BLYMYER
ENGINEERS, INC.

BEI

ALCO HAZMAT 94 JUL 21 PM 1:01

June 16, 1994
BEI Job No. 88288

Mr. Larry Seto
Alameda County Health Care Services Agency
Division of Hazardous Materials
Department of Environmental Health
80 Swan Way, Room 200
Oakland, CA 94621

Subject: GI Trucking Company
1750 Adams Avenue, San Leandro, CA
Second Quarter 1994 Groundwater Monitoring and Sampling

Dear Mr. Seto:

This letter documents the quarterly groundwater sampling for the second quarter of the sixth year of quarterly groundwater sampling at the subject facility located in San Leandro, California (Figure 1).

Four of the five existing groundwater monitoring wells (MW-2 through MW-5, Figure 2) were sampled on May 11, 1994. Monitoring well MW-1 contained an EZ Skimmer which is used to recover free product in the well, as part of the interim remedial efforts at the site. Consequently, a groundwater sample was not collected from monitoring well MW-1.

Three well casing volumes of water were removed from each of the four wells prior to sampling. A representative groundwater sample was collected from each well using a Teflon® bailer and placed in 1-liter amber bottles without a preservative and 40-milliliter vials containing hydrochloric acid as a preservative which were provided by the laboratory. The Well Purging and Sampling Data forms for all wells are attached. The groundwater samples were placed in a cooler with blue ice and delivered via courier to NET Pacific, Inc., a California-certified laboratory.

The groundwater samples were analyzed for Total Petroleum Hydrocarbons (TPH) as diesel by modified EPA Method 8015 and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020. As indicated in the enclosed analytical report, TPH as diesel was detected only in the groundwater sample collected from monitoring well MW-3 (Table I). TPH as diesel has not been detected in any groundwater samples from monitoring wells MW-2, MW-4, and MW-5. BTEX was not detected in any of the groundwater samples (Table II). This is the fourth time groundwater samples have been analyzed for BTEX.

(510) 521-3773 • 1829 Clement Avenue, Alameda, California 94501-1395 • FAX (510) 865-2594

Mr. Larry Seto
Alameda County Health Care Services Agency

June 16, 1994
BEI Job No. 88288

TPH as diesel was first detected in a groundwater sample from well MW-3 collected in February 1990. Except for the December 1990 and December 1992 sampling events, TPH as diesel has been detected in all groundwater samples from this well since February 1990, at concentrations ranging from 0.19 milligrams/liter (mg/L) to 1.6 mg/L. TPH as diesel was detected at 0.58 mg/L in well MW-3 during this sampling event. The groundwater flow direction has consistently been toward the south to southeast at this site (Figure 2). Depth to groundwater measurements are included in Table III.

Monitoring well MW-1 has consistently contained a free product layer. An EZ Skimmer was installed on October 27, 1993. The skimmer is on a monthly operation and maintenance schedule, overseen by on-site personnel. Table IV contains a summary of the amount of free product recovered to date.

The well head box on monitoring well MW-3 was raised and the PVC casing for the well was lowered after indications of traffic compression in the expansion plug were detected recently. The well was resurveyed to the existing arbitrary datum established at the site.

If you have any questions, please call us at (510) 521-3773.

Cordially,

Blymyer Engineers, Inc.

By: _____
Mark E. Detterman, C.E.G. 1788
Senior Geologist

And: _____
John Morrison, R.G. 5773
Director, Earth Sciences

V.P. - Environmental Services

Mr. Larry Seto
Alameda County Health Care Services Agency

June 16, 1994
BEI Job No. 88288

Attachments:
- Table I: Summary of Groundwater Sample Analytical Results; Total Petroleum Hydrocarbons as Diesel
- Table II: Summary of Groundwater Sample Analytical Results; Benzene, Toluene, Ethylbenzene, and Total Xylenes
- Table III: Groundwater Elevation Measurements
- Table IV: Free Product Recovery From Monitoring Well MW-1

- Figure 1: Site Location Map
- Figure 2: Site Plan and Groundwater Contour Map, 5/11/94

