BLYMYER
ENGINEERS, INC.

April 4, 1995
BEI Job No. 88288

Mr. Scott Seery
Alameda County Health Care Services Agency
Division of Hazardous Materials
Department of Environmental Health
1131 Harbor Bay Parkway, 2nd Floor
Alameda, CA 94502-6577

Subject: **First Quarter 1995 Groundwater Monitoring**
G.I. Trucking Company
1750 Adams Avenue
San Leandro, California

Dear Mr. Seery:

This letter documents the First Quarter 1995 groundwater monitoring activities at the above-referenced site (Figure 1).

Two of the five existing groundwater monitoring wells (MW-2 and MW-3, Figure 2) were sampled on February 15, 1995. In accordance with the Alameda County Health Care Services Agency (ACHCSA) letter, dated August 5, 1994, which states that groundwater sampling and sample analysis for monitoring wells MW-4 and MW-5 are no longer required, only monitoring wells MW-2 and MW-3 were sampled this quarter. Monitoring well MW-1 contains an EZY® passive skimmer, which is used to recover free-phase petroleum product in the monitoring well. Consequently, monitoring well MW-1 also was not sampled this quarter.

Three well casing volumes of water were removed from each of the two wells prior to sampling. A representative groundwater sample was collected from each well using a disposable polyethylene bailer and placed in appropriate containers for transport to the analytical laboratory. The Well Purging and Sampling Data sheets for the sampled monitoring wells are included as Attachment A. The groundwater samples were placed in a cooler with crushed ice and delivered via courier to National Environmental Testing, Inc., a California-certified laboratory.

The groundwater samples were tested for the regular analyses, Total Petroleum Hydrocarbons (TPH) as diesel by modified EPA Method 8015 and benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 602, and for the analytes listed below, as requested by the ACHCSA in its August 1994 letter.

- TPH as gasoline by modified EPA Method 8015
- Halogenated Volatile Compounds (HVOCs) by EPA Method 601
- Semivolatile Organic Compounds (SVOCs) by EPA Method 8270
- Cadmium, chromium, nickel, and zinc by EPA Method 6010 and lead by EPA Method 7421

1829 CLEMENT AVENUE ALAMEDA, CALIFORNIA 94501-1395
PHONE 510-521-3773 FAX 510-865-2594

This quarter, groundwater samples were also analyzed for Total Recoverable Petroleum Hydrocarbons (TRPH) by EPA Method 418.1 to comply with the Tri-Regional Board guidelines for the waste oil suite of analyses for groundwater and TPH as motor oil by modified EPA Method 8015 to provide additional groundwater chemistry data. The laboratory analytical report is included as Attachment B.

This quarter, TPH as diesel was detected in the groundwater sample collected from monitoring well MW-2 (Table I). This is the second consecutive quarter in which TPH as diesel has been detected in the groundwater sample from monitoring well MW-2. As in the last quarter, the TPH as diesel concentration was only slightly above the method detection limit. Although, this quarter, the laboratory indicated that the positive result is likely due to a heavier hydrocarbon than diesel, no concentrations of either TPH as motor oil or TRPH were detected. Based on the analytical data, it is most likely that the TPH in groundwater is due to the presence of weathered diesel.

None of the other analytes were detected in groundwater samples from monitoring well MW-2 except toluene, at a concentration of 1.2 micrograms per liter (µg/L) (Table II), and lead, at a concentration of 0.002 milligrams per liter (mg/L) (Table III). This is the first quarter in which toluene has been detected in groundwater from this monitoring well in seven consecutive quarters of monitoring. The detected toluene concentration is well below the California Maximum Contaminant Level (MCL) for toluene of 150 µg/L. The detected concentration of lead is equal to the method detection limit for this analysis and is below the EPA MCL for lead of 0.015 mg/L and the California Department of Health Services (CDHS) MCL for lead of 0.05 mg/L.

