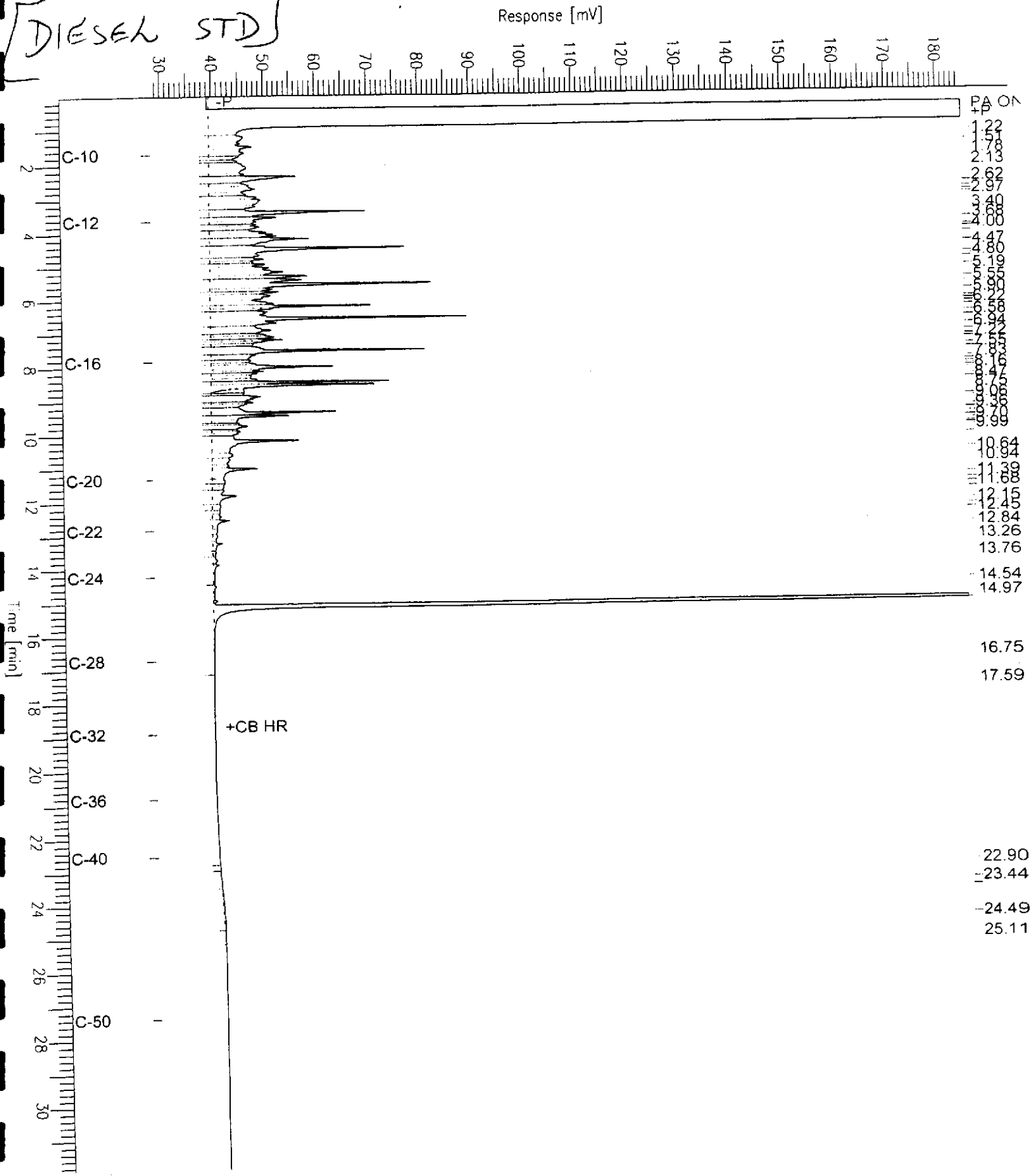
mple Name : ccv,02ws0418,dsl
leName : G:\GC13\CHB\126B003.RAW
ethod : BTEH072.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 28 mV

Sample #: 100mg/L
Date : 5/6/02 03:15 PM
Time of Injection: 5/6/02 02:28 PM
Low Point : 28.20 mV
Plot Scale: 156.7 mV

High Point : 184.92 mV

[DIESEL STD]



Chromatogram

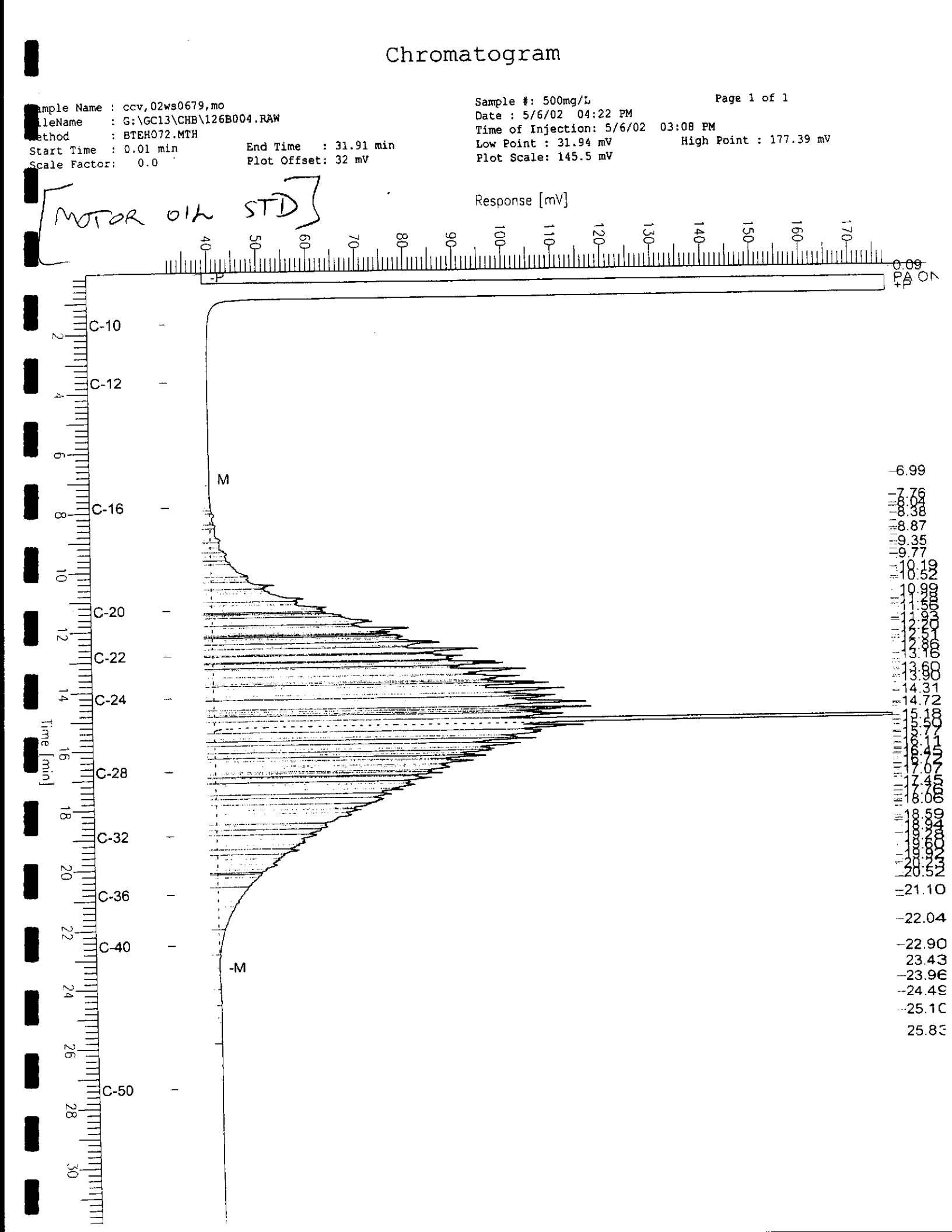
Sample Name : ccv,02ws0679,mo
FileName : G:\GC13\CHB\126B004.RAW
Method : BTEH072.MTH
Start Time : 0.01 min
Scale Factor: 0.0

End Time : 31.91 min
Plot Offset: 32 mV

Sample #: 500mg/L
Date : 5/6/02 04:22 PM
Time of Injection: 5/6/02 03:08 PM
Low Point : 31.94 mV
Plot Scale: 145.5 mV

High Point : 177.39 mV

[MOTOR OIL STD]



Curtis & Tompkins, Ltd.

Total Extractable Hydrocarbons

Lab #:	158420	Prep:	SHAKER TABLE
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8015B(M)
Project#:	4-02-742-ST		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC177636	Batch#:	72086
Matrix:	Soil	Prepared:	05/06/02
Units:	mg/Kg	Analyzed:	05/06/02
Basis:	as received		

Cleanup Method: EPA 3630C

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	50.45	47.61	94	67-121

Surrogate	%REC	Limits
Hexacosane	91	48-137

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T1-7-1	Diln Fac:	25.00
Lab ID:	158420-001	Batch#:	72101
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Freon 12	ND	250
Chloromethane	ND	250
Vinyl Chloride	ND	250
Bromomethane	ND	250
Chloroethane	ND	250
Trichlorofluoromethane	ND	130
Acetone	ND	500
Freon 113	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	500
Carbon Disulfide	ND	130
MTBE	ND	130
trans-1,2-Dichloroethene	ND	130
Vinyl Acetate	ND	1,300
1,1-Dichloroethane	ND	130
2-Butanone	ND	250
cis-1,2-Dichloroethene	ND	130
2,2-Dichloropropane	ND	130
Chloroform	ND	130
Bromochloromethane	ND	130
1,1,1-Trichloroethane	ND	130
1,1-Dichloropropene	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Benzene	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
Dibromomethane	ND	130
4-Methyl-2-Pentanone	ND	250
cis-1,3-Dichloropropene	ND	130
Toluene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
2-Hexanone	ND	250
1,3-Dichloropropane	ND	130
Tetrachloroethene	ND	130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T1-7-1	Diln Fac:	25.00
Lab ID:	158420-001	Batch#:	72101
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Dibromochloromethane	ND	130
1,2-Dibromoethane	ND	130
Chlorobenzene	ND	130
1,1,1,2-Tetrachloroethane	ND	130
Ethylbenzene	ND	130
m,p-Xylenes	ND	130
o-Xylene	ND	130
Styrene	ND	130
Bromoform	ND	130
Isopropylbenzene	260	130
1,1,2,2-Tetrachloroethane	ND	130
1,2,3-Trichloropropane	ND	130
Propylbenzene	910	130
Bromobenzene	ND	130
1,3,5-Trimethylbenzene	ND	130
2-Chlorotoluene	ND	130
4-Chlorotoluene	ND	130
tert-Butylbenzene	ND	130
1,2,4-Trimethylbenzene	ND	130
sec-Butylbenzene	ND	130
para-Isopropyl Toluene	ND	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
n-Butylbenzene	490	130
1,2-Dichlorobenzene	ND	130
1,2-Dibromo-3-Chloropropane	ND	130
1,2,4-Trichlorobenzene	ND	130
Hexachlorobutadiene	ND	130
Naphthalene	ND	130
1,2,3-Trichlorobenzene	ND	130

Surrogate	%REC	Limits
Dibromofluoromethane	93	63-133
1,2-Dichloroethane-d4	102	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	102	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T1-10-2	Diln Fac:	4.545
Lab ID:	158420-002	Batch#:	72100
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Freon 12	ND	45
Chloromethane	ND	45
Vinyl Chloride	ND	45
Bromomethane	ND	45
Chloroethane	ND	45
Trichlorofluoromethane	ND	23
Acetone	ND	91
Freon 113	ND	23
1,1-Dichloroethene	ND	23
Methylene Chloride	ND	91
Carbon Disulfide	ND	23
MTBE	ND	23
trans-1,2-Dichloroethene	ND	23
Vinyl Acetate	ND	230
1,1-Dichloroethane	ND	23
2-Butanone	ND	45
cis-1,2-Dichloroethene	ND	23
2,2-Dichloropropane	ND	23
Chloroform	ND	23
Bromochloromethane	ND	23
1,1,1-Trichloroethane	ND	23
1,1-Dichloropropene	ND	23
Carbon Tetrachloride	ND	23
1,2-Dichloroethane	ND	23
Benzene	ND	23
Trichloroethene	ND	23
1,2-Dichloropropane	ND	23
Bromodichloromethane	ND	23
Dibromomethane	ND	23
4-Methyl-2-Pentanone	ND	45
cis-1,3-Dichloropropene	ND	23
Toluene	ND	23
trans-1,3-Dichloropropene	ND	23
1,1,2-Trichloroethane	ND	23
2-Hexanone	ND	45
1,3-Dichloropropane	ND	23
Tetrachloroethene	ND	23

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T1-10-2	Diln Fac:	4.545
Lab ID:	158420-002	Batch#:	72100
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Dibromochloromethane	ND	23
1,2-Dibromoethane	ND	23
Chlorobenzene	ND	23
1,1,1,2-Tetrachloroethane	ND	23
Ethylbenzene	ND	23
m,p-Xylenes	ND	23
o-Xylene	ND	23
Styrene	ND	23
Bromoform	ND	23
Isopropylbenzene	37	23
1,1,2,2-Tetrachloroethane	ND	23
1,2,3-Trichloropropane	ND	23
Propylbenzene	140	23
Bromobenzene	ND	23
1,3,5-Trimethylbenzene	ND	23
2-Chlorotoluene	ND	23
4-Chlorotoluene	ND	23
tert-Butylbenzene	ND	23
1,2,4-Trimethylbenzene	ND	23
sec-Butylbenzene	ND	23
para-Isopropyl Toluene	ND	23
1,3-Dichlorobenzene	ND	23
1,4-Dichlorobenzene	ND	23
n-Butylbenzene	67	23
1,2-Dichlorobenzene	ND	23
1,2-Dibromo-3-Chloropropane	ND	23
1,2,4-Trichlorobenzene	ND	23
Hexachlorobutadiene	ND	23
Naphthalene	ND	23
1,2,3-Trichlorobenzene	ND	23