Well Purging and Sampling Data Forms
Laboratory Analytical Report, NET Pacific, Inc., dated May 24, 1994

cc: Mr. Eddy So, RWQCB
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. Wade Stroupe, Jr., Carolina Freight Carriers Corporation
Mr. Bob Hogencamp, GI Trucking Company
Mr. Tom McGuire, GI Trucking Company

md\88288\88288Q2.94

Table I, Summary of Groundwater Sample Analytical Results
Total Petroleum Hydrocarbons as Diesel,
Modified EPA Method 8015 (milligrams per liter)
BEI Job No. 88288,
GI Trucking Company
1750 Adams Avenue, San Leandro, California

Date of Sampling	MW-1	MW-2	MW-3	MW-4	MW-5
November 15, 1988	0.22 feet product	<0.20	<0.20	<0.20	<0.20
February 16, 1989	0.20 feet product	<0.09	<0.09	<0.09	<0.09
May 19, 1989	0.20 feet free product	<0.08	<0.08	<0.08	<0.08
August 22, 1989	0.18 feet free product	<0.03	<0.03	<0.03	<0.03
November 21, 1989	product sheen	<0.03	<0.03	<0.03	<0.03
February 23, 1990	product sheen	<0.05	0.34	<0.05	<0.05
May 23, 1990	0.15 feet free product	<0.05	0.64	<0.05	<0.05
August 27, 1990	product sheen	<0.05	0.41	<0.05	<0.05
December 3, 1990	product sheen	<0.05	<0.05	<0.05	<0.05
March 13, 1991	product sheen	<0.05	1.3	<0.05	<0.05
May 29, 1991	product sheen	<0.05	0.54	<0.05	<0.05
August 28, 1991	0.09 feet free product	<0.05	0.24	<0.05	<0.05
December 9, 1991	0.20 feet free product	<0.05	0.20	<0.05	<0.05
February 18, 1992	0.09 feet free product	<0.05	0.89	<0.05	<0.05
May 15, 1992	0.17 feet free product	<0.05	0.38	<0.05	<0.05
August 13, 1992	0.19 feet free product	<0.05	0.20	<0.05	<0.05
December 3, 1992	0.10 feet free product	<0.05	<0.05	<0.05	<0.05
March 25, 1993	product sheen	<0.05	1.6	<0.05	<0.05
May 21, 1993	0.09 feet free product	<0.05	0.72	<0.05	<0.05
August 17, 1993	0.13 feet free product	<0.05	0.48	<0.05	<0.05
December 13, 1993	free product	<0.05	0.19	<0.05	<0.05
February 24, 1994	free product	<0.05	0.38	<0.05	<0.05
May 11, 1994	heavy sheen	<0.05	0.58	<0.05	<0.05

< x = Detected at less than the indicated detection limit of x.

Table II, Summary of Groundwater Sample Analytical Results
Benzene, Toluene, Ethylbenzene, and Total Xylenes
Modified EPA Method 8020 (micrograms per liter)
BEI Job No. 88288,
GI Trucking Company
1750 Adams Avenue, San Leandro, California

Date of Sampling	MW-1	MW-2	MW-3	MW-4	MW-5
November 15, 1988 through May 21, 1993	Not Analyzed				
August 17, 1993	0.13 feet free product	<0.5	<0.5	<0.5	<0.5
December 13, 1993	free product recovery	<0.5	<0.5	<0.5	<0.5
February 24, 1994	free product recovery	<0.5	<0.5	<0.5	<0.5
May 11, 1994	free product recovery	<0.5	<0.5	<0.5	<0.5

< = Detected at less than the indicated detection limit of x.

Table III, Groundwater Elevation Measurements
BEI Job No. 88288,
GI Trucking Company
1750 Adams Avenue, San Leandro, California