TPH as diesel was first detected in a groundwater sample collected from monitoring well MW-3 in February 1990. Since February 1990, except for the December 1990 and December 1992 sampling events, low concentrations of TPH as diesel have been detected in all groundwater samples from this monitoring well (Table I). The concentrations range from 0.19 to 1.7 mg/L. TPH as diesel was detected at 1.7 mg/L in monitoring well MW-3 this sampling event; however, this is the second consecutive quarter that the laboratory indicated that the positive result is likely due to a heavier hydrocarbon than diesel. As for groundwater samples from monitoring well MW-2, because TPH as motor oil and TRPH were not detected in groundwater samples from monitoring well MW-3, it is likely that the positive TPH as diesel result is due to the presence of weathered diesel.

None of the other analytes were detected in groundwater from monitoring well MW-3 except for lead, at a concentration of 0.004 mg/L, and zinc, at a concentration of 0.16 mg/L (Tables II and III). The detected concentrations of lead and zinc are below the EPA and CDHS MCLs. The EPA and CDHS MCL for zinc is 5.0 mg/L.

TPH as diesel has never been detected in any groundwater samples from monitoring wells MW-4 and MW-5 since the initial sampling event in November 1988. BTEX has also never been detected in groundwater samples from monitoring wells MW-4 and MW-5 since analytical testing for these compounds began in August 1993. Groundwater analysis for these compounds ended after the November 1994 sampling event in accordance with the ACHCSA's letter, dated August 1994.

Monitoring well MW-1 has contained a thin free-phase petroleum product layer or a product sheen on groundwater since quarterly monitoring began in November 1988. An EZY® passive skimmer was installed in the monitoring well on October 27, 1993. The skimmer was on a monthly operation and maintenance schedule, overseen by on-site personnel, until August 1994. Since then, the skimmer has been maintained quarterly in concurrence with groundwater sampling. Table IV contains a summary of the amount of free product recovered and the approximate cumulative volume of free product removed to date, which has only amounted to approximately 0.9 gallons in over one year's time.

The groundwater flow direction in the vicinity of the underground storage tank basin was not determined this quarter due to lack of groundwater elevation data points. The flow direction has historically ranged between south and southeast, and last quarter groundwater flowed toward the south-southeast. Historic and recent measurements of depth to groundwater are presented in Table V. Determination of the groundwater flow direction will resume next monitoring event.

Recommendations

- Blymyer Engineers recommends that analysis of groundwater samples for TRPH, HVOCs, SVOCs, and metals be discontinued. There have been no detectable concentrations of these analytes, except for the detection of two metals at concentrations below the EPA and CDHS MCLs, since analytical testing for these compounds began in Fourth Quarter 1994. In addition, the general trend of analyte concentrations in groundwater at the site, as indicated by TPH as diesel concentrations in groundwater from monitoring well MW-3 (Table I), is that concentrations increase with rises in groundwater elevation, which occur during the first months of the year. At this time of year, when groundwater elevations are relatively high and analyte concentrations peak, the analyte concentrations are still non-detectable and below MCLs. The analytical results also indicate that waste oil is not the contaminant of concern at the site. The non-detect results of TPH as motor oil indicate that the TPH concentration in groundwater is likely due to weathered diesel, not a heavier hydrocarbon than diesel.

- Blymyer Engineers, on behalf of G.I. Trucking Company, requests that the ACHSCA and the Regional Water Quality Control Board grant regulatory closure for this case. No concentrations of benzene have been detected since analytical testing for BTEX began in Third Quarter 1993, the analytes detected in groundwater have all been detected at concentrations below EPA and CDHS MCLs (for the analytes that MCLs have been established), and over one year of free product recovery has resulted in less than one gallon of recovered free product.

- Pending a response to the closure request, the frequency of groundwater monitoring will be reduced from quarterly to semi-annually for monitoring wells MW-2 and MW-3.

Please call Deborah Underwood at (510) 521-3773 with any questions or comments.

Sincerely,

Blymyer Engineers, Inc.