Surrogate	%REC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	108	75-128
Toluene-d8	104	80-111
Bromofluorobenzene	99	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T2-6.5-1	Diln Fac:	5.000
Lab ID:	158420-003	Batch#:	72100
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Freon 12	ND	50
Chloromethane	ND	50
Vinyl Chloride	ND	50
Bromomethane	ND	50
Chloroethane	ND	50
Trichlorofluoromethane	ND	25
Acetone	ND	100
Freon 113	ND	25
1,1-Dichloroethene	ND	25
Methylene Chloride	ND	100
Carbon Disulfide	ND	25
MTBE	ND	25
trans-1,2-Dichloroethene	ND	25
Vinyl Acetate	ND	250
1,1-Dichloroethane	ND	25
2-Butanone	ND	50
cis-1,2-Dichloroethene	ND	25
2,2-Dichloropropane	ND	25
Chloroform	ND	25
Bromochloromethane	ND	25
1,1,1-Trichloroethane	ND	25
1,1-Dichloropropene	ND	25
Carbon Tetrachloride	ND	25
1,2-Dichloroethane	ND	25
Benzene	ND	25
Trichloroethene	ND	25
1,2-Dichloropropane	ND	25
Bromodichloromethane	ND	25
Dibromomethane	ND	25
4-Methyl-2-Pentanone	ND	50
cis-1,3-Dichloropropene	ND	25
Toluene	ND	25
trans-1,3-Dichloropropene	ND	25
1,1,2-Trichloroethane	ND	25
2-Hexanone	ND	50
1,3-Dichloropropane	ND	25
Tetrachloroethene	ND	25

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T2-6.5-1	Diln Fac:	5.000
Lab ID:	158420-003	Batch#:	72100
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Dibromochloromethane	ND	25
1,2-Dibromoethane	ND	25
Chlorobenzene	ND	25
1,1,1,2-Tetrachloroethane	ND	25
Ethylbenzene	57	25
m,p-Xylenes	ND	25
o-Xylene	ND	25
Styrene	ND	25
Bromoform	ND	25
Isopropylbenzene	130	25
1,1,2,2-Tetrachloroethane	ND	25
1,2,3-Trichloropropane	ND	25
Propylbenzene	640	25
Bromobenzene	ND	25
1,3,5-Trimethylbenzene	ND	25
2-Chlorotoluene	ND	25
4-Chlorotoluene	ND	25
tert-Butylbenzene	ND	25
1,2,4-Trimethylbenzene	ND	25
sec-Butylbenzene	150	25
para-Isopropyl Toluene	130	25
1,3-Dichlorobenzene	ND	25
1,4-Dichlorobenzene	ND	25
n-Butylbenzene	670	25
1,2-Dichlorobenzene	ND	25
1,2-Dibromo-3-Chloropropane	ND	25
1,2,4-Trichlorobenzene	ND	25
Hexachlorobutadiene	ND	25
Naphthalene	ND	25
1,2,3-Trichlorobenzene	ND	25

Surrogate	%REC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	107	75-128
Toluene-d8	95	80-111
Bromofluorobenzene	115	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T2-8.5-2	Diln Fac:	25.00
Lab ID:	158420-004	Batch#:	72101
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Freon 12	ND	250
Chloromethane	ND	250
Vinyl Chloride	ND	250
Bromomethane	ND	250
Chloroethane	ND	250
Trichlorofluoromethane	ND	130
Acetone	ND	500
Freon 113	ND	130
1,1-Dichloroethene	ND	130
Methylene Chloride	ND	500
Carbon Disulfide	ND	130
MTBE	ND	130
trans-1,2-Dichloroethene	ND	130
Vinyl Acetate	ND	1,300
1,1-Dichloroethane	ND	130
2-Butanone	ND	250
cis-1,2-Dichloroethene	ND	130
2,2-Dichloropropane	ND	130
Chloroform	ND	130
Bromochloromethane	ND	130
1,1,1-Trichloroethane	ND	130
1,1-Dichloropropene	ND	130
Carbon Tetrachloride	ND	130
1,2-Dichloroethane	ND	130
Benzene	ND	130
Trichloroethene	ND	130
1,2-Dichloropropane	ND	130
Bromodichloromethane	ND	130
Dibromomethane	ND	130
4-Methyl-2-Pentanone	ND	250
cis-1,3-Dichloropropene	ND	130
Toluene	ND	130
trans-1,3-Dichloropropene	ND	130
1,1,2-Trichloroethane	ND	130
2-Hexanone	ND	250
1,3-Dichloropropane	ND	130
Tetrachloroethene	ND	130

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T2-8.5-2	Diln Fac:	25.00
Lab ID:	158420-004	Batch#:	72101
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Dibromochloromethane	ND	130
1,2-Dibromoethane	ND	130
Chlorobenzene	ND	130
1,1,1,2-Tetrachloroethane	ND	130
Ethylbenzene	3,200	130
m,p-Xylenes	480	130
o-Xylene	ND	130
Styrene	ND	130
Bromoform	ND	130
Isopropylbenzene	650	130
1,1,2,2-Tetrachloroethane	ND	130
1,2,3-Trichloropropane	ND	130
Propylbenzene	2,800	130
Bromobenzene	ND	130
1,3,5-Trimethylbenzene	370	130
2-Chlorotoluene	ND	130
4-Chlorotoluene	ND	130
tert-Butylbenzene	ND	130
1,2,4-Trimethylbenzene	ND	130
sec-Butylbenzene	380	130
para-Isopropyl Toluene	510	130
1,3-Dichlorobenzene	ND	130
1,4-Dichlorobenzene	ND	130
n-Butylbenzene	1,900	130
1,2-Dichlorobenzene	ND	130
1,2-Dibromo-3-Chloropropane	ND	130
1,2,4-Trichlorobenzene	ND	130
Hexachlorobutadiene	ND	130
Naphthalene	250	130
1,2,3-Trichlorobenzene	ND	130

Surrogate	%REC	Limits
Dibromofluoromethane	90	63-133
1,2-Dichloroethane-d4	107	75-128
Toluene-d8	99	80-111
Bromofluorobenzene	110	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T2-11-3	Diln Fac:	2.500
Lab ID:	158420-005	Batch#:	72100
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Freon 12	ND	25
Chloromethane	ND	25
Vinyl Chloride	ND	25
Bromomethane	ND	25
Chloroethane	ND	25
Trichlorofluoromethane	ND	13
Acetone	59	50
Freon 113	ND	13
1,1-Dichloroethene	ND	13
Methylene Chloride	ND	50
Carbon Disulfide	ND	13
MTBE	ND	13
trans-1,2-Dichloroethene	ND	13
Vinyl Acetate	ND	130
1,1-Dichloroethane	ND	13
2-Butanone	36	25
cis-1,2-Dichloroethene	ND	13
2,2-Dichloropropane	ND	13
Chloroform	ND	13
Bromochloromethane	ND	13
1,1,1-Trichloroethane	ND	13
1,1-Dichloropropene	ND	13
Carbon Tetrachloride	ND	13
1,2-Dichloroethane	ND	13
Benzene	ND	13
Trichloroethene	ND	13
1,2-Dichloropropane	ND	13
Bromodichloromethane	ND	13
Dibromomethane	ND	13
4-Methyl-2-Pentanone	ND	25
cis-1,3-Dichloropropene	ND	13
Toluene	ND	13
trans-1,3-Dichloropropene	ND	13
1,1,2-Trichloroethane	ND	13
2-Hexanone	ND	25
1,3-Dichloropropane	ND	13
Tetrachloroethene	ND	13

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T2-11-3	Diln Fac:	2.500
Lab ID:	158420-005	Batch#:	72100
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Analyte	Result	RL
Dibromochloromethane	ND	13
1,2-Dibromoethane	ND	13
Chlorobenzene	ND	13
1,1,1,2-Tetrachloroethane	ND	13
Ethylbenzene	69	13
m,p-Xylenes	ND	13
o-Xylene	ND	13
Styrene	ND	13
Bromoform	ND	13
Isopropylbenzene	ND	13
1,1,2,2-Tetrachloroethane	ND	13
1,2,3-Trichloropropane	ND	13
Propylbenzene	39	13
Bromobenzene	ND	13
1,3,5-Trimethylbenzene	ND	13
2-Chlorotoluene	ND	13
4-Chlorotoluene	ND	13
tert-Butylbenzene	ND	13
1,2,4-Trimethylbenzene	ND	13
sec-Butylbenzene	ND	13
para-Isopropyl Toluene	ND	13
1,3-Dichlorobenzene	ND	13
1,4-Dichlorobenzene	ND	13
n-Butylbenzene	19	13
1,2-Dichlorobenzene	ND	13
1,2-Dibromo-3-Chloropropane	ND	13
1,2,4-Trichlorobenzene	ND	13
Hexachlorobutadiene	ND	13
Naphthalene	ND	13
1,2,3-Trichlorobenzene	ND	13

Surrogate	%REC	Limits
Dibromofluoromethane	98	63-133
1,2-Dichloroethane-d4	108	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	96	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	T2-11-3	Diln Fac:	2.500
MSS Lab ID:	158420-005	Batch#:	72100
Matrix:	Soil	Sampled:	05/03/02
Units:	ug/Kg	Received:	05/03/02
Basis:	as received	Analyzed:	05/07/02

Type: MS Lab ID: QC177719

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<1.100	125.0	93.65	75	57-134
Benzene	<0.7500	125.0	100.5	79	55-125
Trichloroethene	<1.400	125.0	116.3	91	37-133
Toluene	<0.8800	125.0	104.5	84	48-131
Chlorobenzene	<1.100	125.0	96.19	77	42-128

Surrogate	%REC	Limits
Dibromofluoromethane	101	63-133
1,2-Dichloroethane-d4	103	75-128
Toluene-d8	104	80-111
Bromofluorobenzene	95	77-126

Type: MSD Lab ID: QC177720

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	125.0	102.3	82	57-134	9	20
Benzene	125.0	109.9	87	55-125	9	20
Trichloroethene	125.0	125.0	98	37-133	7	21
Toluene	125.0	114.9	92	48-131	9	20
Chlorobenzene	125.0	105.1	84	42-128	9	23

Surrogate	%REC	Limits
Dibromofluoromethane	104	63-133
1,2-Dichloroethane-d4	112	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	94	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Type:	BLANK	Basis:	as received
Lab ID:	QC177691	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72100
Units:	ug/Kg	Analyzed:	05/07/02

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Type:	BLANK	Basis:	as received
Lab ID:	QC177691	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72100
Units:	ug/Kg	Analyzed:	05/07/02

Analyte	Result	RL
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	104	63-133
1,2-Dichloroethane-d4	116	75-128
Toluene-d8	102	80-111
Bromofluorobenzene	95	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC177693	Batch#:	72101
Matrix:	Water	Analyzed:	05/07/02
Units:	ug/L		

Analyte	Result	RL
Freon 12	ND	10
Chloromethane	ND	10
Vinyl Chloride	ND	10
Bromomethane	ND	10
Chloroethane	ND	10
Trichlorofluoromethane	ND	5.0
Acetone	ND	20
Freon 113	ND	5.0
1,1-Dichloroethene	ND	5.0
Methylene Chloride	ND	20
Carbon Disulfide	ND	5.0
MTBE	ND	5.0
trans-1,2-Dichloroethene	ND	5.0
Vinyl Acetate	ND	50
1,1-Dichloroethane	ND	5.0
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	5.0
2,2-Dichloropropane	ND	5.0
Chloroform	ND	5.0
Bromochloromethane	ND	5.0
1,1,1-Trichloroethane	ND	5.0
1,1-Dichloropropene	ND	5.0
Carbon Tetrachloride	ND	5.0
1,2-Dichloroethane	ND	5.0
Benzene	ND	5.0
Trichloroethene	ND	5.0
1,2-Dichloropropane	ND	5.0
Bromodichloromethane	ND	5.0
Dibromomethane	ND	5.0
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	5.0
Toluene	ND	5.0
trans-1,3-Dichloropropene	ND	5.0
1,1,2-Trichloroethane	ND	5.0
2-Hexanone	ND	10
1,3-Dichloropropane	ND	5.0
Tetrachloroethene	ND	5.0
Dibromochloromethane	ND	5.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC177693	Batch#:	72101
Matrix:	Water	Analyzed:	05/07/02
Units:	ug/L		

Analyte	Result	RL
1,2-Dibromoethane	ND	5.0
Chlorobenzene	ND	5.0
1,1,1,2-Tetrachloroethane	ND	5.0
Ethylbenzene	ND	5.0
m,p-Xylenes	ND	5.0
o-Xylene	ND	5.0
Styrene	ND	5.0
Bromoform	ND	5.0
Isopropylbenzene	ND	5.0
1,1,2,2-Tetrachloroethane	ND	5.0
1,2,3-Trichloropropane	ND	5.0
Propylbenzene	ND	5.0
Bromobenzene	ND	5.0
1,3,5-Trimethylbenzene	ND	5.0
2-Chlorotoluene	ND	5.0
4-Chlorotoluene	ND	5.0
tert-Butylbenzene	ND	5.0
1,2,4-Trimethylbenzene	ND	5.0
sec-Butylbenzene	ND	5.0
para-Isopropyl Toluene	ND	5.0
1,3-Dichlorobenzene	ND	5.0
1,4-Dichlorobenzene	ND	5.0
n-Butylbenzene	ND	5.0
1,2-Dichlorobenzene	ND	5.0
1,2-Dibromo-3-Chloropropane	ND	5.0
1,2,4-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0
Naphthalene	ND	5.0
1,2,3-Trichlorobenzene	ND	5.0

Surrogate	%REC	Limits
Dibromofluoromethane	103	63-133
1,2-Dichloroethane-d4	115	75-128
Toluene-d8	105	80-111
Bromofluorobenzene	95	77-126

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Matrix:	Soil	Diln Fac:	1.000
Units:	ug/Kg	Batch#:	72100
Basis:	as received	Analyzed:	05/07/02

Type: BS Lab ID: QC177689

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	46.56	93	70-131
Benzene	50.00	46.37	93	77-120
Trichloroethene	50.00	51.99	104	79-120
Toluene	50.00	48.41	97	80-120
Chlorobenzene	50.00	47.36	95	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	111	63-133
1,2-Dichloroethane-d4	114	75-128
Toluene-d8	100	80-111
Bromofluorobenzene	92	77-126

Type: BSD Lab ID: QC177690

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	50.00	44.00	88	70-131	6	22
Benzene	50.00	44.78	90	77-120	3	20
Trichloroethene	50.00	50.40	101	79-120	3	20
Toluene	50.00	47.42	95	80-120	2	20
Chlorobenzene	50.00	43.79	88	80-120	8	20

Surrogate	%REC	Limits
Dibromofluoromethane	107	63-133
1,2-Dichloroethane-d4	114	75-128
Toluene-d8	103	80-111
Bromofluorobenzene	95	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC177692	Batch#:	72101
Matrix:	Water	Analyzed:	05/07/02
Units:	ug/L		

Analyte	Spiked	Result	%REC	Limits
1,1-Dichloroethene	50.00	46.12	92	70-131
Benzene	50.00	46.90	94	77-120
Trichloroethene	50.00	54.36	109	79-120
Toluene	50.00	48.49	97	80-120
Chlorobenzene	50.00	48.88	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	102	63-133
1,2-Dichloroethane-d4	108	75-128
Toluene-d8	101	80-111
Bromofluorobenzene	98	77-126

Curtis & Tompkins, Ltd.