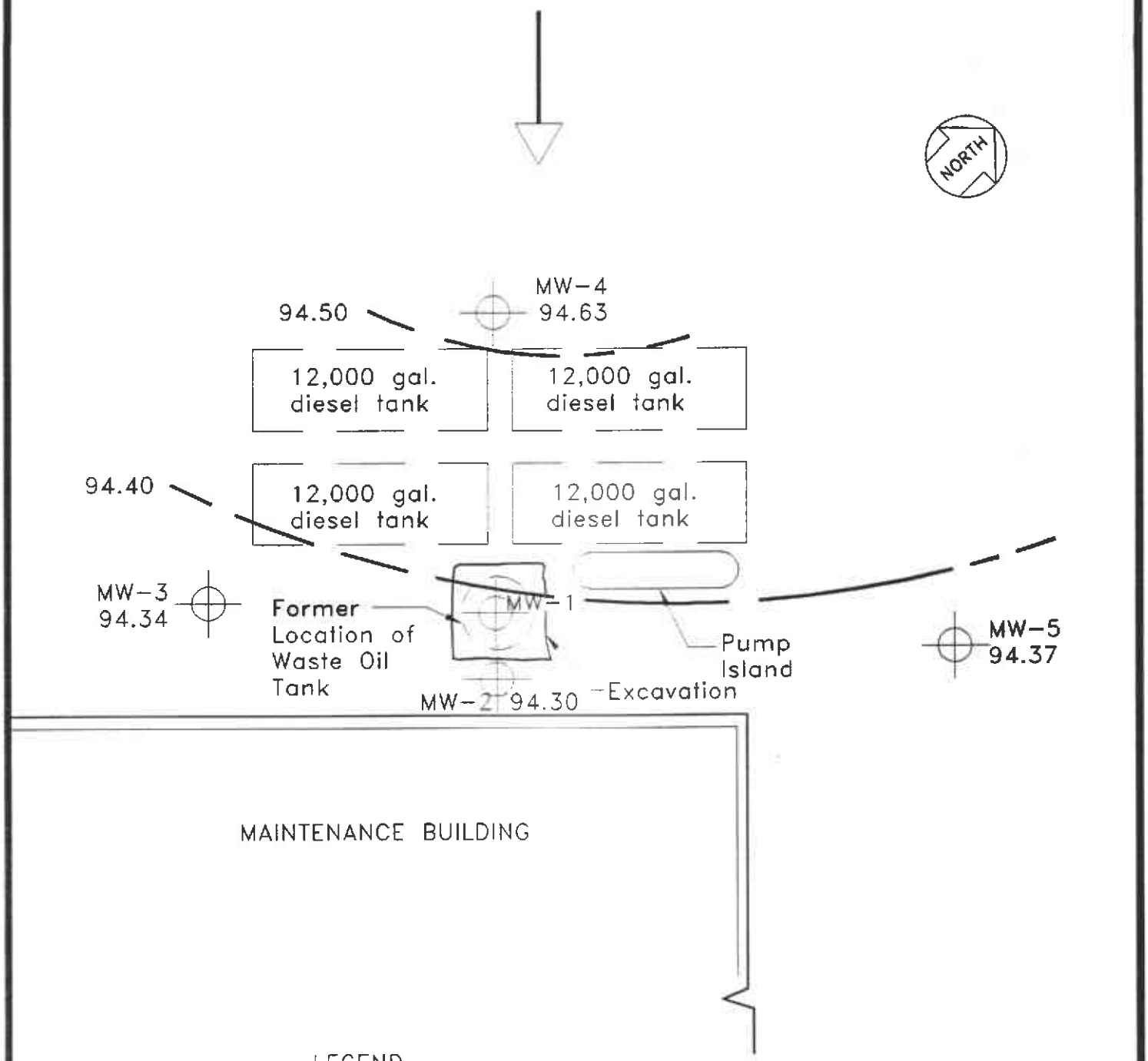
Date Measured	MW-1 TOC Elevation 100.00*		MW-2 TOC Elevation 100.24*		MW-3 TOC Elevation 100.22* TOC Elevation 100.18**		MW-4 TOC Elevation 99.48*		MW-5 TOC Elevation 99.60*	
	Depth to Water/ Free Product	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation
November 15, 1988	No Measurements Recorded									
February 16, 1989	6.03/5.83	NA	6.13	94.11	6.00	94.22	5.92	93.56	5.42	94.18
May 19, 1989	6.31/6.11	NA	6.24	94.00	6.20	94.02	5.25	94.23	5.53	94.07
August 22, 1989	6.72/6.54	NA	6.68	93.56	6.60	93.62	6.76	92.72	5.94	93.66
November 21, 1989	6.51	93.49	6.64	93.60	6.55	93.67	5.72	93.76	5.91	93.69
February 23, 1990	5.74	94.26	6.04	94.20	5.83	94.39	4.92	94.56	5.69	93.91
May 23, 1990	6.34/6.19	NA	6.40	93.84	6.38	93.84	5.39	94.09	5.92	93.68
August 27, 1990	6.27	93.73	6.70	93.54	6.67	93.55	5.66	93.82	6.17	93.43
December 3, 1990	6.49	93.51	6.83	93.41	6.75	93.47	5.95	93.53	6.05	93.55
March 13, 1991	4.94	95.06	5.64	94.60	5.42	94.80	4.39	95.09	5.01	94.59
May 29, 1991	9.46	90.54	6.31	93.93	6.28	93.94	5.27	94.21	5.57	94.03
August 28, 1991	6.31/6.22	NA	6.68	93.56	6.62	93.60	5.70	93.78	5.90	93.7
December 9, 1991	6.49/6.29	NA	6.69	93.55	6.65	93.57	5.78	93.78	5.99	93.61
February 18, 1992	4.19/4.09	NA	4.96	95.28	4.73	95.49	3.60	95.88	4.45	95.15
May 15, 1992	5.72/5.55	NA	6.07	94.17	5.99	94.23	5.03	94.45	5.33	94.27
August 13, 1992	6.12/5.93	NA	6.42	93.82	6.32	93.90	5.40	94.08	5.62	93.98
December 3, 1992	5.65/5.55	NA	6.25	93.99	6.23	93.99	5.14	94.34	5.58	94.02
March 25, 1993	4.60	95.40	5.40	94.84	5.27	94.95	4.14	95.34	4.34	95.26
May 21, 1993	5.56/5.47	NA	6.04	94.20	5.97	94.25	4.95	94.53	5.28	94.32
August 17, 1993	6.07/5.94	NA	6.42	93.82	6.59	93.63	5.40	94.08	5.61	93.99
December 13, 1993	--	NA	6.09	94.15	6.33	93.89	5.08	94.40	5.38	94.22
February 24, 1994	--	NA	5.57	94.67	5.76	94.46	4.38	95.10	4.90	94.70
May 11, 1994	5.20	94.80	5.94	94.30	5.84	94.34	4.85	94.63	5.23	94.37