By: _____
Deborah Underwood
Geologist

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

Enclosures:

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:	Summary of Groundwater Sample Analytical Results; TPH as Gasoline, TPH as Motor Oil, TRPH, HVOCs, SVOCs, and Metals
Table IV:	Free Product Recovery Measurements, Monitoring Well MW-1
Table V:	Groundwater Elevation Measurements
Figure 1:	Site Location Map
Figure 2:	Site Plan Map and Groundwater Elevations, February 15, 1995
Attachment A:	Well Purging and Sampling Data Sheets, dated February 15, 1995
Attachment B:	Laboratory Analytical Report, National Environmental Testing, Inc., dated March 1, 1995

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

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

Date Sampled	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	1600 1.6	<0.05	<0.05
May 21, 1993	0.09 feet free product	<0.05	720 0.72	<0.05	<0.05
August 17, 1993	0.13 feet free product	<0.05	480 0.48	<0.05	<0.05
December 13, 1993	heavy product sheen	<0.05	190 0.19	<0.05	<0.05
February 24, 1994	heavy product sheen	<0.05	380 0.38	<0.05	<0.05
May 11, 1994	heavy product sheen	<0.05	580 0.58	<0.05	<0.05
August 23, 1994	0.08 feet free product	<0.05	450 0.45*	<0.05	<0.05
November 29, 1994	heavy product sheen	0.09	960 0.96*	NA	NA
February 15, 1995	heavy product sheen	100 0.1*	1700 1.7*	NA	NA

mg/L = Milligrams per liter
<x = Detected at less than indicated detection limit of x
* = Laboratory reports that positive result appears to be a heavier hydrocarbon than diesel
NA = Not analyzed

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

Date Sampled	MW-1	MW-2	MW-3	MW-4	MW-5
November 15, 1988 to May 21, 1993	Not Analyzed				
August 17, 1993	0.13 feet free product	<0.5	<0.5	<0.5	<0.5
December 13, 1993	heavy product sheen	<0.5	<0.5	<0.5	<0.5
February 24, 1994	heavy product sheen	<0.5	<0.5	<0.5	<0.5
May 11, 1994	heavy product sheen	<0.5	<0.5	<0.5	<0.5
August 23, 1994	0.08 feet free product	<0.5	0.6[a]	<0.5	<0.5
November 29, 1994	heavy product sheen	<0.5	<0.5	NA	NA
February 15, 1995	heavy product sheen	1.2[a]	ND	NA	NA

µg/L = Micrograms per liter
<x = Detected at less than the indicated detection limit of x
[a] = Concentration of toluene detected
NA = Not analyzed
ND = Not detected above the detection limit; see individual laboratory report for respective detection limits

Table III. Summary of Groundwater Sample Analytical Results*
TPH as Gasoline, TPH as Motor Oil, TRPH, HVOCs, SVOCs, and Metals
BEI Job No. 88288, G.L Trucking, 1750 Adams Avenue, San Leandro, California

Sample I.D.	Date Sampled	Modified EPA Method 8015 TPH as gasoline (mg/L)	Modified EPA Method 8015 TPH as motor oil (mg/L)	EPA Method 418.1 TRPH (mg/L)	EPA Method 601 HVOCs (µg/L)	EPA Method 8270 SVOCs (µg/L)	EPA Method 6010 Metals[a] (mg/L)
MW-1	January 15, 1988 to August 23, 1994	NA	NA	NA	NA	NA	NA
	November 29, 1994[b]	NA	NA	NA	NA	NA	NA
	February 15, 1995[b]	NA	NA	NA	NA	NA	NA
MW-2	January 15, 1988 to August 23, 1994	NA	NA	NA	NA	NA	NA
	November 29, 1994	<0.05	NA	NA	ND	ND	ND[c]
	February 15, 1995	<0.05	<0.5	<5.0	ND	ND	0.002 Pb[d]
MW-3	January 15, 1988 to August 23, 1994	NA	NA	NA	NA	NA	NA
	November 29, 1994	<0.05	NA	NA	ND	ND	ND[c]
	February 15, 1995	<0.05	<0.5	<5.0	ND	ND	0.004 Pb[d] 0.16 Zn[d]