LABORATORY NUMBER: 158420
CLIENT: Enviro Soil Tech Consultants
MATRIX: Soil

DATE SAMPLED: May 3rd, 2002
DATE RECEIVED: May 3rd, 2002
DATE ANALYZED: May 8th, 2002
BATCH#: 72112

ANALYSIS: Creosote
ANALYSIS METHOD: EPA 8270C

LAB ID	SAMPLE ID	RESULT	UNITS	REPORTING LIMIT
158420-001	T1-7-1	ND	ug/Kg	3300
158420-002	T1-10-2	ND	ug/Kg	3400
158420-003	T2-6.5-1	ND	ug/Kg	3300
158420-004	T2-8.5-2	ND	ug/Kg	3300
158420-005	T2-11-3	ND	ug/Kg	3300

Curtis & Tompkins, Ltd.

Purgeable Organics by GC/MS

Lab #:	158420	Prep:	EPA 5030B
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8260B
Project#:	4-02-742-ST		
Field ID:	ZZZZZZZZZZ	Diln Fac:	100.0
MSS Lab ID:	158373-001	Batch#:	72101
Matrix:	Soil	Sampled:	05/01/02
Units:	ug/Kg	Received:	05/01/02
Basis:	as received	Analyzed:	05/10/02

Type: MS Lab ID: QC177721

Analyte	MSS Result	Spiked	Result	%REC	Limits
1,1-Dichloroethene	<44.00	5,000	4,089	82	57-134
Benzene	<30.00	5,000	4,592	92	55-125
Trichloroethene	<55.00	5,000	5,128	103	37-133
Toluene	<35.00	5,000	4,960	99	48-131
Chlorobenzene	<45.00	5,000	4,869	97	42-128

Surrogate	%REC	Limits
Dibromofluoromethane	94	63-133
1,2-Dichloroethane-d4	121	75-128
Toluene-d8	108	80-111
Bromofluorobenzene	98	77-126

Type: MSD Lab ID: QC177722

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
1,1-Dichloroethene	5,000	4,021	80	57-134	2	20
Benzene	5,000	4,371	87	55-125	5	20
Trichloroethene	5,000	4,889	98	37-133	5	21
Toluene	5,000	4,685	94	48-131	6	20
Chlorobenzene	5,000	4,750	95	42-128	2	23

Surrogate	%REC	Limits
Dibromofluoromethane	92	63-133
1,2-Dichloroethane-d4	115	75-128
Toluene-d8	104	80-111
Bromofluorobenzene	99	77-126

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Field ID:	T1-7-1	Batch#:	72112
Lab ID:	158420-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	ug/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/08/02
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Pentachlorophenol	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%REC	Limits
Nitrobenzene-d5	82	35-120
2-Fluorobiphenyl	90	38-121
Terphenyl-d14	86	32-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Field ID:	T1-10-2	Batch#:	72112
Lab ID:	158420-002	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	ug/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/08/02
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	340
Acenaphthylene	ND	340
Acenaphthene	ND	340
Fluorene	ND	340
Pentachlorophenol	ND	340
Phenanthrene	ND	340
Anthracene	ND	340
Fluoranthene	ND	340
Pyrene	ND	340
Benzo(a)anthracene	ND	340
Chrysene	ND	340
Benzo(b)fluoranthene	ND	340
Benzo(k)fluoranthene	ND	340
Benzo(a)pyrene	ND	340
Indeno(1,2,3-cd)pyrene	ND	340
Dibenz(a,h)anthracene	ND	340
Benzo(g,h,i)perylene	ND	340

Surrogate	%REC	Limits
Nitrobenzene-d5	76	35-120
2-Fluorobiphenyl	79	38-121
Terphenyl-d14	74	32-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Field ID:	T2-6.5-1	Batch#:	72112
Lab ID:	158420-003	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	ug/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/08/02
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Pentachlorophenol	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%REC	Limits
Nitrobenzene-d5	66	35-120
2-Fluorobiphenyl	69	38-121
Terphenyl-d14	63	32-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Field ID:	T2-8.5-2	Batch#:	72112
Lab ID:	158420-004	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	ug/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/08/02
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Pentachlorophenol	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%REC	Limits
Nitrobenzene-d5	73	35-120
2-Fluorobiphenyl	76	38-121
Terphenyl-d14	70	32-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Field ID:	T2-11-3	Batch#:	72112
Lab ID:	158420-005	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	ug/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02
Diln Fac:	1.000		

Analyte	Result	RL
Naphthalene	ND	330
Acenaphthylene	ND	330
Acenaphthene	ND	330
Fluorene	ND	330
Pentachlorophenol	ND	330
Phenanthrene	ND	330
Anthracene	ND	330
Fluoranthene	ND	330
Pyrene	ND	330
Benzo(a)anthracene	ND	330
Chrysene	ND	330
Benzo(b)fluoranthene	ND	330
Benzo(k)fluoranthene	ND	330
Benzo(a)pyrene	ND	330
Indeno(1,2,3-cd)pyrene	ND	330
Dibenz(a,h)anthracene	ND	330
Benzo(g,h,i)perylene	ND	330

Surrogate	%REC	Limits
Nitrobenzene-d5	72	35-120
2-Fluorobiphenyl	78	38-121
Terphenyl-d14	71	32-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC177724	Batch#:	72112
Matrix:	Soil	Prepared:	05/07/02
Units:	ug/Kg	Analyzed:	05/08/02
Basis:	as received		

Analyte	Result	RL
Naphthalene	ND	340
Acenaphthylene	ND	340
Acenaphthene	ND	340
Fluorene	ND	340
Pentachlorophenol	ND	340
Phenanthrene	ND	340
Anthracene	ND	340
Fluoranthene	ND	340
Pyrene	ND	340
Benzo(a)anthracene	ND	340
Chrysene	ND	340
Benzo(b)fluoranthene	ND	340
Benzo(k)fluoranthene	ND	340
Benzo(a)pyrene	ND	340
Indeno(1,2,3-cd)pyrene	ND	340
Dibenz(a,h)anthracene	ND	340
Benzo(g,h,i)perylene	ND	340

Surrogate	%REC	Limits
Nitrobenzene-d5	75	35-120
2-Fluorobiphenyl	89	38-121
Terphenyl-d14	83	32-127

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Field ID:	T1-7-1	Batch#:	72112
MSS Lab ID:	158420-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	ug/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/08/02
Diln Fac:	1.000		

Type: MS Lab ID: QC177726

Analyte	MSS Result	Spiked	Result	%REC	Limits
Acenaphthene	26.25	1,684	1,714	100	42-120
Pentachlorophenol	<19.00	3,368	3,898	116	17-120
Pyrene	<17.00	1,684	1,696	101	22-140

Surrogate	%REC	Limits
Nitrobenzene-d5	99	35-120
2-Fluorobiphenyl	108	38-121
Terphenyl-d14	95	32-127

Type: MSD Lab ID: QC177727

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Acenaphthene	1,646	1,495	89	42-120	11	32
Pentachlorophenol	3,292	3,127	95	17-120	20	47
Pyrene	1,646	1,493	91	22-140	10	34

Surrogate	%REC	Limits
Nitrobenzene-d5	89	35-120
2-Fluorobiphenyl	95	38-121
Terphenyl-d14	85	32-127

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Semivolatile Organics by GC/MS

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8270C
Project#:	4-02-742-ST		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC177725	Batch#:	72112
Matrix:	Soil	Prepared:	05/07/02
Units:	ug/Kg	Analyzed:	05/08/02
Basis:	as received		

Analyte	Spiked	Result	%REC	Limits
Acenaphthene	1,682	1,423	85	40-120
Pentachlorophenol	3,365	3,154	94	24-120
Pyrene	1,682	1,443	86	34-120

Surrogate	%REC	Limits
Nitrobenzene-d5	77	35-120
2-Fluorobiphenyl	87	38-121
Terphenyl-d14	81	32-127

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8082
Project#:	4-02-742-ST		
Matrix:	Soil	Batch#:	72121
Units:	ug/Kg	Sampled:	05/03/02
Basis:	as received	Received:	05/03/02
Diln Fac:	1.000	Prepared:	05/07/02

Field ID:	T1-7-1	Analyzed:	05/08/02
Type:	SAMPLE	Cleanup Method:	EPA 3665A
Lab ID:	158420-001		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	88	55-150
Decachlorobiphenyl	105	37-150

Field ID:	T1-10-2	Analyzed:	05/08/02
Type:	SAMPLE	Cleanup Method:	EPA 3665A
Lab ID:	158420-002		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	98	55-150
Decachlorobiphenyl	104	37-150

Field ID:	T2-6.5-1	Analyzed:	05/08/02
Type:	SAMPLE	Cleanup Method:	EPA 3665A
Lab ID:	158420-003		

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	103	55-150
Decachlorobiphenyl	89	37-150

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8082
Project#:	4-02-742-ST		
Matrix:	Soil	Batch#:	72121
Units:	ug/Kg	Sampled:	05/03/02
Basis:	as received	Received:	05/03/02
Diln Fac:	1.000	Prepared:	05/07/02

Field ID: T2-8.5-2 Analyzed: 05/08/02
Type: SAMPLE Cleanup Method: EPA 3665A
Lab ID: 158420-004

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	99	55-150
Decachlorobiphenyl	93	37-150

Field ID: T2-11-3 Analyzed: 05/08/02
Type: SAMPLE Cleanup Method: EPA 3665A
Lab ID: 158420-005

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	107	55-150
Decachlorobiphenyl	98	37-150

Type: BLANK Analyzed: 05/07/02
Lab ID: QC177756 Cleanup Method: EPA 3665A

Analyte	Result	RL
Aroclor-1016	ND	12
Aroclor-1221	ND	24
Aroclor-1232	ND	12
Aroclor-1242	ND	12
Aroclor-1248	ND	12
Aroclor-1254	ND	12
Aroclor-1260	ND	12

Surrogate	%REC	Limits
TCMX	107	55-150
Decachlorobiphenyl	105	37-150

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Polychlorinated Biphenyls (PCBs)

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8082
Project#:	4-02-742-ST		
Type:	LCS	Diln Fac:	1.000
Lab ID:	QC177757	Batch#:	72121
Matrix:	Soil	Prepared:	05/07/02
Units:	ug/Kg	Analyzed:	05/09/02
Basis:	as received		

Cleanup Method: EPA 3665A

Analyte	Spiked	Result	%REC	Limits
Aroclor-1260	165.0	186.8	113	58-124

Surrogate	%REC	Limits
TCMX	105	55-150
Decachlorobiphenyl	94	37-150

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Polychlorinated Biphenyls (PCBs)

Lab #:	158420	Prep:	EPA 3550
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 8082
Project#:	4-02-742-ST		
Field ID:	ZZZZZZZZZZ	Batch#:	72121
MSS Lab ID:	158331-022	Sampled:	04/28/02
Matrix:	Soil	Received:	04/29/02
Units:	ug/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/08/02
Diln Fac:	1.000		

ype: MS Cleanup Method: EPA 3665A
ab ID: QC177758

Analyte	MSS Result	Spiked	Result	%REC	Limits
Aroclor-1260	<2.900	166.4	182.3	110	26-133

Surrogate	%REC	Limits
TCMX	114	55-150
Decachlorobiphenyl	82	37-150

Type: MSD Cleanup Method: EPA 3665A
Lab ID: QC177759

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Aroclor-1260	167.1	171.1	102	26-133	7	40

Surrogate	%REC	Limits
TCMX	117	55-150
Decachlorobiphenyl	77	37-150

PD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Cadmium

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Cadmium	Batch#:	72109
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received	Prepared:	05/07/02
Diln Fac:	1.000	Analyzed:	05/09/02

Field ID	Type	Lab ID	Result	RL
T1-7-1	SAMPLE	158420-001	0.85	0.24
T1-10-2	SAMPLE	158420-002	0.96	0.23
T2-6.5-1	SAMPLE	158420-003	0.95	0.21
T2-8.5-2	SAMPLE	158420-004	0.86	0.21
T2-11-3	SAMPLE	158420-005	1.0	0.23
	BLANK	QC177709	ND	0.25

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Cadmium

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Cadmium	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72109
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC177710	10.00	8.900	89	69-120		
BSD	QC177711	10.00	8.950	90	69-120	1	20

RPD= Relative Percent Difference

Cadmium

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Cadmium	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	72109
MSS Lab ID:	158425-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC177712	0.9951	9.950	9.104	81	43-120		
MSD	QC177713		9.524	7.762	71	43-120	12	26

RPD= Relative Percent Difference

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Curtis & Tompkins, Ltd.