TOC = Top of Casing Elevation; * = Based on an Arbitrary Datum; NA = Not Applicable; -- = Not Available Due to Free Product Recovery ** = Resurveyed elevation, May 11, 1994

Table IV, Free Product Recovery From Monitoring Well MW-1 BEI Job No. 88288, GI Trucking Company 1750 Adams Avenue, San Leandro, California	
Date	Volume Recovery
November 1993	0.125 Gallons
December 1993	0.25 Gallons
January 1994	0.05 Gallons
February 1994	<0.05 Gallons
March 1994	<0.05 Gallons
April 1994	<0.05 Gallons
May 1994	<0.05 Gallons

SOURCE: UNITED STATES GEOGRAPHICAL SURVEY 7.5' QUAD. "SAN LEANDRO, CA" PHOTOREVISED 1980.

BLYMYER ENGINEERS, INC.	0 1000 2000 SCALE IN FEET	N	SITE LOCATION MAP GI TRUCKING 1750 ADAMS AVE. SAN LEANDRO, CA	FIGURE 1
BEI JOB NO. 88288	DATE 1/26/94			



LEGEND

- GROUNDWATER MONITORING WELL
- UNDERGROUND FUEL STORAGE TANK
- 94.-- GROUNDWATER ELEVATION
- GROUNDWATER FLOW DIRECTION (5/11/94)

0 20

SCALE IN FEET

REV	DESCRIPTION	DATE	BY

BLYMYER ENGINEERS, INC
ALAMEDA, CALIFORNIA

SCALE SHOWN	FOR GI TRUCKING 1750 ADAMS AVE. SAN LEANDRO, CA
DRN DATE LW 6/94	
APPROVED	TITLE SITE PLAN
JOB 88288	DWG. NO. FIGURE 2

Well Purging and Sampling Data

Date	5/11/94	Project Number	88288	Project Name	GI Trucking
Well Number	MW-1	Boring Diameter	N/A	Casing Diameter	12"

Column of Liquid in Well		Volume to be Removed	
Depth to product	N/A	Gallons per foot of casing	= N/A
Depth to water	5.20 ft.	Column of water	x N/A
Total depth of well	N/A	Volume of casing	= N/A
Column of water	N/A	No. of volumes to remove	x N/A
		Total volume to remove	= N/A

Method of measuring liquid	Oil/water interface probe
Method of purging well	N/A
Method of decontamination	Methanol, Liqui-nox and distilled water

Physical appearance of water (clarity, color, particulates, odor)	
Initial	N/A
During	N/A
Final	N/A