* = Groundwater samples from monitoring wells MW-4 and MW-5 were not collected or analyzed in accordance with the ACHCSA letter, dated August 5, 1994
TPH = Total Petroleum Hydrocarbons
HVOCs = Halogenated Volatile Organic Compounds
SVOCs = Semivolatile Organic Compounds
mg/L = Milligrams per liter
µg/L = Micrograms per liter
[a] = Metals analytical test includes: cadmium (Cd), chromium (Cr), lead (Pb), nickel (Ni), zinc (Zn)
[b] = Not analyzed due to presence of free product or heavy product sheen in well
[c] = Groundwater sample filtered and preserved before submittal to laboratory
[d] = Detected analyte(s) and concentration listed; see individual laboratory report for respective detection limit(s)
NA = Not analyzed
ND = None of the analytes detected above the detection limit; see individual laboratory report for respective detection limits

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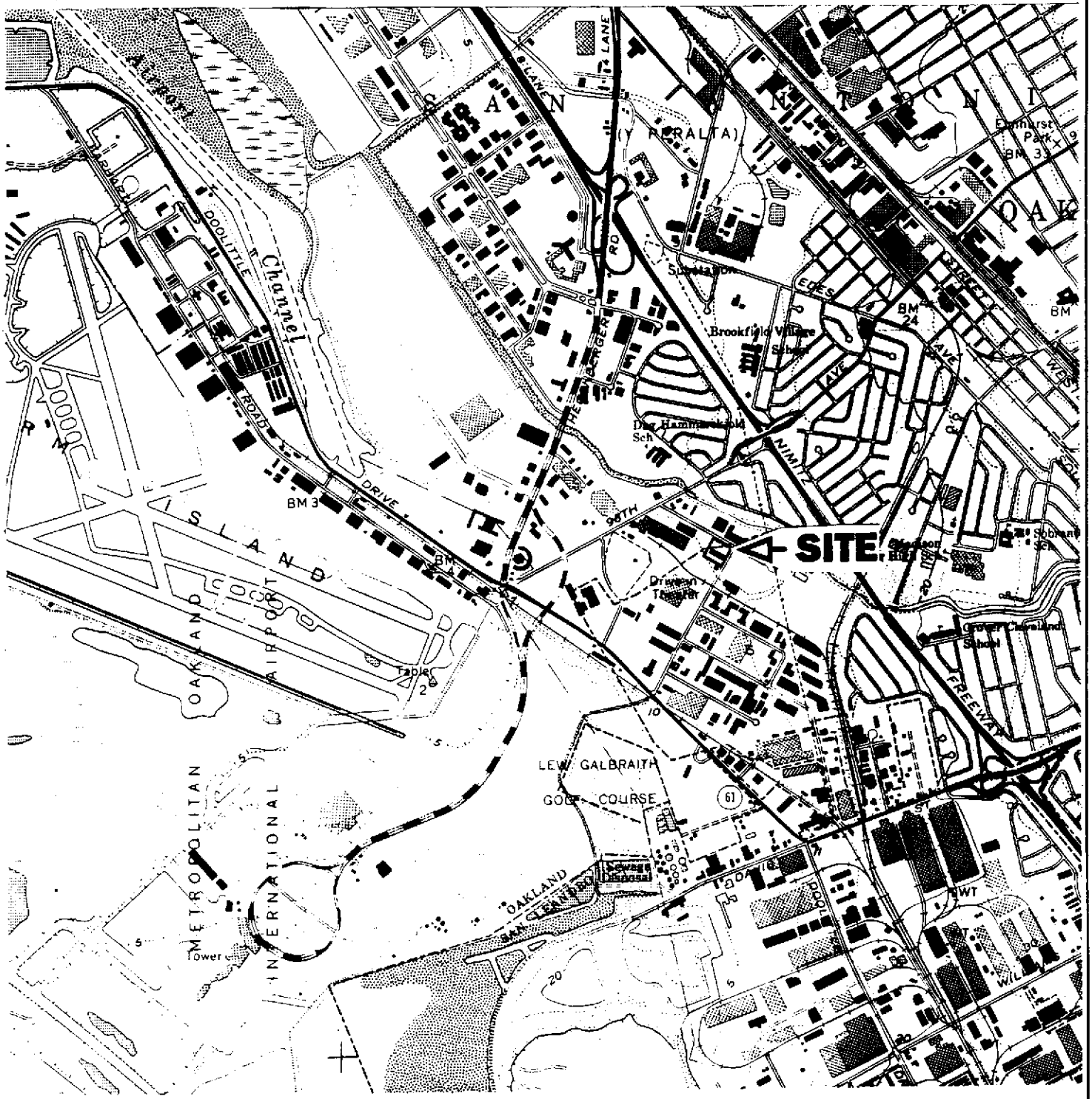
Table IV. Free Product Recovery Measurements, Monitoring Well MW-1 BEI Job No. 88288, G.I. Trucking Company, 1750 Adams Avenue, San Leandro, California	
Date Recovered	Volume Recovered (gallons)
November 1988 to October 1993	none recovered
November 1993	0.125
December 1993	0.25
January 1994	0.05
February 1994	<0.05
March 1994	<0.05
April 1994	<0.05
May 1994	<0.05
June 1994	<0.025
July 1994	<0.025
August 1994	0.1
September 1994	none recovered
October 1994	none recovered
November 1994	0.1
February 1995	<0.025
Cumulative Volume Recovered (approximate)	0.9