Chromium

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Chromium	Batch#:	72109
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received	Prepared:	05/07/02
Diln Fac:	1.000	Analyzed:	05/09/02

Field ID	Type	Lab ID	Result	RL
T1-7-1	SAMPLE	158420-001	26	0.47
T1-10-2	SAMPLE	158420-002	29	0.46
T2-6.5-1	SAMPLE	158420-003	28	0.42
T2-8.5-2	SAMPLE	158420-004	25	0.43
T2-11-3	SAMPLE	158420-005	29	0.45
	BLANK	QC177709	ND	0.50

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Chromium

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Chromium	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72109
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC177710	100.0	89.50	90	72-120		
BSD	QC177711	100.0	90.00	90	72-120	1	20

RPD= Relative Percent Difference

Chromium

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Chromium	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	72109
MSS Lab ID:	158425-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC177712	17.70	99.50	102.5	85	62-145		
MSD	QC177713		95.24	88.10	74	62-145	11	33

RPD= Relative Percent Difference

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Lead

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Lead	Batch#:	72109
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received	Prepared:	05/07/02
Diln Fac:	1.000	Analyzed:	05/09/02

Field ID	Type	Lab ID	Result	RL
T1-7-1	SAMPLE	158420-001	4.7	0.14
T1-10-2	SAMPLE	158420-002	7.4	0.14
T2-6.5-1	SAMPLE	158420-003	4.2	0.13
T2-8.5-2	SAMPLE	158420-004	5.3	0.13
T2-11-3	SAMPLE	158420-005	5.7	0.14
	BLANK	QC177709	ND	0.15

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Lead

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Lead	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72109
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC177710	100.0	90.00	90	70-120		
BSD	QC177711	100.0	90.50	91	70-120	1	20

RPD= Relative Percent Difference

Lead

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Lead	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	72109
MSS Lab ID:	158425-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC177712	45.44	99.50	134.3	89	46-128		
MSD	QC177713		95.24	112.9	71	46-128	14	39

RPD= Relative Percent Difference

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Nickel

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Nickel	Batch#:	72109
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received	Prepared:	05/07/02
Diln Fac:	1.000	Analyzed:	05/09/02

Field ID	Type	Lab ID	Result	RL
T1-7-1	SAMPLE	158420-001	37	0.95
T1-10-2	SAMPLE	158420-002	38	0.91
T2-6.5-1	SAMPLE	158420-003	37	0.85
T2-8.5-2	SAMPLE	158420-004	36	0.86
T2-11-3	SAMPLE	158420-005	54	0.90
	BLANK	QC177709	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Nickel

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Nickel	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72109
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC177710	25.00	22.25	89	72-120		
BSD	QC177711	25.00	22.65	91	72-120	2	20

RPD= Relative Percent Difference

Nickel

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Nickel	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	72109
MSS Lab ID:	158425-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC177712	35.05	24.88	59.70	99	62-141		
MSD	QC177713		23.81	50.00	63	62-141	16	37

RPD= Relative Percent Difference

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Zinc

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Zinc	Batch#:	72109
Matrix:	Soil	Sampled:	05/03/02
Units:	mg/Kg	Received:	05/03/02
Basis:	as received	Prepared:	05/07/02
Diln Fac:	1.000	Analyzed:	05/09/02

Field ID	Type	Lab ID	Result	RL
T1-7-1	SAMPLE	158420-001	35	0.95
T1-10-2	SAMPLE	158420-002	47	0.91
T2-6.5-1	SAMPLE	158420-003	44	0.85
T2-8.5-2	SAMPLE	158420-004	34	0.86
T2-11-3	SAMPLE	158420-005	42	0.90
	BLANK	QC177709	ND	1.0

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd

Zinc

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Zinc	Diln Fac:	1.000
Matrix:	Soil	Batch#:	72109
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	Spiked	Result	%REC	Limits	RPD	Lim
BS	QC177710	25.00	22.80	91	65-120		
BSD	QC177711	25.00	23.00	92	65-120	1	20

RPD= Relative Percent Difference

Zinc

Lab #:	158420	Prep:	EPA 3050
Client:	Enviro Soil Tech Consultants	Analysis:	EPA 6010B
Project#:	4-02-742-ST		
Analyte:	Zinc	Diln Fac:	1.000
Field ID:	ZZZZZZZZZZ	Batch#:	72109
MSS Lab ID:	158425-001	Sampled:	05/03/02
Matrix:	Soil	Received:	05/03/02
Units:	mg/Kg	Prepared:	05/07/02
Basis:	as received	Analyzed:	05/09/02

Type	Lab ID	MSS Result	Spiked	Result	%REC	Limits	RPD	Lim
MS	QC177712	36.67	24.88	61.19	99	55-150		
MSD	QC177713		23.81	50.00	56	55-150	18	38

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

File No. 4-02-742-ST

A P P E N D I X "D"

ENVIRO SOIL TECH CONSULTANTS

File No. TR198

REMOVAL OF TWO UST
FROM THE PROPERTY
LOCATED AT 3800 SAN PABLO AVENUE
EMERYVILLE, CALIFORNIA
MAY 10, 2002

PREPARED FOR:
MS. ELAINE KIRK
MARKS MANAGEMENT CO.
555 MONTGOMERY STREET, SUITE 1205
SAN FRANCISCO, CALIFORNIA 94111

BY:
ALPHA GEO SERVICES
1093 PETRONI WAY
SAN JOSE, CALIFORNIA 95120

ALPHA GEO SERVICES

File No. TR198

TABLE OF CONTENTS

ALPHA GEO SERVICES

General Engineer Contractor License No. 507520
1093 PETRONI WAY, SAN JOSE, CALIFORNIA 95120
Tel: (408) 292-2090 Fax: (408) 292-2116

May 10, 2002

File No. TR198

Ms. Elaine Kirk
Marks Management Co.
555 Montgomery Street, Suite 1205
San Francisco, California 94111

SUBJECT: REMOVAL OF 2 UST FROM THE PROPERTY
Located at 3800 San Pablo Avenue, in
Emeryville, California

Dear Ms. Kirk:

Per your request and authorization, our firm has provided underground storage tank removal services for the property located at 3800 San Pablo Avenue, in Emeryville, California.

After obtaining all the necessary permits from the Alameda County Health Care Services Agency-Environmental Health Services (ACHCSA-EHS) and Emeryville Fire Department, Alpha Geo Services excavated and removed one 550 gallon and one 1000 gallon heating oil underground storage tank on May 2, 2002. The tanks were triple rinse, cleaned and cut up at the site and properly disposed at a metal recycling facility.

After removal of the tanks, Enviro Soil Tech Consultants (ESTC) took soil samples from the base of the tanks excavation under the supervision of Mr. Robert Weston with ACHCSA-EHS. The results of the sampling and analysis will be submitted by ESTC in a separate report.

Enclosed, please find copies of the permit and manifest paper.

AGS recommend that a copy of this report be forwarded to the proper state and local regulatory agencies.

If you have any questions or require additional information, please feel free to contact our office at (408) 292-2090.

Sincerely,

ALPHA GEO SERVICES

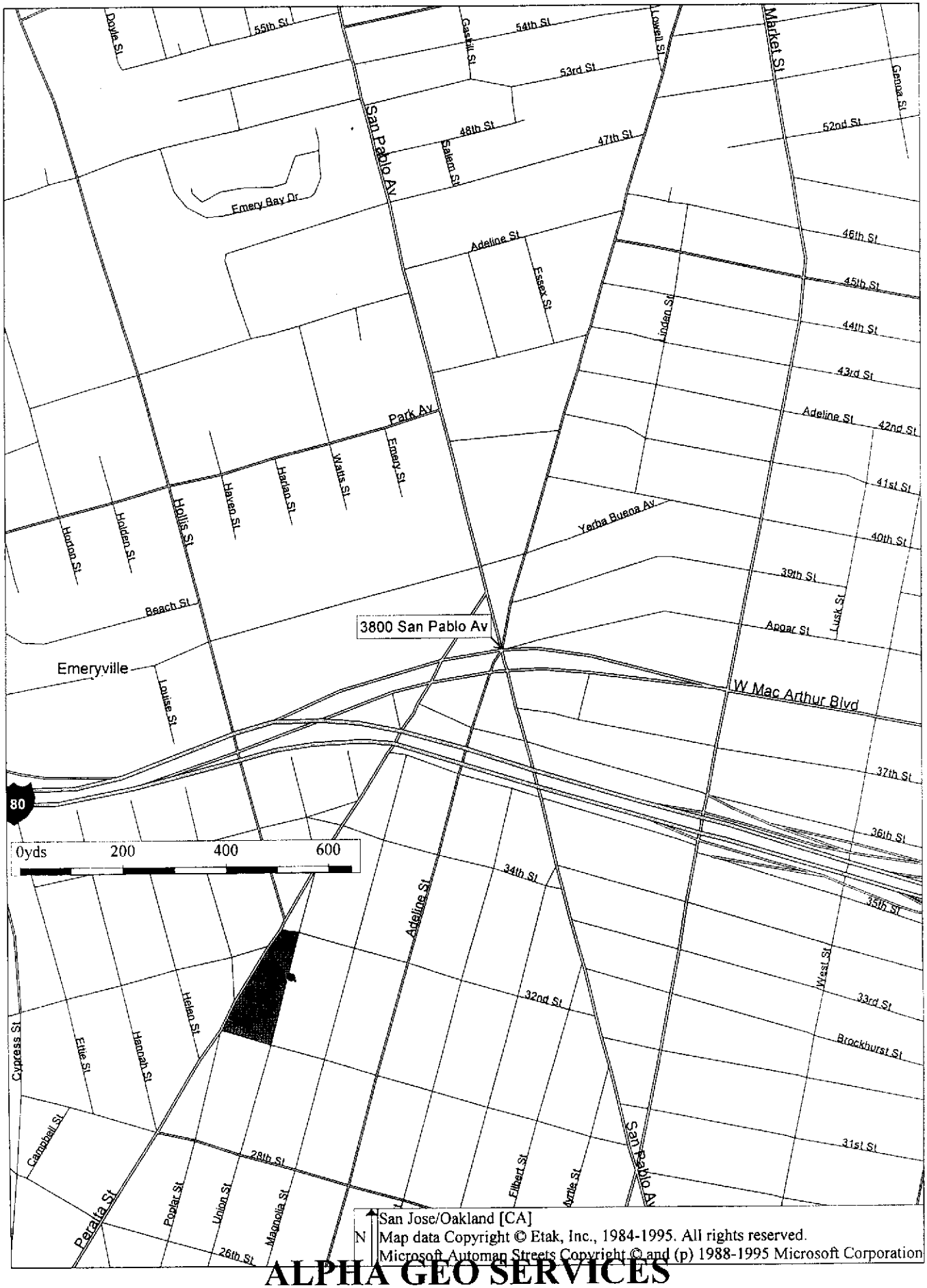
FRANK HAMEDI-FARD
GENERAL MANAGER

File No. TR198

A P P E N D I X "A"

ALPHA GEO SERVICES

File No. TR198

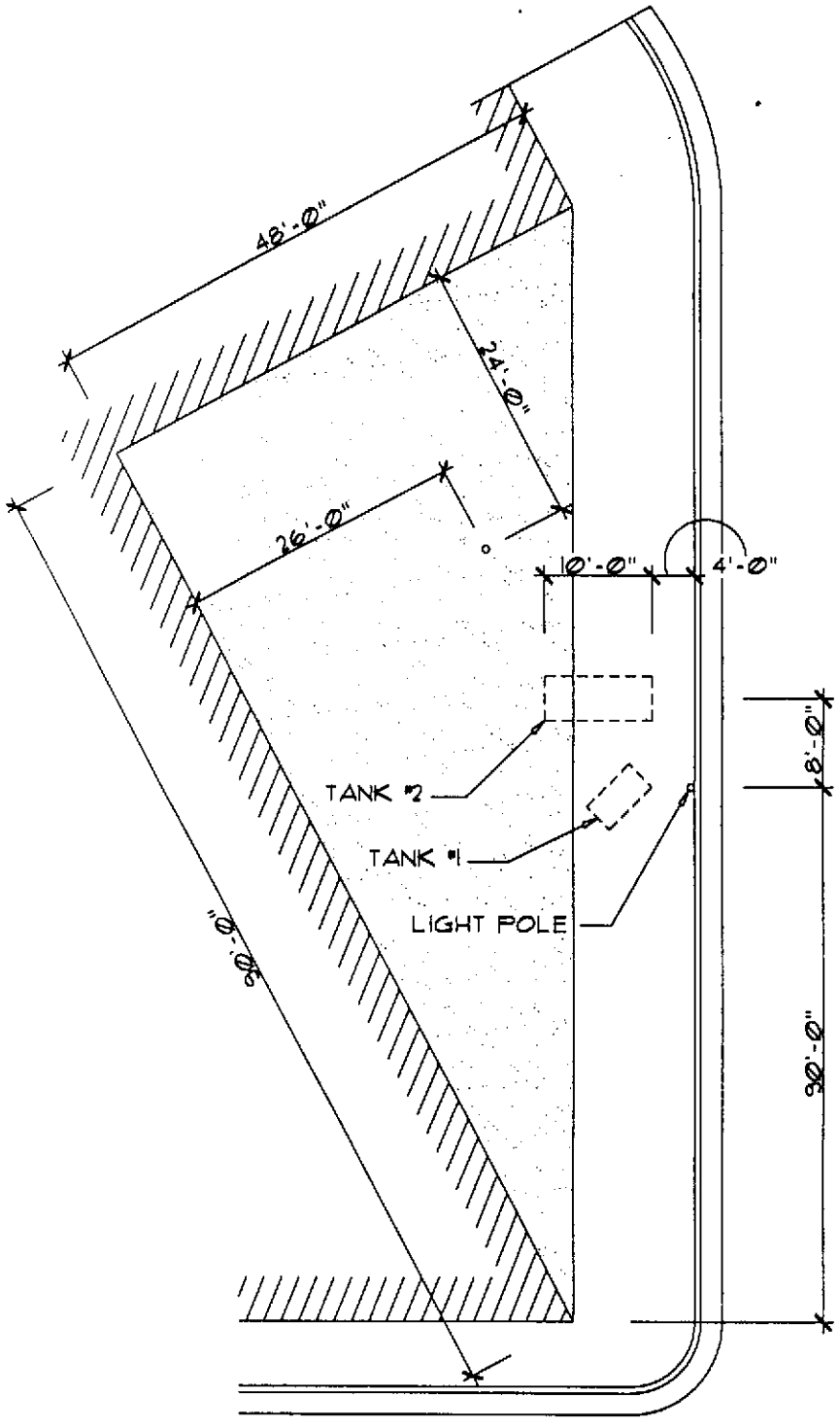


ALPHA GEO SERVICES

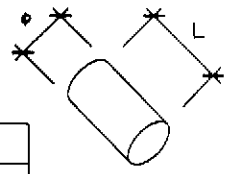
Figure 1

M1

Rev.	Date	Description	By



TANK No.	V g.	ϕ in.	L in.	D in.
1	550	36	67	24
2	1000	48	120	24



L = Length
D = Depth
g. = Gallons
V = Capacity
ϕ = Diameter

Figure 2

ALPHA GEO SERVICES

M2

File No. TR198

A P P E N D I X "B"

ALPHA GEO SERVICES

ALAMEDA COUNTY HEALTH CARE SERVICES AGENCY
ENVIRONMENTAL HEALTH SERVICES
1131 HARBOR BAY PARKWAY, RM 250
ALAMEDA, CA 94502-6577
PHONE # 510/567-6700

ACCEPTED

Underground Storage Tank Closure Permit Application
Alameda County Division of Hazardous Materials
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577

These closure/removal plans have been received and found to be acceptable and essentially meet the requirements of State and Local Health Laws. Changes to your closure plans indicated by this Department are to assure compliance with State and local laws. The project proposed herein is now released for issuance of any required building permits for construction/destruction.