Field Analysis	Initial	During		Final
Time	N/A	N/A	N/A	N/A
Temperature (F)				
Conductivity (us/cm)				
pH				
Method of measurement	N/A			
Total volume purged	N/A			
Comments	Measure free product layer only. Layer thickness < 0.01 ft. (heavy sheen)			

Sample Number	Amount of Sample
N/A	

Signed/Sampler	Steph W Moore	Date	5/11/94
Signed/Reviewer	Mark E Dat	Date	6/8/94

Well Purging and Sampling Data

Date	5/11/94	Project Number	88288	Project Name	GI Trucking
Well Number	MW-2	Boring Diameter	N/A	Casing Diameter	2"

Column of Liquid in Well		Volume to be Removed	
Depth to product	N/A	Gallons per foot of casing	= 0.17 gal/ft.
Depth to water	5.94 ft.	Column of water	x 17.31 ft.
Total depth of well	23.25 ft.	Volume of casing	= 2.9 gal.
Column of water	17.31 ft.	No. of volumes to remove	x 3
		Total volume to remove	= 8.7 gal.

Method of measuring liquid	Oil/water interface probe
Method of purging well	Teflon bailer
Method of decontamination	Liqui-nox and distilled water

Physical appearance of water (clarity, color, particulates, odor)	
Initial	Clear, no odor
During	Silty, brown color, no odor
Final	Silty, brown color, no odor

Field Analysis	Initial	During		Final
Time	13:25	13:30	13:36	13:44
Temperature (F)	64.6	64.9	65.0	65.4
Conductivity (us/cm)	806	816	814	821
pH	8.10	7.97	7.91	7.85
Method of measurement	Hydac meter			
Total volume purged	8.75 gal.			
Comments				

Sample Number	Amount of Sample
MW-2	3-40ml VOA w/ HCl
	2-1l amber bottles

Signed/Sampler	Stephen W Moore	Date	5/11/94
Signed/Reviewer	Mark Ewing	Date	6/8/94

Well Purging and Sampling Data

Date	5/11/94	Project Number	88288	Project Name	GI Trucking
Well Number	MW-3	Boring Diameter	N/A	Casing Diameter	2"

Column of Liquid in Well		Volume to be Removed	
Depth to product	N/A	Gallons per foot of casing	= 0.17 gal/ft.
Depth to water	5.84 ft.	Column of water	x 16.91 ft.
Total depth of well	22.75 ft.	Volume of casing	= 2.9 gal.
Column of water	16.91 ft.	No. of volumes to remove	x 3
		Total volume to remove	= 8.7 gal.

Method of measuring liquid	Oil/water interface probe
Method of purging well	Teflon bailer
Method of decontamination	Liqui-nox and distilled water

Physical appearance of water (clarity, color, particulates, odor)	
Initial	Clear, no odor
During	Silty, brown color, no odor
Final	Silty, brown color, no odor

Field Analysis	Initial	During		Final
Time	14:37	14:43	14:49	14:55
Temperature (F)	67.4	66.9	66.7	66.7
Conductivity (us/cm)	802	821	942	961
pH	8.05	7.84	7.66	7.61
Method of measurement	Hydac meter			
Total volume purged	8.75 gal.			
Comments				

Sample Number	Amount of Sample
MW-3	3-40ml VOA w/ HCl
	2-1l amber bottles

Signed/Sampler	Steph W Mlen	Date	5/11/94
Signed/Reviewer	Mark E Jost	Date	6/8/94

Well Purging and Sampling Data

Date	5/11/94	Project Number	88288	Project Name	GI Trucking
Well Number	MW-4	Boring Diameter	N/A	Casing Diameter	2"

Column of Liquid in Well		Volume to be Removed	
Depth to product	N/A	Gallons per foot of casing	= 0.17 gal/ft.
Depth to water	4.85	Column of water	x 17.94 ft.
Total depth of well	22.79 ft.	Volume of casing	= 3.0 gal.
Column of water	17.94 ft.	No. of volumes to remove	x 3
		Total volume to remove	= 9.0 gal.