Table V. Groundwater Elevation Measurements
BEI Job No. 88288, G.I. Trucking Company, 1750 Adams Avenue, San Leandro, California

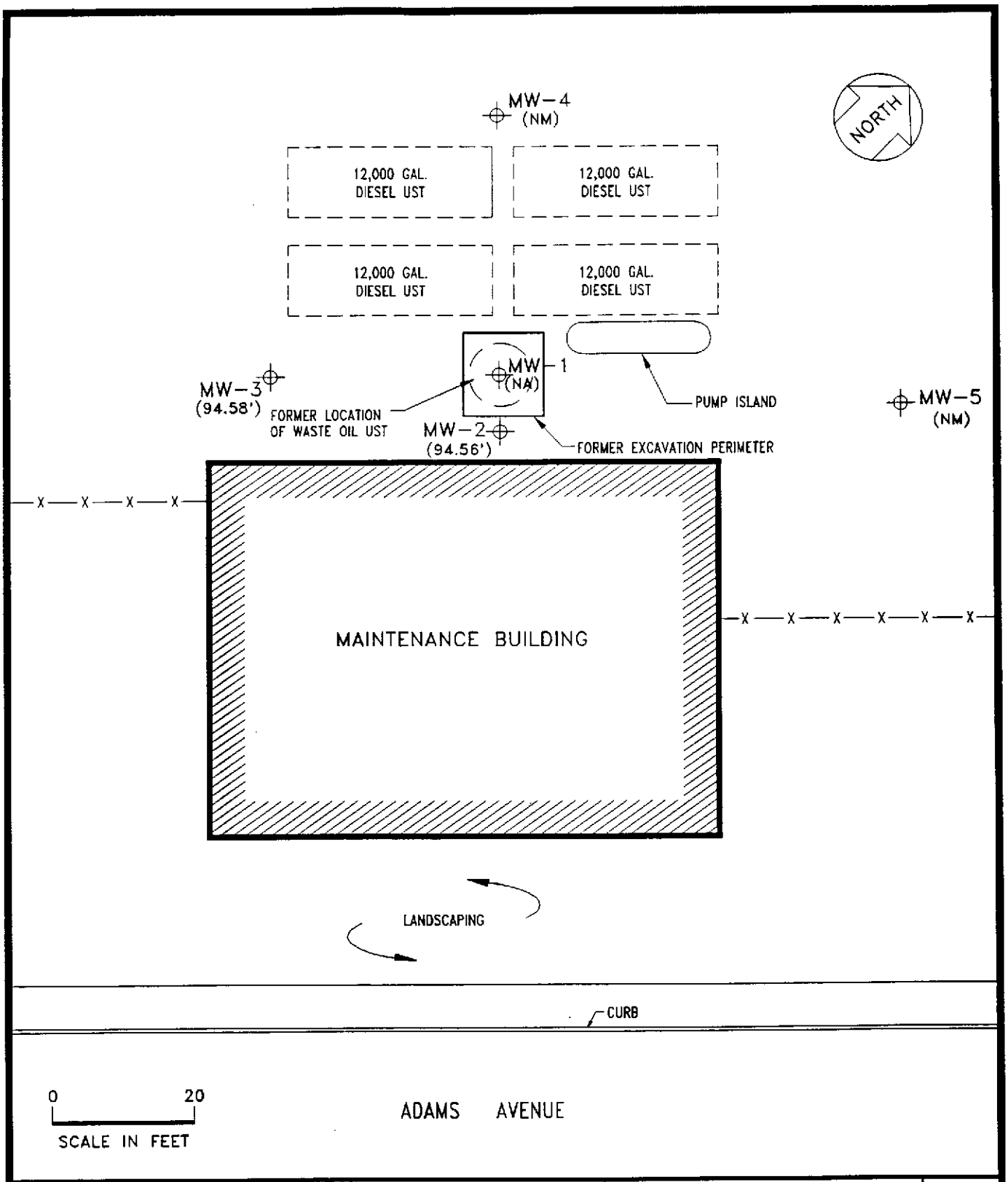
Date Measured	MW-1 TOC Elevation 100.00*		MW-2 TOC Elevation 100.24*		MW-3 TOC Elevation 100.22* TOC Elevation 100.18**		MW-4 TOC Elevation 99.48*		MW-5 TOC Elevation 99.60*	
	Depth to Water/ Free Product	Water Surface Elevation	Depth to Water	Water Surface Elevation	Depth to Water	Water Surface Elevation	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	NM*	NM*	6.09	94.15	6.33	93.89	5.08	94.40	5.38	94.22
February 24, 1994	4.97	95.63	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
August 23, 1994	5.98/6.06	NA	6.44	93.80	6.38	93.80	5.47	94.01	5.70	93.90
November 29, 1994	5.98	94.02	5.82	94.42	5.76	94.42	4.76	94.72	5.12	94.48
February 15, 1995	4.93	95.07	5.68	94.56	5.60	94.58	NM	NM	NM	NM