One copy of the accepted plans must be on the job and available to all contractors and craftsmen involved with the removal.

Any changes or alterations of these plans and specifications must be submitted to this Department and to the Fire and Building Inspections Department to determine if such changes meet the requirements of State and local laws.

Notify this Department at least 72 hours prior to the following required inspections:

___ Removal of Tank(s) and Piping
___ Sampling
___ Final Inspection

THERE IS A FINANCIAL PENALTY FOR NOT OBTAINING THESE INSPECTIONS

Issuance of a) permit to operate, b) permanent site closure, is dependant on compliance with accepted plans and all applicable laws and regulations.

Contact Specialist: ROBERT WESTON 5-1-02

SITE SAFETY PLAN REQUIRED ON JOB SITE!

UNDERGROUND TANK CLOSURE PLAN

*** * * Complete plan according to attached instructions * * ***

1. Name of Business MAZ

   Business Owner or Contact Person (PRINT) Ed Hemmet

2. Site Address 3800 San Pablo Avenue

   City Emeryville Zip 94608 Phone 510-773-7100

3. Mailing Address _____

   City _____ Zip _____ Phone _____

4. Property Owner Marks Management Co.

   Business Name (if applicable) _____

   Address 555 Montgomery Street #1205

   City, State San Francisco, CA Zip 94111

5. Generator name under which tank will be manifested

   San Pablo Avenue Venture

   EPA ID# under which tank will be manifested C A C 0 0 2 5 5 1 3 6 1

6. Contractor Alpha Geo Services

Address 1093 Petroni Way

City San Jose Phone 95120

License Type C57 & General "A" & HAZMAT ID# 507520

7. Consultant (if applicable) Enviro Soil Tech Consultants

Address 131 Tully Road

City, State San Jose, CA Phone 408-297-1500

8. Main Contact Person for Investigation (if applicable)

Name Frank Hamedi Title General Manager

Company Alpha Geo Services

Phone 408-292-2090

9. Number of underground tanks being closed with this plan 2

Length of piping being removed under this plan Unknown

Total number of underground tanks at this facility (**confirmed with owner or operator) 2

10. State Registered Hazardous Waste Transporters/Facilities (see instructions).

**** Underground storage tanks must be handled as hazardous waste ****

a) Product/Residual Sludge/Rinsate Transporter

Name Asbury Environmental Services EPA I.D. No. CAD028277036

Hauler License No. 0015 License Exp. Date 4/30/03

Address 1300 South Santa Fe Avenue

City Compton State CA Zip 90221

b) Product/Residual Sludge/Rinsate Disposal Site

Name Artesian Oil Recovery EPA ID# CAL000233905

Address 2306 Magnolia Street

City Oakland State CA Zip 94607

c) Tank and Piping Transporter

Name Alpha Geo Services EPA I.D. No. _____

Hauler License No. _____ License Exp. Date _____

Address 1093 Petroni Way

City San Jose State CA Zip 95120

d) Tank and Piping Disposal Site

Name Valley Recycling EPA I.D. No. _____

Address 1615B South Seventh Street

City San Jose State CA Zip 95112

11. Sample Collector

Name Frank Hamedi-Fard

Company Enviro Soil Tech Consultants

Address 131 Tully Road

City San Jose State CA Zip 95111 Phone 408-297-1500

12. Laboratory

Name Curtis & Tompkins, Ltd.

Address 2323 Fifth Street

City Berkeley State CA Zip 510-486-0900

State Certification No. CA ELAP #1459

13. Have tanks or pipes leaked in the past? Yes[ ] No[ ] Unknown[X]

If yes, describe. _____

14. Describe methods to be used for rendering tank(s) inert:

Tanks to be inerted with dry ice.

Before tanks are pumped out and inerted, all associated piping must be flushed back into the tank(s). All accessible piping must then be removed. Inaccessible piping must be permanently plugged using grout.

The Bay Area Air Quality Management District, 415/771-6000, along with local Fire and Building Departments, must also be contacted for tank removal permits. Fire departments typically require the use of a combustible gas indicator to verify tank inertness. It is the **contractor's responsibility to have a functional combustible gas indicator on-site to verify that the tank(s) is inerted.**

15. Tank History and Sampling Information *** **(see instructions)** ***

Tank		Material to be sampled (tank contents, soil, groundwater)	Location and Depth of Samples
Capacity	Use History include date last used (estimated)		
550 Gallon		Soil and/or groundwater (if water is encountered)	
550 Gallon		Soil and/or groundwater (if water is encountered)	

One soil sample must be collected for every 20 linear feet of piping that is removed. A ground water sample must be collected if any ground water is present in the excavation.

Excavated/Stockpiled Soil	
Stockpiled Soil Volume (estimated)	Sampling Plan

Stockpiled soil must be placed on bermed plastic and must be completely covered by plastic sheeting.

Will the excavated soil be returned to the excavation immediately after tank removal? [ ] yes [ ] no [XX] unknown

If yes, explain reasoning _____

_____

If unknown at this point in time, please be aware that **excavated soil may not be returned to the excavation without prior approval from this office. This means that the contractor, consultant, or responsible party must communicate with the Specialist IN ADVANCE of backfilling activities.**

16. Chemical methods and associated detection limits to be used for analyzing samples:

The Tri-Regional Board recommended minimum verification analyses and practical quantitation reporting limits should be followed. See attached Table 2.

17. Submit Site Health and Safety Plan (See Instructions)

Contaminant Sought	EPA or Other Sample Preparation Method Number	EPA or Other Analysis Method Number	Method Detection Limit
THPg	8015/3550		
TPHd	8015/3550		
TOG	5520		
BTEX	8260B		
MTBE	8260B		
Other Fuel Oxgenate	8260B		
SEE ATTACHED LIST OF USED OIL ANALYSES!			

18. Submit Worker's Compensation Certificate copy

Name of Insurer Exempt

19. Submit Plot Plan ***(See Instructions)***

20. Enclose Deposit (See Instructions)

21. **Report all leaks or contamination to this office within 5 days of discovery.**
The written report shall be made on an Underground Storage Tank Unauthorized Leak/Contamination Site Report (ULR) form.

22. **Submit a closure report to this office within 60 days of the tank removal. The report must contain all information listed in item 22 of the instructions.**

23. Submit State (Underground Storage Tank Permit Application) Forms A and B (one-B form for each UST to be removed) (mark box 8 for "tank removed" in the upper right hand corner)

I declare that to the best of my knowledge and belief that the statements and information provided above are correct and true.

I understand that information, in addition to that provided above, may be needed in order to obtain approval from the Environmental Protection Division and that no work is to begin on this project until this plan is approved.

I understand that any changes in design, materials or equipment will void this plan if prior approval is not obtained.

I understand that all work performed during this project will be done in compliance with all applicable OSHA (Occupational Safety and Health Administration) requirements concerning personnel health and safety. I understand that site and worker safety are solely the responsibility of the property owner or his agent and that this responsibility is not shared nor assumed by the County of Alameda.

Once I have received my stamped, accepted closure plan, I will contact the project Hazardous Materials Specialist at least three working days in advance of site work to schedule the required inspections.

CONTRACTOR INFORMATION

Name of Business Alpha Geo Services

Name of Individual Frank Hamedi-Frad

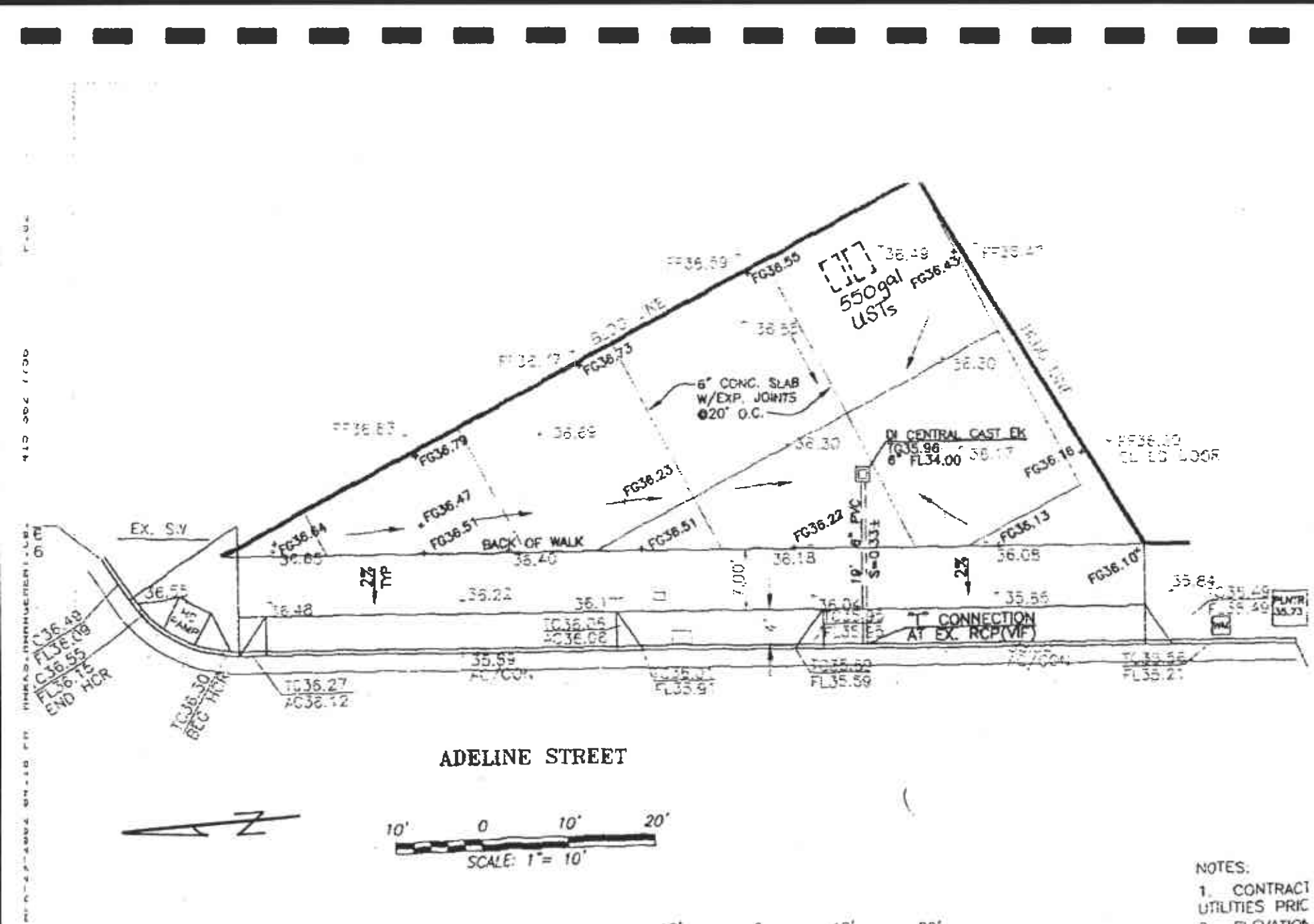
Signature [signature] Date 4-29-02

PROPERTY OWNER OR MOST RECENT TANK OPERATOR (Circle one)

Name of Business Marks Management Co.

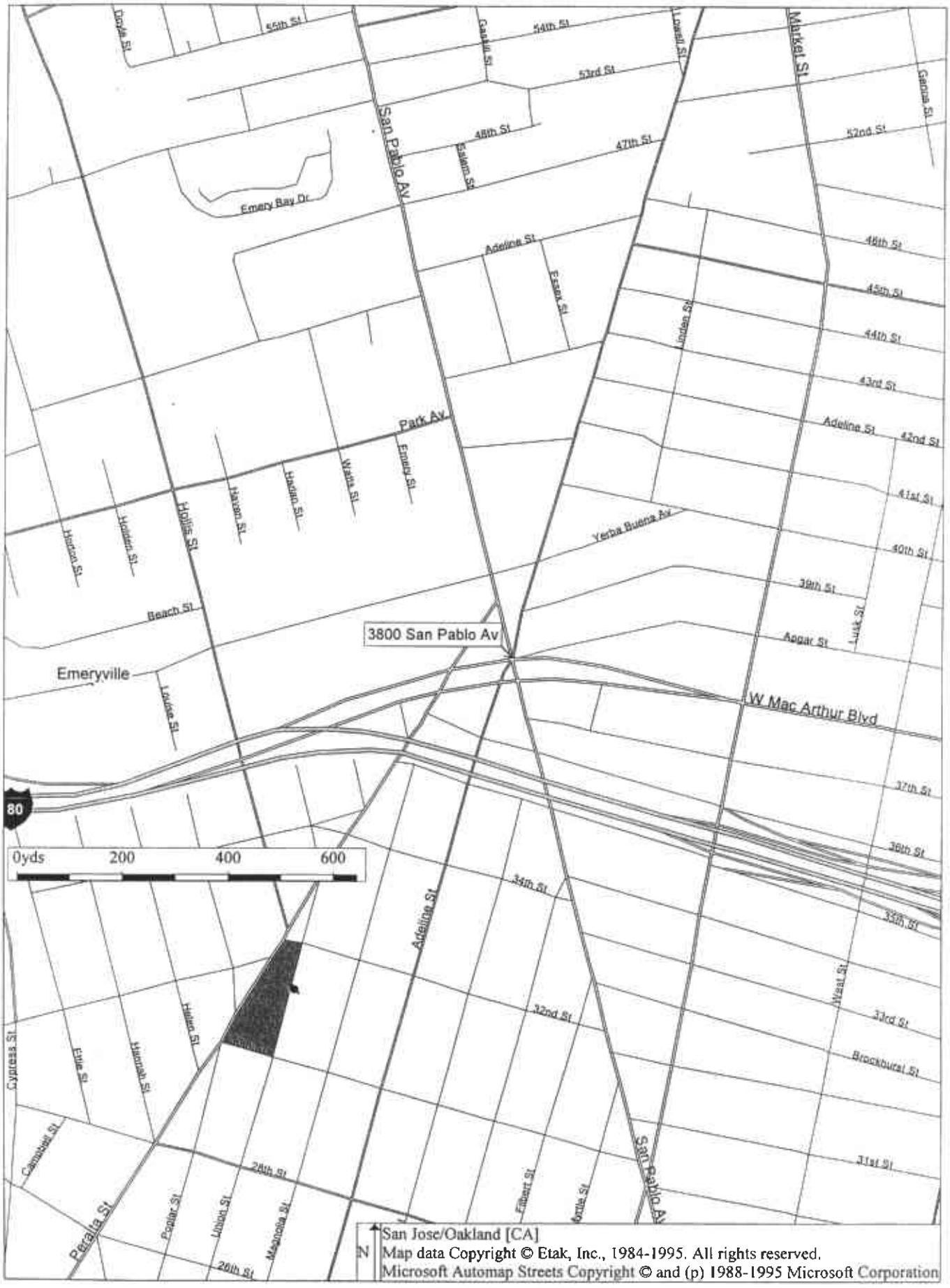
Name of Individual Elaine Kirk

Signature Diana Nguyen for Elaine Kirk Date 4-29-02



NOTES:

1. CONTRACT
UTILITIES PRIC
2. ELEVATION


3800 San Pablo Av
Emeryville
W Mac Arthur Blvd
San Pablo Av
Market St
Adeline St
Park Av
Yerba Buena Av
Beach St
Emery Bay Dr
Doyle St
45th St
54th St
53rd St
48th St
47th St
Essex St
Genoa St
52nd St
46th St
45th St
44th St
43rd St
42nd St
41st St
40th St
39th St
Aggar St
37th St
36th St
35th St
34th St
32nd St
33rd St
31st St
Brockhurst St
28th St
26th St
Hollis St
Horton St
Holden St
Hazen St
Harlan St
Watts St
Emery St
Louise St
Linden St
Lusk St
West St
Helen St
Hannah St
Ettie St
Cypress St
Campbell St
Peralta St
Poplar St
Union St
Magnolia St
Ambrose St
Filbert St
Arlington Ave
80
0yds
200
400
600
N
San Jose/Oakland [CA]
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Microsoft Automap Streets Copyright © and (p) 1988-1995 Microsoft Corporation

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS - FACILITY

(one page per site) Page 1 of 1

TYPE OF ACTION (Check one item only) ☐ 1. NEW SITE PERMIT ☐ 3. RENEWAL PERMIT ☐ 4. AMENDED PERMIT ☐ 5. CHANGE OF INFORMATION specify change local use only _____ ☐ 6. TEMPORARY SITE CLOSURE ☐ 7. PERMANENTLY CLOSED SITE ☒ 8. TANK REMOVED 400

I. FACILITY / SITE INFORMATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3: MAZ

FACILITY ID#: CAC0025513611

NEAREST CROSS STREET 401: Mac Arthur Blvd.

BUSINESS TYPE 403: ☐ 1. GAS STATION ☐ 3. FARM ☐ 5. COMMERCIAL ☐ 2. DISTRIBUTOR ☐ 4. PROCESSOR ☒ 6. OTHER

FACILITY OWNER TYPE 402: ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY/DISTRICT* ☐ 5. COUNTY AGENCY* ☐ 6. STATE AGENCY* ☐ 7. FEDERAL AGENCY*

TOTAL NUMBER OF TANKS REMAINING AT SITE 404: 2

Is facility on Indian Reservation or trustlands? 405: ☐ Yes ☒ No

*If owner of UST is a public agency: name of supervisor of division, section or office which operates the UST (This is the contact person for the tank records.) 406:

II. PROPERTY OWNER INFORMATION

PROPERTY OWNER NAME 407: Marks Management Co.

PHONE 408: 415-392-3558

MAILING OR STREET ADDRESS 409: 555 Montgomery Street #1205

CITY 410: San Francisco

STATE 411: CA

ZIP CODE 412: 94111

PROPERTY OWNER TYPE 413: ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

III. TANK OWNER INFORMATION

TANK OWNER NAME 414: San Pablo Avenue Venture

PHONE 415: 415-392-3558

MAILING OR STREET ADDRESS 416: 555 Montgomery Street #1205

CITY 417: San Francisco

STATE 418: CA

ZIP CODE 419: 94111

TANK OWNER TYPE 420: ☒ 1. CORPORATION ☐ 2. INDIVIDUAL ☐ 3. PARTNERSHIP ☐ 4. LOCAL AGENCY / DISTRICT ☐ 5. COUNTY AGENCY ☐ 6. STATE AGENCY ☐ 7. FEDERAL AGENCY

IV. BOARD OF EQUALIZATION UST STORAGE FEE ACCOUNT NUMBER

TY (TK) HQ 44- _____ Call (916) 322-9669 if questions arise 421

V. PETROLEUM UST FINANCIAL RESPONSIBILITY

INDICATE METHOD(s) 422: ☐ 1. SELF-INSURED ☐ 2. GUARANTEE ☐ 3. INSURANCE ☐ 4. SURETY BOND ☐ 5. LETTER OF CREDIT ☐ 6. EXEMPTION ☐ 7. STATE FUND ☐ 8. STATE FUND & CFO LETTER ☐ 9. STATE FUND & CD ☐ 10. LOCAL GOVT MECHANISM ☐ 99. OTHER: . . . . .

VI. LEGAL NOTIFICATION AND MAILING ADDRESS

Check one box to indicate which address should be used for legal notifications and mailing. Legal notifications and mailings will be sent to the tank owner unless box 1 or 2 is checked. 423: ☐ 1. FACILITY ☒ 2. PROPERTY OWNER ☐ 3. TANK OWNER

VII. APPLICANT SIGNATURE

Certification - I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF APPLICANT

DATE 424: 4-29-02

PHONE 425: 408-292-2090

NAME OF APPLICANT (print) 426: Frank Hamedi-Fard

TITLE OF APPLICANT 427: Agent

STATE UST FACILITY NUMBER (For local use only) 428:

1998 UPGRADE CERTIFICATE NUMBER (For local use only) 429:

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 1

(two pages per tank)

Page 1 of 2

TYPE OF ACTION (Check one item only) ☐ 1 NEW SITE PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 3 RENEWAL PERMIT (Specify reason – for local use only) (Specify reason – for local use only) ☒ 8 TANK REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3
MAZ

FACILITY ID: CA C [redacted] 0 0 2 [redacted] 5 5 1 3 6 1

LOCATION WITHIN SITE (Optional) 431
3800 San Pablo Avenue, San Pablo Avenue, Emeryville, CA

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK ☐ Yes ☒ No 434
1	Unknown	If "Yes", complete one page for each compartment
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
Unknown	550 Gallon	1

ADDITIONAL DESCRIPTION (For local use only) 438

II. TANK CONTENTS

TANK USE 439
☐ 1 MOTOR VEHICLE FUEL (If marked complete Petroleum Type)
☐ 2 NON-FUEL PETROLEUM
☐ 3 CHEMICAL PRODUCT
☒ 4 HAZARDOUS WASTE (Includes Used Oil)
☐ 95 UNKNOWN

PETROLEUM TYPE 440
☐ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☐ 3. DIESEL ☐ 6. AVIATION FUEL
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☒ 99. OTHER ..... Waste Oil

COMMON NAME (from Hazardous Materials Inventory page) 441
Waste Oil

CAS# (from Hazardous Materials Inventory page) 442

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) 443
☒ 1. SINGLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM ☐ 95. UNKNOWN
☐ 2. DOUBLE WALL ☐ 4. SINGLE WALL IN VAULT ☐ 99. OTHER .....

TANK MATERIAL – primary tank (Check one item only) 444
☒ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☐ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 99. OTHER .....

TANK MATERIAL – secondary tank (Check one item only) 445
☒ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☐ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 99. OTHER .....
☐ 10. COATED STEEL
☐ 5. CONCRETE

TANK INTERIOR LINING OR COATING (Check one item only) 446
☐ 1. RUBBER LINED ☐ 3. EPOXY LINING ☐ 5. GLASS LINING ☒ 95. UNKNOWN
☐ 2 ALKYD LINING ☐ 4 PHENOLIC LINING ☐ 6 UNLINED ☐ 99 OTHER .....

DATE INSTALLED 447 (For local use only)

OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only) 448
☐ 1 MANUFACTURED CATHODIC PROTECTION ☐ 3 FIBERGLASS REINFORCED PLASTIC ☒ 95 UNKNOWN
☐ 2 SACRIFICIAL ANODE ☐ 4 IMPRESSED CURRENT ☐ 99 OTHER

448 (For local use only)

SPILL AND OVERFILL (Check all that apply) YEAR INSTALLED 450 TYPE (local use only) 451
☐ 1 SPILL CONTAINMENT ....
☐ 2 DROP TUBE ....
☐ 3 STRIKER PLATE ....

OVERFILL PROTECTION EQUIPMENT YEAR INSTALLED 452
☐ 1 ALARM ..... ☐ 3 FILL TUBE SHUT OFF VALVE .....
☐ 2 BALL FLOAT ..... ☐ 4 EXEMPT

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) 453
☒ 1 VISUAL (EXPOSED PORTION ONLY)
☐ 2 AUTOMATIC TANK GAUGING (ATG)
☐ 3 CONTINUOUS ATG
☐ 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING
☐ 5 MANUAL TANK GAUGING (MTG)
☐ 6 VADOSE ZONE
☐ 7 GROUNDWATER
☐ 8 TANK TESTING
☐ 99 OTHER .....

IF DOUBLE WALL TANK OR TANK WITH BLADDER (Check one item only) 454
☐ 1 VISUAL (SINGLE WALL IN VAULT ONLY)
☐ 2 CONTINUOUS INTERSTITIAL MONITORING
☐ 3 MANUAL MONITORING

IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
Unknown	0 gallons	☒ Yes ☐ No

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

	UNDERGROUND PIPING	ABOVEGROUND PIPING
SYSTEM TYPE	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY 458	☐ 1. PRESSURE ☐ 2. SUCTION ☐ 3. GRAVITY 459
CONSTRUCTION	☒ 1. SINGLE WALL ☐ 3. LINED TRENCH ☐ 99. OTHER 460	☐ 1. SINGLE WALL ☐ 95. UNKNOWN 462
MANUFACTURER	☐ 2. DOUBLE WALL ☒ 95. UNKNOWN	☐ 2. DOUBLE WALL ☐ 99. OTHER
MANUFACTURER	461	MANUFACTURER 463
	☒ 1. BARE STEEL ☐ 6. FRP COMPATIBLE w/100% METHANOL	☐ 1. BARE STEEL ☐ 6. FRP COMPATIBLE w/100% METHANOL
	☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL ☐ Unknown	☐ 2. STAINLESS STEEL ☐ 7. GALVANIZED STEEL
	☐ 3. PLASTIC COMPATIBLE W/ CONTENTS ☐ 99. Other	☐ 3. PLASTIC COMPATIBLE W/ CONTENTS ☐ 8. FLEXIBLE (HDPE) ☐ 99. OTHER
	☐ 4. FIBERGLASS ☐ 8. FLEXIBLE (HDPE)	☐ 4. FIBERGLASS ☐ 9. CATHODIC PROTECTION
	☐ 5. STEEL W/COATING ☐ 9. CATHODIC PROTECTION 464	☐ 5. STEEL W/COATING ☐ 95. UNKNOWN 465

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING (Check all that apply) Unknown

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1GPH)

CONVENTIONAL SUCTION SYSTEMS

☐ 5. DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUNDPIPING)

☐ 7. SELF MONITORING

GRAVITY FLOW

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply)

☐ 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)

- ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
- ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
- ☐ c. NO AUTO PUMP SHUT OFF

☐ 11. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION

☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING (Check all that apply)

☐ 1. ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS

☐ 2. MONTHLY 0.2 GPH TEST

☐ 3. ANNUAL INTEGRITY TEST (0.1GPH)

☐ 4. DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS (Check all that apply)

☐ 5. DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM

☐ 6. TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING)

☐ 7. SELF MONITORING

GRAVITY FLOW (Check all that apply)

☐ 8. DAILY VISUAL MONITORING

☐ 9. BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply)

☐ 10. CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)

- ☐ a. AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
- ☐ b. AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
- ☐ c. NO AUTO PUMP SHUT OFF

☐ 11. AUTOMATIC LEAK DETECTOR

☐ 12. ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

☐ 13. CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

☐ 14. CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS

☐ 15. AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)

☐ 16. ANNUAL INTEGRITY TEST (0.1 GPH)

☐ 17. DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT

DATE INSTALLED 468

Unknown

- ☐ 1. FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE
- ☐ 2. CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS
- ☐ 3. CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS
- ☐ 4. DAILY VISUAL CHECK
- ☐ 5. TRENCH LINER / MONITORING
- ☒ 6. NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF OWNER/OPERATOR Dianna Nguyen for Elaine Kirk 470

DATE 4-29-02

NAME OF OWNER/OPRATOR (print) Elaine Kirk 471

TITLE OF OWNER/OPERATOR Managers for Property Owner

Permit Number (For local use only) 473

Permit Approved (For local use only)

Permit Expiration Date (For local use only) 475

UNIFIED PROGRAM CONSOLIDATED FORM

TANKS

UNDERGROUND STORAGE TANKS – TANK PAGE 1

(two pages per tank)

TYPE OF ACTION (Check one item only) ☐ 1 NEW SITE PERMIT ☐ 4 AMENDED PERMIT ☐ 5 CHANGE OF INFORMATION ☐ 6 TEMPORARY SITE CLOSURE ☐ 7 PERMANENTLY CLOSED ON SITE ☐ 3 RENEWAL PERMIT (Specify reason – for local use only) (Specify reason – for local use only) ☒ 8 TANK REMOVED 430

BUSINESS NAME (Same as FACILITY NAME or DBA – Doing Business As) 3
MAZ

FACILITY ID: CAC0025513613

LOCATION WITHIN SITE (Optional) 431
3800 San Pablo Avenue, Emeryville, CA

I. TANK DESCRIPTION (A scaled plot plan with the location of the UST system including buildings and landmarks shall be submitted to the local agency.)