Method of measuring liquid	Oil/water interface probe
Method of purging well	Teflon bailer
Method of decontamination	Liqui-nox and distilled water

Physical appearance of water (clarity, color, particulates, odor)	
Initial	Clear, no odor
During	Silty, brown color, no odor
Final	Silty, brown color, no odor

Field Analysis	Initial	During		Final
Time	10:54	10:59	11:05	11:11
Temperature (F)	66.8	66.8	66.7	66.3
Conductivity (us/cm)	844	848	847	847
pH	8.30	8.00	7.86	7.78
Method of measurement	Hydac meter			
Total volume purged	9.0 gal.			
Comments				

Sample Number	Amount of Sample
MW-4	3-40ml VOA w/ HCl
	2-1l amber bottles

Signed/Sampler	Stephen W Moore	Date	5/11/94
Signed/Reviewer	Mark E Jost	Date	6/8/94

Well Purging and Sampling Data

Date	5/11/94	Project Number	88288	Project Name	GI Trucking
Well Number	MW-5	Boring Diameter	N/A	Casing Diameter	2"

Column of Liquid in Well		Volume to be Removed	
Depth to product	N/A	Gallons per foot of casing	= 0.17 gal/ft.
Depth to water	5.23 ft.	Column of water	x 17.02 ft.
Total depth of well	22.25 ft.	Volume of casing	= 2.9 ft.
Column of water	17.02 ft.	No. of volumes to remove	x 3
		Total volume to remove	= 8.7 gal.

Method of measuring liquid	Oil/water interface probe
Method of purging well	Teflon bailer
Method of decontamination	Liqui-nox and distilled water

Physical appearance of water (clarity, color, particulates, odor)	
Initial	Clear, no odor
During	Silty, brown color, no odor
Final	Silty, brown color, no odor

Field Analysis	Initial	During		Final
Time	11:59	12:03	12:09	12:17
Temperature (F)	64.1	65.0	65.9	66.0
Conductivity (us/cm)	868	892	941	962
pH	7.93	7.84	7.76	7.72
Method of measurement	Hydac meter			
Total volume purged	8.75 gal.			
Comments				

Sample Number	Amount of Sample
MW-5	3-40ml VOA w/ HCl
	2-1l amber bottles

Signed/Sampler	Steph W Moore	Date	5/11/94
Signed/Reviewer	Mark E Hyatt	Date	6/8/94

NATIONAL ENVIRONMENTAL TESTING, INC.

Santa Rosa Division
435 Tesconi Circle
Santa Rosa, CA 95401
Tel: (707) 526-7200
Fax: (707) 526-9623

Mark Detterman
Carolina Freight Carriers
c/o Blymyer Engineers, Inc
1829 Clement Ave.
Alameda, CA 94501

Date: 05/24/1994
NET Client Acct. No: 61900
NET Pacific Job No: 94.02002
Received: 05/13/1994

Client Reference Information

GI Trucking/San Leandro, Job: 88288

Sample analysis in support of the project referenced above has been completed and results are presented on following pages. Results apply only to the samples analyzed. Reproduction of this report is permitted only in its entirety. Please refer to the enclosed "Key to Abbreviations" for definition of terms. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Approved by:

Nora Pearmain
Project Coordinator

Jim Hoch
Operations Manager

Enclosure(s)

Ref: GI Trucking/San Leandro, Job: 88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 05/11/1994
Time Taken: 14:00
NET Sample No: 194348

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
METHOD 8020 (GC,Liquid)							
DILUTION FACTOR*	1						05/20/1994
Benzene	ND		0.5	ug/L	8020		05/20/1994
Toluene	ND		0.5	ug/L	8020		05/20/1994
Ethylbenzene	ND		0.5	ug/L	8020		05/20/1994
Xylenes (Total)	ND		0.5	ug/L	8020		05/20/1994
SURROGATE RESULTS	--						05/20/1994
Bromofluorobenzene (SURR)	95			% Rec.	8020		05/20/1994
METHOD 3510/M8015						05/17/1994	
DILUTION FACTOR*	1						05/18/1994
as Diesel	ND		0.05	mg/L	3510		05/18/1994

Ref: GI Trucking/San Leandro, Job: 88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 05/11/1994
Time Taken: 15:20
NET Sample No: 194349

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
METHOD 8020 (GC,Liquid)							
DILUTION FACTOR*	1						05/20/1994
Benzene	ND		0.5	ug/L	8020		05/20/1994
Toluene	ND		0.5	ug/L	8020		05/20/1994
Ethylbenzene	ND		0.5	ug/L	8020		05/20/1994
Xylenes (Total)	ND		0.5	ug/L	8020		05/20/1994
SURROGATE RESULTS	--						05/20/1994
Bromofluorobenzene (SURR)	98			% Rec.	8020		05/20/1994
METHOD 3510/M8015						05/17/1994	
DILUTION FACTOR*	1						05/18/1994
as Diesel	0.58	DH	0.05	mg/L	3510		05/18/1994

DH : The positive result appears to be a heavier hydrocarbon than Diesel.