TOC = Top of Casing; * = Based on an Arbitrary Datum; ** = Resurveyed elevation, May 11, 1994; NA = Not Applicable; NM = Not measured; * = Not measured due to equipment malfunction



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

BLYMYER ENGINEERS, INC. (BEI)		SITE LOCATION MAP	FIGURE
BEI JOB NO. 88288	DATE 1/26/94	GI TRUCKING 1750 ADAMS AVE. SAN LEANDRO, CA	1



BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
88288	2/22/95

LEGEND

UST	UNDERGROUND STORAGE TANK
⊕	GROUNDWATER MONITORING WELL
(94.58')	GROUNDWATER ELEVATION (FT.) (ARBITRARY DATUM)
(NA)	NOT APPLICABLE
(NM)	NOT MEASURED

SITE PLAN MAP AND GROUNDWATER ELEVATIONS
FEBRUARY 15, 1995
G.I. TRUCKING
SAN LEANDRO, CA

FIGURE 2

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Attachment A

Well Purging and Sampling Data Sheets

Well Purging and Sampling Data

Date	2/15/95	Project Number	88288	Project Name	G.I. 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	5.68 ft.	Column of water	x 17.57 ft.
Total depth of well	23.25 ft.	Volume of casing	= 3.0 gal.
Column of water	17.57 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	Disposable polyethylene bailer
Method of decontamination	Liqui-nox and distilled water

Physical appearance of water (clarity, color, particulates, odor)	
Initial	Clear, no odor
During	Slightly silty, tan color, no odor
Final	Slightly silty, tan color, no odor

Field Analysis	Initial	During		Final
Time	08:12	08:21	08:32	08:41
Temperature (F)	55.2	58.6	58.7	59.4
Conductivity (us/cm)	775	804	815	812
pH	6.64	6.74	6.78	6.82
Method of measurement	Hydac meter			
Total volume purged	9.0 gal			
Comments	Sampled with disposable polyethylene bailer			

Sample Number	Amount of Sample
MW-2	4-1l amber bottles
	6-40ml VOA w/ HCl
	1-0.5l plastic w/ HNO3
	3-40ml VOA, 1-1l amber w/ H2SO4

Signed/Sampler	Stephen W. Moore	Date	2/15/95
Signed/Reviewer	D. Underwood	Date	3/21/95