TANK ID # 432	TANK MANUFACTURER 433	COMPARTMENTALIZED TANK ☐ Yes ☒ No 434
2	Unknown	If "Yes", complete one page for each compartment
DATE INSTALLED (YEAR/MO) 435	TANK CAPACITY IN GALLONS 436	NUMBER OF COMPARTMENTS 437
Unknown	550 Gallon	1

ADDITIONAL DESCRIPTION (For local use only) 438

II. TANK CONTENTS

TANK USE 439
☐ 1 MOTOR VEHICLE FUEL (If marked complete Petroleum Type)
☐ 2 NON-FUEL PETROLEUM
☐ 3 CHEMICAL PRODUCT
☒ 4 HAZARDOUS WASTE (Includes Used Oil)
☐ 95 UNKNOWN

PETROLEUM TYPE 440
☐ 1a. REGULAR UNLEADED ☐ 2. LEADED ☐ 5. JET FUEL
☐ 1b. PREMIUM UNLEADED ☐ 3. DIESEL ☐ 6. AVIATION FUEL
☐ 1c. MIDGRADE UNLEADED ☐ 4. GASOHOL ☒ 99. OTHER .... Waste Oil

COMMON NAME (from Hazardous Materials Inventory page) 441
Waste Oil

CAS# (from Hazardous Materials Inventory page) 442

III. TANK CONSTRUCTION

TYPE OF TANK (Check one item only) 443
☒ 1. SINGLE WALL ☐ 3. SINGLE WALL WITH EXTERIOR MEMBRANE LINER ☐ 5. SINGLE WALL WITH INTERNAL BLADDER SYSTEM ☐ 95. UNKNOWN
☐ 2. DOUBLE WALL ☐ 4. SIGNLE WALL IN VAULT ☐ 99. OTHER ....

TANK MATERIAL – primary tank (Check one item only) 444
☒ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☐ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 99 OTHER ....

TANK MATERIAL – secondary tank (Check one item only) 445
☒ 1. BARE STEEL ☐ 3. FIBERGLASS / PLASTIC ☐ 5. CONCRETE ☐ 95. UNKNOWN
☐ 2. STAINLESS STEEL ☐ 4. STEEL CLAD W/FIBERGLASS REINFORCED PLASTIC (FRP) ☐ 8. FRP COMPTIBLE W/100% METHANOL ☐ 99 OTHER ....
☐ 10. COATED STEEL
☐ 5. CONCRETE

TANK INTERIOR LINING OR COATING (Check one item only) ☐ 1. RUBBER LINED ☐ 3. EPOXY LINING ☐ 5. GLASS LINING ☒ 95. UNKNOWN 446 DATE INSTALLED 447
☐ 2 ALKYD LINING ☐ 4 PHENOLIC LINING ☐ 6 UNLINED ☐ 99 OTHER .... (For local use only)

OTHER CORROSION PROTECTION IF APPLICABLE (Check one item only) ☐ 1 MANUFACTURED CATHODIC PROTECTION ☐ 3 FIBERGLASS REINFORCED PLASTIC ☐ 4 IMPRESSED CURRENT ☐ 2 SACRIFICIAL ANODE ☒ 95 UNKNOWN ☐ 99 OTHER 448 (For local use only) 448

SPILL AND OVERFILL (Check all that apply) YEAR INSTALLED 450 TYPE (local use only) 451
☐ 1 SPILL CONTAINMENT ....
☐ 2 DROP TUBE ....
☐ 3 STRIKER PLATE ....

OVERFILL PROTECTION EQUIPMENT YEAR INSTALLED 452
☐ 1 ALARM ..... ☐ 3 FILL TUBE SHUT OFF VALVE .....
☐ 2 BALL FLOAT ..... ☐ 4 EXEMPT

IV. TANK LEAK DETECTION (A description of the monitoring program shall be submitted to the local agency.)

IF SINGLE WALL TANK (Check all that apply) 453
☒ 1 VISUAL (EXPOSED PORTION ONLY)
☐ 2 AUTOMATIC TANK GAUGING (ATG)
☐ 3 CONTINUOUS ATG
☐ 4 STATISTICAL INVENTORY RECONCILIATION (SIR) BIENNIAL TANK TESTING
☐ 5 MANUAL TANK GAUGING (MTG)
☐ 6 VADOSE ZONE
☐ 7 GROUNDWATER
☐ 8 TANK TESTING
☐ 99 OTHER .....

IF DOUBLE WALL TANK OR TANK WITH BLADDER 454
(Check one item only)
☐ 1 VISUAL (SINGLE WALL IN VAULT ONLY)
☐ 2 CONTINUOUS INTERSTITIAL MONITORING
☐ 3 MANUAL MONITORING

IV. TANK CLOSURE INFORMATION / PERMANENT CLOSURE IN PLACE

ESTIMATED DATE LAST USED (YR/MO/DAY) 455	ESTIMATED QUANTITY OF SUBSTANCE REMAINING 456	TANK FILLED WITH INERT MATERIAL? 457
Unknown	0 gallons	☒ Yes ☐ No

UNIFIED PROGRAM CONSOLIDATED FORM

UNDERGROUND STORAGE TANKS – TANK PAGE 2

VI. PIPING CONSTRUCTION (Check all that apply)

UNDERGROUND PIPING		ABOVEGROUND PIPING	
SYSTEM TYPE ☐ 1 PRESSURE ☐ 2 SUCTION ☐ 3 GRAVITY 458		☐ 1 PRESSURE ☐ 2 SUCTION ☐ 3 GRAVITY 459	
CONSTRUCTION ☒ 1 SINGLE WALL ☐ 3 LINED TRENCH ☐ 99 OTHER 460		☐ 1 SINGLE WALL ☐ 95 UNKNOWN 462	
MANUFACTURER ☐ 2 DOUBLE WALL ☒ 95 UNKNOWN		☐ 2 DOUBLE WALL ☐ 99 OTHER	
MANUFACTURER 461		MANUFACTURER 463	
☒ 1 BARE STEEL ☐ 6 FRP COMPATIBLE w/100% METHANOL		☐ 1 BARE STEEL ☐ 6 FRP COMPATIBLE w/100% METHANOL	
☐ 2 STAINLESS STEEL ☐ 7 GALVANIZED STEEL ☐ Unknown		☐ 2 STAINLESS STEEL ☐ 7 GALVANIZED STEEL	
☐ 3 PLASTIC COMPATIBLE W/ CONTENTS ☐ 99 Other		☐ 3 PLASTIC COMPATIBLE W/ CONTENTS ☐ 8 FLEXIBLE (HDPE) ☐ 99 OTHER	
☐ 4 FIBERGLASS ☐ 8 FLEXIBLE (HDPE)		☐ 4 FIBERGLASS ☐ 9 CATHODIC PROTECTION	
☐ 5 STEEL W/COATING ☐ 9 CATHODIC PROTECTION 464		☐ 5 STEEL W/COATING ☐ 95 UNKNOWN 465	

VII. PIPING LEAK DETECTION (Check all that apply) (A description of the monitoring program shall be submitted to the local agency.)

UNDERGROUND PIPING

SINGLE WALL PIPING 466

PRESSURIZED PIPING (Check all that apply): Unknown

- ☐ 1 ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS
- ☐ 2 MONTHLY 0.2 GPH TEST
- ☐ 3 ANNUAL INTEGRITY TEST (0.1GPH)

CONVENTIONAL SUCTION SYSTEMS

- ☐ 5 DAILY VISUAL MONITORING OF PUMPING SYSTEM + TRIENNIAL PIPING INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALUES IN BELOW GROUNDPIPING):

- ☐ 7 SELF MONITORING

GRAVITY FLOW

- ☐ 9 BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply):

- ☐ 10 CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c NO AUTO PUMP SHUT OFF
- ☐ 11 AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITH FLOW SHUT OFF OR RESTRICTION
- ☐ 12 ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

- ☐ 13 CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

- ☐ 14 CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS
- ☐ 15 AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST) WITHOUT FLOW SHUT OFF OR RESTRICTION
- ☐ 16 ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 17 DAILY VISUAL CHECK

ABOVEGROUND PIPING

SINGLE WALL PIPING 467

PRESSURIZED PIPING (Check all that apply)

- ☐ 1 ELECTRONIC LINE LEAK DETECTOR 3.0 GPH TEST WITH AUTO PUMP SHUT OFF FOR LEAK, SYSTEM FAILURE, AND SYSTEM DISCONNECTION + AUDIBLE AND VISUAL ALARMS
- ☐ 2 MONTHLY 0.2 GPH TEST
- ☐ 3 ANNUAL INTEGRITY TEST (0.1GPH)
- ☐ 4 DAILY VISUAL CHECK

CONVENTIONAL SUCTION SYSTEMS (Check all that apply)

- ☐ 5 DAILY VISUAL MONITORING OF PIPING AND PUMPING SYSTEM
- ☐ 6 TRIENNIAL INTEGRITY TEST (0.1 GPH)

SAFE SUCTION SYSTEMS (NO VALVES IN BELOW GROUND PIPING)

- ☐ 7 SELF MONITORING

GRAVITY FLOW (Check all that apply)

- ☐ 8 DAILY VISUAL MONITORING
- ☐ 9 BIENNIAL INTEGRITY TEST (0.1 GPH)

SECONDARILY CONTAINED PIPING

PRESSURIZED PIPING (Check all that apply)

- ☐ 10 CONTINUOUS TURBINE SUMP SENSOR WITH AUDIBLE AND VISUAL ALARMS AND (Check one)
  - ☐ a AUTO PUMP SHUT OFF WHEN A LEAK OCCURS
  - ☐ b AUTO PUMP SHUT OFF FOR LEAKS, SYSTEM FAILURE AND SYSTEM DISCONNECTION
  - ☐ c NO AUTO PUMP SHUT OFF
- ☐ 11 AUTOMATIC LEAK DETECTOR
- ☐ 12 ANNUAL INTEGRITY TEST (0.1 GPH)

SUCTION/GRAVITY SYSTEM

- ☐ 13 CONTINUOUS SUMP SENSOR + AUDIBLE AND VISUAL ALARMS

EMERGENCY GENERATORS ONLY (Check all that apply)

- ☐ 14 CONTINUOUS SUMP SENSOR WITHOUT AUTO PUMP SHUT OFF + AUDIBLE AND VISUAL ALARMS
- ☐ 15 AUTOMATIC LINE LEAK DETECTOR (3.0 GPH TEST)
- ☐ 16 ANNUAL INTEGRITY TEST (0.1 GPH)
- ☐ 17 DAILY VISUAL CHECK

VIII. DISPENSER CONTAINMENT

DISPENSER CONTAINMENT

DATE INSTALLED 468
Unknown

- ☐ 1 FLOAT MECHANISM THAT SHUTS OFF SHEAR VALVE
- ☐ 2 CONTINUOUS DISPENSER PAN SENSOR + AUDIBLE AND VISUAL ALARMS
- ☐ 3 CONTINUOUS DISPENSER PAN SENSOR WITH AUTO SHUT OFF FOR DISPENSER + AUDIBLE AND VISUAL ALARMS
- ☐ 4 DAILY VISUAL CHECK
- ☐ 5 TRENCH LINER / MONITORING
- ☒ 6 NONE 469

IX. OWNER/OPERATOR SIGNATURE

I certify that the information provided herein is true and accurate to the best of my knowledge

SIGNATURE OF OWNER/OPERATOR: Diana Inguanzo for Elaine Kirk
DATE: 4-29-02 470

NAME OF OWNER/OPERATOR (print): Elaine Kirk
TITLE OF OWNER/OPERATOR: Manager for Property Owner 472

Permit Number (For local use only) 473 | Permit Approved (For local use only) | Permit Expiration Date (For local use only) 474

TABLE #2

RECOMMENDED MINIMUM VERIFICATION ANALYSES FOR UNDERGROUND TANK LEAKS

HYDROCARBON LEAK	SOIL ANALYSIS	WATER ANALYSIS
Unknown Fuel	TPH G GCFID(5030) TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) TPH D GCFID(3510) BTX&E 602, 624 or 8260
Leaded Gas	TPH G GCFID(5030) BTX&E 8020 OR 8240 TPH AND BTX&E 8260 TOTAL LEAD AA ------Optional------- TEL DHS-LUFT EDB DHS-AB1803	TPH G GCFID(5030) BTX&E 602 or 624 TOTAL LEAD AA TEL DHS-LUFT EDB DHS-AB1803
Unleaded Gas	TPH G GCFID(5030) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH G GCFID(5030) BTX&E 602, 624 or 8260
Diesel, Jet Fuel and Kerosene	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Fuel/Heating Oil	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602, 624 or 8260
Chlorinated Solvents	CL HC 8010 or 8240 BTX&E 8020 or 8240 CL HC AND BTX&E 8260	CL HC 601 or 624 BTX&E 602 or 624 CL HC AND BTX&E 8260
Non-chlorinated Solvents	TPH D GCFID(3550) BTX&E 8020 or 8240 TPH AND BTX&E 8260	TPH D GCFID(3510) BTX&E 602 or 624 TPH and BTX&E 8260
Waste and Used Oil or Unknown (All analyses must be completed and submitted)	TPH G GCFID(5030) TPH D GCFID(3550) TPH AND BTX&E 8260 O & G 5520 D & F BTX&E 8020 or 8240 CL HC 8010 or 8240 ICAP or AA TO DETECT METALS: Cd, Cr, Pb, Zn, Ni METHOD 8270 FOR SOIL OR WATER TO DETECT: PCB* PCP* PNA CREOSOTE	TPH G GCFID(5030) TPH D GCFID(3510 O & G 5520 C & F BTX&E 602, 624 or 8260 CL HC 601 or 624 PCB PCP PNA CREOSOTE

* If found, analyze for dibenzofurans (PCBs) or dioxins (PCP)

Reference: Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Tank Sites, 10 August 1990

UNIFIED PROGRAM CONSOLIDATED FORM

HAZARDOUS WASTE

HAZARDOUS WASTE TANK CLOSURE CERTIFICATION

I. FACILITY IDENTIFICATION

BUSINESS NAME (Same as FACILITY NAME or DBA - Doing Business As) 3
MAZ

FACILITY ID # CAC002551361 1

TANK OWNER NAME 740
San Pablo Avenue Venture

TANK OWNER ADDRESS 741
555 Montgomery Street #1205

TANK OWNER CITY San Francisco 742 | STATE CA 743 | ZIP CODE 94111 744

II. TANK CLOSURE INFORMATION

TANK INTERIOR ATMOSPHERE READINGS	Tank ID # (Attach additional copies of this page for more than three tanks)		Concentration of Flammable Vapor			Concentration of Oxygen		
			Top	Center	Bottom	Top	Center	Bottom
1	1 745		0 746a	0 746b	0 746c	19.5 747a	19.5 747b	19.5 747c
2	2 748		0 749a	0 749b	0 749c	19.5 750a	19.5 750b	19.5 750c
3	751		752a	752b	752c	753a	753b	753c

III. CERTIFICATION

On examination of the tank, I certify the tank is visually free from product, sludge, scale (thin, flaky residual of tank contents), rinseate and debris. I further certify that the information provided herein is true and accurate to the best of my knowledge.