Ref: GI Trucking/San Leandro, Job: 88288

SAMPLE DESCRIPTION: MW-4
Date Taken: 05/11/1994
Time Taken: 11:35
NET Sample No: 194350

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
METHOD 8020 (GC,Liquid)							
DILUTION FACTOR*	1						05/20/1994
Benzene	ND		0.5	ug/L	8020		05/20/1994
Toluene	ND		0.5	ug/L	8020		05/20/1994
Ethylbenzene	ND		0.5	ug/L	8020		05/20/1994
Xylenes (Total)	ND		0.5	ug/L	8020		05/20/1994
SURROGATE RESULTS	--						05/20/1994
Bromofluorobenzene (SURR)	95			% Rec.	8020		05/20/1994

Ref: GI Trucking/San Leandro, Job: 88288

SAMPLE DESCRIPTION: MW-5
Date Taken: 05/11/1994
Time Taken: 12:30
NET Sample No: 194351

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
METHOD 8020 (GC,Liquid)							
DILUTION FACTOR*	1						05/20/1994
Benzene	ND		0.5	ug/L	8020		05/20/1994
Toluene	ND		0.5	ug/L	8020		05/20/1994
Ethylbenzene	ND		0.5	ug/L	8020		05/20/1994
Xylenes (Total)	ND		0.5	ug/L	8020		05/20/1994
SURROGATE RESULTS	--						05/20/1994
Bromofluorobenzene (SURR)	93			% Rec.	8020		05/20/1994

Ref: GI Trucking/San Leandro, Job: 88288

SAMPLE DESCRIPTION: Amber Liter 1
Date Taken: 05/11/1994
Time Taken:
NET Sample No: 194352

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
METHOD 3510/M8015						05/17/1994	
DILUTION FACTOR*	1						05/18/1994
as Diesel	ND		0.05	mg/L	3510		05/18/1994

Ref: GI Trucking/San Leandro, Job: 88288

SAMPLE DESCRIPTION: Amber Liter 2
Date Taken: 05/11/1994
Time Taken:
NET Sample No: 194353

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
METHOD 3510/M8015						05/17/1994	
DILUTION FACTOR*	1						05/18/1994
as Diesel	ND		0.05	mg/L	3510		05/18/1994

Ref: GI Trucking/San Leandro, Job: 88288

SAMPLE DESCRIPTION: Amber Liter 3
Date Taken: 05/11/1994
Time Taken:
NET Sample No: 194354

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed
METHOD 3510/M8015						05/17/1994	
DILUTION FACTOR*	1						05/18/1994
as Diesel	ND		0.05	mg/L	3510		05/18/1994

Ref: GI Trucking/San Leandro, Job: 88288

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials
METHOD 8020 (GC,Liquid)						
Benzene	99.6	4.98	5.00	ug/L	05/20/1994	aal
Toluene	95.8	4.79	5.00	ug/L	05/20/1994	aal
Ethylbenzene	93.4	4.67	5.00	ug/L	05/20/1994	aal
Xylenes (Total)	94.0	14.1	15.0	ug/L	05/20/1994	aal
Bromofluorobenzene (SURR)	96.0	96	100	% Rec.	05/20/1994	aal
METHOD 3510/M8015						
as Diesel	112.3	1123	1000	mg/L	05/18/1994	fyh

Ref: GI Trucking/San Leandro, Job: 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials
METHOD 8020 (GC,Liquid)					
Benzene	ND	0.5	ug/L	05/20/1994	aal
Toluene	ND	0.5	ug/L	05/20/1994	aal
Ethylbenzene	ND	0.5	ug/L	05/20/1994	aal
Xylenes (Total)	ND	0.5	ug/L	05/20/1994	aal
Bromofluorobenzene (SURR)	93		% Rec.	05/20/1994	aal
METHOD 3510/M8015					
as Diesel	ND	0.05	mg/L	05/18/1994	fyh