SIGNATURE OF CERTIFIER

NAME OF CERTIFIER (Print) 754
Frank Hamedi-Fard

TITLE OF CERTIFIER 755
General Manager

ADDRESS 756
1093 Petroni Way

CITY 757
San Jose, CA 95120

PHONE 758
408-292-2090

DATE 759
5/02/02

CERTIFICATION TIME
11:00 AM

STATUS OR AFFILIATION OF CERTIFYING PERSON

Certifier is a representative of the CUPA, authorized agency, or LIA 760
☐ Yes ☐ No

Name of CUPA, authorized agency, or LIA: 761

If certifier is other than CUPA / LIA check appropriate box below: 762

☐ a. Certified Industrial Hygienist (CIH)
☐ b. Certified Safety Professional (CSP)
☐ c. Certified Marine Chemist (CMC)
☐ d. Registered Environmental Health Specialist (REHS)
☐ e. Professional Engineer (PE)
☐ f. Class II Registered Environmental Assessor
☒ g. Contractors' State License Board licensed contractor (with hazardous substance removal certification)

TANK PREVIOUSLY HELD FLAMMABLE OR COMBUSTIBLE MATERIALS 763

(If yes, the tank interior atmosphere shall be re-checked with a combustible gas indicator prior to work being conducted on the tank.) ☐ Yes ☒ No

CERTIFIER'S TANK MANAGEMENT INSTRUCTIONS FOR SCRAP DEALER, DISPOSAL FACILITY, ETC: 764

Schnitzer Steel Products - Oakland

A copy of this certificate shall accompany the tank to the recycling / disposal facility and be provided to the CUPA. If there is no CUPA, copies shall be submitted to the LIA and authorized agency; owner / operator of the tank system; removal contractor; and the recycling / disposal facility.

File No. TR198

HEALTH AND SAFETY PLAN
FOR THE PROPERTY
LOCATED AT 3800 SAN PABLO AVENUE
EMERYVILLE, CALIFORIA

GENERAL:

This Health and Safety Plan (HSP) contains the minimum requirements for tank removal activities at the subject site. The field activities for tank removal include: removal of product, excavation, product lines, triple washing the tank(s), sampling rinsate, removing rinsate with vactruck, removing the tank(s) and proper disposal. All personnel and contractors will be required to strictly adhere to these HSP requirements.

The objective of the HSP plan is to describe procedures and actions to protect the worker, as well as unauthorized person, from inhalation and ingestion of, and direct skin contact with potentially hazardous materials that may be encountered at the site. The plan described (1) personnel responsibilities and (2) protective equipment to be used as deemed necessary when working on the site. At a minimum, all personnel working at the site must read and understand the requirements of this HSP. A copy of this HSP will be on-site, easily accessible to all staff and government field representatives.

PERSONNEL RESPONSIBILITIES:

The key personnel directly involved in the investigation will be responsible for monitoring the implementation of safe work practices and the provisions of this plan are (1) Alpha Geo Services (AGS) supervisor and (2) Enviro Soil Tech Consultants project manager. These personnel are responsible for knowing the provisions of the plan, communicating plan requirements to workers under their supervision and regulatory agencies inspectors and for enforcing the plan.

The personnel-protective equipment will be selected to prevent field personnel from exposure to fuel hydrocarbons that may be present at the site. To prevent direct skin contact, the following protective clothing will be worn as appropriate while working at the site:

1. Tyvek coveralls.
2. Butyl rubber or disposable vinyl gloves.
3. Hard hat with optional face shield.
4. Steel toe boots.
5. Goggles or safety glasses.

The type of gloves used with the determined by the type of work being performed. Excavation and tank removal personnel will be required to wear butyl rubber gloves because they may have long duration contact with the subsurface materials. The triple washing (decontaminated) and vactruck crews shall wear butyl rubber gloves as they may have long duration contact with the rinsate. Enviro Soil Tech Consultants' sampling staff will wear disposable gloves when handling any sample. These gloves will be changed between each sample.

Tank removal personnel will be required to wear hard hats, and when appropriate, wear a protective face shield.

Personnel protective equipment shall be put on before entering the immediate work area. The sleeves of the overalls shall be outside of the cuffs of the gloves to facilitate removal of clothing with least potential contamination of personnel. If at any time protective clothing (coveralls, boots or gloves) become torn, wet or excessively soiled, it will be replaced immediately.

Total organic vapors will be monitored at the site with a portable PID and portable LEL meter. Should the total organic vapor content approach that of the threshold limit valve (TLV) for any of the substances listed in Table 1, appropriate safety measures will be implemented under the supervision of the site project engineer. These precautions include, but are not limited to, the following: (1) Donning of respirators (with appropriate cartridges) by site personnel, (2) forced ventilation of the site, (3) shutdown of work until such time as appropriate safety measures sufficient to insure the health and safety of site personnel can be implemented.

TABLE 1
THRESHOLD LIMIT VALUES
FOR
COMMON GASOLINE CONSTITUENTS

Benzene	10 ppm
Toluene	100 ppm
Ethylbenzene	100 ppm
Total Xylenes	100 ppm

No eating, drinking or smoking will be allowed in the vicinity of the tank removal operations. AGS will designate a separate area on-site for eating and drinking. Smoking will not be allowed at the vicinity of the site except in designated areas. No contact lenses will be worn by field personnel.

WORK ZONES AND SECURITY MEASURES:

The project engineer will call Underground Service Alert (USA), and the utilities will be marked before any excavation is conducted on-site, and excavation will be at a safe distance from the utilities. The client will also be advised to have a representative on-site to advise us in selecting locations of piping trenches with respect to utilities, underground or above ground structures. AGS assumes no responsibility for utilities not so located. The excavation will be had dug or by using small power tools. Each of the areas where the tank or piping will be excavated will be designated as exclusion zones. Only essential personnel will be allowed into an exclusion zone. When it is practical and local topography allows, approximately 25 to 75 feet of space surrounding those exclusion zones will be designated as contamination reduction zones.

Cones, wooden barricades or a suitable alternative will be used to deny public access to these contamination reduction zones excavation area. The general public will not be allowed close to the work area under any conditions. If for any reason the safety of any member of the tank removal team or the public (e.g. motorists or pedestrians) may be endangered, work will cease until the situation is remedied. Cones and working signs will be used when necessary to redirect motorists or pedestrians.

LOCATION & PHONE NUMBERS OF EMERGENCY FACILITIES:

The fire department and hospital addresses and phone numbers are listed below:

City of Emeryville Fire Department	911
Kaiser Foundation Hospital 280 W. MaCarthur Blvd., Oakland, CA	(510) 596-1000

ADDITIONAL CONTINGENCY TELEPHONE NUMBERS:

Poison Control Center.....**(800) 523-2222**

CHEMTREC.....**(800) 424-9300**

Enviro Soil Tech Consultants.....**(408) 297-1500**

NOTE:

Only call CHEMTREC which stands for Chemical Transportation Emergency Center, a public service of the Chemical Manufacture's Association. CHEMTREC can usually provide hazard information, warnings and guidance when given the identification number or the name of the product and the nature of the problem. CHEMTREC can also contact the appropriate experts.

Sacramento, Califor

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC002551361 — Manifest Document No. — 2. Page 1 of 1 — Information in the shaded ore is not required by Federal law

3. Generator's Name and Mailing Address: San Pablo Avenue Venture, 555 Montgomery St #1205, San Francisco CA 94111

4. Generator's Phone (415) 392-3558

A. State Manifest Document Number: 212418

B. State Generator's ID:

5. Transporter 1 Company Name: Artesian Oil Recovery, Inc. — 6. US EPA ID Number: CAL000233905

C. State Transporter's ID [Reserved.]: CAL000233905

D. Transporter's Phone: (510)839-4234

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID [Reserved.]

F. Transporter's Phone

9. Designated Facility Name and Site Address: Artesian Oil Recovery, 2306 Magnolia St., Oakland, CA 94607 — 10. US EPA ID Number: CAL000233905

G. State Facility's ID: CAL000233905

H. Facility's Phone: (510)839-4234

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non RCRA Hazardous Waste, Liquid (Oil & Water)	001	T	00750	G	State 221 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above: Used Oil, Mixed Oil

K. Handling Codes for Wastes Listed Above: c. — d.

15. Special Handling Instructions and Additional Information
Emergency Phone# 510-839-4234
ERG# 171
Wear Protective Gear

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economical practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human healt and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that available to me and that I can afford.

GENERATOR — Printed/Typed Name: ELAINE KIRK — Signature: Elaine Kirk — Month 04 Day 25 Y

TRANSPORTER — 17. Transporter 1 Acknowledgement of Receipt of Materials — Printed/Typed Name: Randy Skaggs — Signature: Randy Skaggs — Month 04 Day 25 Y

TRANSPORTER — 18. Transporter 2 Acknowledgement of Receipt of Materials — Printed/Typed Name — Signature — Month — Day — Y

FACILITY — 19. Discrepancy Indication Space

FACILITY — 20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. — Printed/Typed Name — Signature — Month — Day — Y

DO NOT WRITE BELOW THIS LINE.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

212418 94

DTSC 8022A (1/99)
EPA 8700—22

Blue: GENERATOR SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 400, Sacramento, CA 95812-0400

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. *Form designed for use on elite (12-pitch) typewriter.*

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAC002515136 | Manifest Document No. 53393 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
San Pablo Ave Venture
555 Montgomery St #1205 San Francisco Ca. 94111

4. Generator's Phone (415) 392-3558

A. State Manifest Document Number: 20553393

B. State Generator's ID:

5. Transporter 1 Company Name: ASBURY ENVIRONMENTAL SERVICES

6. US EPA ID Number: CAD028277036

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: (310)886-3400

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID [Reserved.]

F. Transporter's Phone:

9. Designated Facility Name and Site Address
ARTESIAN OIL RECOVERY, INC.
2306 MAGNOLIA STREET, OAKLAND, CA 94607

10. US EPA ID Number: CAL000161741
CAC000239615

G. State Facility's ID:

H. Facility's Phone: (510)839-4234

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA HAZARDOUS WASTE, LIQUID [WATER, OIL] "No Placards Required"	001	TT	02215	G	State 221 EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above
WASTE OIL 1.5 %
WATER 98.99 %

K. Handling Codes for Wastes Listed Above
a. b.
c. d. 005078

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES
NOERS# 171

EMERGENCY CONTACT: MEL HARPER (310) 466-5010

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Frank Hamidi		05	02	02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Jim Patterson		05	02	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Yellow. GENERATOR RETAINS

GENERATOR

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

Weighed at: ***SCHNITZER STEEL PRODUCTS - OAKLAND*** CHECK# 125598

999 : ENVIRO SOIL TECH WEIGHED OUT: 14:12 05/02/02

DATE	COMMODITY	NET WEIGHT	PRICE	AMOUNT
02 MAY 02	103-00 Unp. HMS	340.0 LB	$35.00/NT	$5.95
Total Wt-	Gross: 8260.0 lbs Tare: 7920.0 lbs Net: 340.0 lbs			

LIC#
Vehicle-6R20054
Driver -E0435325
Trailer-

CHECK TOTAL: $5.95

858153

CITY OF EMERYVILLE
FIRE DEPARTMENT
~~6303 HOLLIS STREET~~ 2333 Powell St.
EMERYVILLE, CA., 94608
(510) 596-3750

FIRE DEPARTMENT USE ONLY

FPB-3800SP-602
(PERMIT NUMBER)

APPLICATION AND PERMIT

Application Received :
Date: 6/1/02 Signed: GW

Permit Issued :
Date: 6/1/02 Signed: GW

THIS APPLICATION IS YOUR PERMIT WHEN PROPERLY FILLED OUT, SIGNED, VALIDATED AND FEES PAID.

ADDRESS: ~~6303~~ 2333 San Pablo Ave Emery

BUSINESS NAME : MAZ

CONTACT PERSON : Frank Hambri

TELEPHONE NUMBER : ( ) 247-1500

EFD Permit Type(s) :
(see reverse) 105.8, f.3, #6

Expiration Date :

TOTAL FEES DUE: ~~$~~ $252.00

MAKE CHECK PAYABLE TO THE CITY OF EMERYVILLE.

FEES ARE ESTABLISHED THRU THE CITY OF EMERYVILLE MASTER FEE SCHEDULE, ADOPTED JUNE 1, 1993. COPY AVAILABLE ON REQUEST.

DESCRIPTION OF OPERATION :
Removal of 2x 550-gal. tanks.

APPLICANT READ AND SIGN BELOW:

I CERTIFY THAT I HAVE READ THIS APPLICATION AND STATE THAT THE INFORMATION GIVEN IS TRUE AND CORRECT. I AGREE TO COMPLY WITH ALL LOCAL ORDINANCES AND STATE LAWS THAT RELATE TO THIS PERMIT. I HEREBY AUTHORIZE REPRESENTATIVES OF THE CITY TO ENTER UPON THE ABOVE MENTIONED PROPERTY TO VERIFY COMPLIANCE WITH THE CONDITIONS OF THIS PERMIT, AT ANY REASONABLE TIME.

☐ Building Owner : MARK'S MANAGEMENT
☐ Business Operator :
Date of Application : 5/1-2002

Occupancy Group/Division :
(per UBC Table 5A)

OCCUPANCY TYPE :

Commercial	☒	Assembly	☐
Industrial	☐	Educational	☐
Residential	☐	H-class	☐

Other ☐ Specify : _____

THIS PERMIT MUST BE AVAILABLE FOR INSPECTION AT ALL TIMES

REVOCATION OF PERMIT

THE CHIEF IS AUTHORIZED TO SUSPEND/REVOKE A PERMIT WHEN THE CHIEF HAS DETERMINED THAT SECTION 4.107, 1991 UFC HAS BEEN VIOLATED.

POSTING OF PERMIT

PERMIT(S) SHALL BE KEPT ON THE PREMISES DESIGNATED AT ALL TIMES AND SHALL BE AVAILABLE FOR INSPECTION AT ANY TIME BY ANY PERSON(S) WHO ARE AUTHORIZED BY THE CHIEF OF THE EMERYVILLE FIRE DEPARTMENT.

DATE	INSPECTION NOTES/COMMENTS	INSPECTOR
6/1/02	Application filled out	GW
	County Clearance Plan dated 4/29/02	
	& Robert Weston	
6/1/02	Permit Issued. Fees paid to Finance	GW
	& removal scheduled for 6/2, 10 AM.	

White: Applicant Yellow: EFD Pink: Finance