Ref: GI Trucking/San Leandro, Job: 88288

MATRIX SPIKE / MATRIX SPIKE DUPLICATE

Parameter	Matrix Spike % Rec.	Matrix Spike Dup % Rec.	RPD	Spike Amount	Sample Conc.	Matrix Spike Conc.	Matrix Spike Dup. Conc.	Units	Date Analyzed	Analyst Initials
METHOD 8020 (GC,Liquid)										
Benzene	100.8	98.2	2.5	39.0	ND	39.3	38.3	ug/L	05/20/1994	aal
Toluene	101.2	98.1	3.0	100.5	ND	101.7	98.6	ug/L	05/20/1994	aal

Ref: GI Trucking/San Leandro, Job: 88288

LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	RPD	LCS Amount Found	LCS Amount Expected	Units	Date Analyzed	Analyst Initials
METHOD 3510/M8015 as Diesel	86.0		0.86	1.00	mg/L	05/18/1994	fyh
METHOD 3510/M8015 as Diesel	72.0	17.7	0.72	1.00	mg/L	05/18/1994	fyh

KEY TO ABBREVIATIONS and METHOD REFERENCES

<	:	Less than; When appearing in results column indicates analyte not detected at the value following. This datum supercedes the listed Reporting Limit.
*	:	Reporting Limits are a function of the dilution factor for any given sample. Actual reporting limits and results have been multiplied by the listed dilution factor. Do not multiply the reporting limits or reported values by the dilution factor.
dw	:	Result expressed as dry weight.
mean	:	Average; sum of measurements divided by number of measurements.
mg/Kg (ppm)	:	Concentration in units of milligrams of analyte per kilogram of sample, wet-weight basis (parts per million).
mg/L	:	Concentration in units of milligrams of analyte per liter of sample.
mL/L/hr	:	Milliliters per liter per hour.
MPN/100 mL	:	Most probable number of bacteria per one hundred milliliters of sample.
N/A	:	Not applicable.
NA	:	Not analyzed.
ND	:	Not detected; the analyte concentration is less than the applicable listed reporting limit.
NTU	:	Nephelometric turbidity units.
RPD	:	Relative percent difference, 100 [Value 1 - Value 2]/mean value.
SNA	:	Standard not available.
ug/Kg (ppb)	:	Concentration in units of micrograms of analyte per kilogram of sample, wet-weight basis (parts per billion).
ug/L	:	Concentration in units of micrograms of analyte per liter of sample.
umhos/cm	:	Micromhos per centimeter.

Method References

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

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

Methods 1000 through 9999: see "Test Methods for Evaluating Solid Waste", U.S. EPA SW-846, 3rd edition, 1986., Rev. 1, December 1987.

SM: see "Standard Methods for the Examination of Water & Wastewater, 17th Edition. APHA, 1989.

Revised September, 1993
abb.93

BLYMYER
ENGINEERS, INC.
1829 Clement Avenue
Alameda, CA 94501 (510) 521-3773 FAX (510) 865-2594

4327

CHAIN OF CUSTODY RECORD

JOB # 88288 | PROJECT NAME/LOCATION: G.I Trucking / San Leandro CA | TURNAROUND TIME: Standard DAY(S)

SAMPLERS (SIGNATURE): Steph W Mlove

DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION	# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTXE (EPA 8020/602)	HOLD	REMARKS
5/11/94	1030		X	BB-1	5							X	
5/11/94	1135		X	MW-4	5		X				X		
5/11/94	1230		X	MW-5	5		X				X		
5/11/94	1400		X	MW-2	5		X				X		analyze 2 ltr of MW-2 to see if DCE results
5/11/94	1530		X	MW-3	5		X				X		per MC to MS 5/13

Record 4-11 log for moisture, did not receive any logs for review.

5/13/94 [signature]

REQUESTED BY: Mark Detterman

RESULTS AND INVOICE TO: Carolina Freight Carriers Corp. c/o Blymyer Engineers, Inc

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
Steph W Mlove	5/11/94 17:40	[Sample Refrigerator]
Steph W Mlove	5/12/94 10:22	[signature]

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS
[signature]	5/12/94 19:02	(via NCS) Received by lab. [signature] 5/13/94

WHITE: Accompany Sample YELLOW: BEI, After Lab Signs PINK: Original Sampler