Well Purging and Sampling Data

Date	2/15/95	Project Number	88288	Project Name	G.I. 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	5.60 ft.	Column of water	x 17.15 ft.
Total depth of well	22.75 ft.	Volume of casing	= 2.9 gal.
Column of water	17.15 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	Disposable polyethylene bailer
Method of decontamination	Liqui-nox and distilled water

Physical appearance of water (clarity, color, particulates, odor)	
Initial	Clear, no odor
During	Slightly silty, tan color, no odor
Final	Slightly silty, tan color, no odor

Field Analysis	Initial	During		Final
Time	10:10	10:16	10:24	10:31
Temperature (F)	59.0	61.7	61.6	61.9
Conductivity (us/cm)	786	861	927	962
pH	6.90	6.62	6.64	6.85
Method of measurement	Hydac meter			
Total volume purged	8.75 gal.			
Comments	Sampled with disposable polyethylene bailer			

Sample Number	Amount of Sample
MW-3	4-1l amber bottles
	6-40ml VOA w/ HCl
	1-0.5l plastic w/ HNO3
	3-40ml VOA, 1-1l amber w/ H2SO4

Signed/Sampler	Steph W Moore	Date	2/15/95
Signed/Reviewer	D Underwood	Date	3/21/95

Attachment B

Laboratory Analytical Report, National Environmental Testing, Inc.

NATIONAL ENVIRONMENTAL TESTING, INC.

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

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

Date: 03/01/1995
NET Client Acct. No: 61900
NET Pacific Job No: 95.00750
Received: 02/16/1995

Client Reference Information

GI Trucking/San Leandro, CA/Job No. 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:

Thomas F. Cullen, Jr.
Division Manager

Jennifer L. Roseberry
Project Manager

Enclosure(s)

Client Name: Carolina Freight Carriers Date: 03/01/1995
Client Acct: 61900 ELAP Cert: 1386
NET Job No: 95.00750 Page: 2

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 02/15/1995
Time Taken: 09:30
NET Sample No: 236252

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
Oil & Grease (IR,TRPH)	ND		5	mg/L	5520C/F		02/21/1995	276
METHOD 6010 (LIQUID)	--						02/27/1995	873
Cadmium (ICP)	ND		0.02	mg/L	EPA 6010	02/22/1995	02/27/1995	710
Chromium (ICP)	ND		0.02	mg/L	EPA 6010	02/22/1995	02/27/1995	668
Lead (GFAA)	0.002		0.002	mg/L	EPA 7421	02/22/1995	02/26/1995	620
Nickel (ICP)	ND		0.05	mg/L	EPA 6010	02/22/1995	02/27/1995	666
Zinc (ICP)	ND		0.05	mg/L	EPA 6010	02/22/1995	02/27/1995	838
METHOD 5030/M8015								
DILUTION FACTOR*	1						02/19/1995	2597
as Gasoline	ND		0.05	mg/L	5030		02/19/1995	2597
SURROGATE RESULTS	--						02/19/1995	2597
Bromofluorobenzene (SURR)	88			% Rec.	5030		02/19/1995	2597
METHOD M8015 (EXT., Liquid)						02/20/1995		
DILUTION FACTOR*	1						02/21/1995	930
as Diesel	0.10	DH	0.05	mg/L	3510		02/21/1995	930
as Motor Oil	ND		0.5	mg/L	3510		02/21/1995	930

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

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 02/15/1995
Time Taken: 09:30
NET Sample No: 236252

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 601 (GC,Liquid)								
DILUTION FACTOR*	1						02/23/1995	B14
Bromodichloromethane	ND		0.4	ug/L	601		02/23/1995	B14
Bromoform	ND		0.4	ug/L	601		02/23/1995	B14
Bromomethane	ND		0.4	ug/L	601		02/23/1995	B14
Carbon tetrachloride	ND		0.4	ug/L	601		02/23/1995	B14
Chlorobenzene	ND		0.4	ug/L	601		02/23/1995	B14
Chloroethane	ND		0.4	ug/L	601		02/23/1995	B14
2-Chloroethylvinyl ether	ND		1.0	ug/L	601		02/23/1995	B14
Chloroform	ND		0.4	ug/L	601		02/23/1995	B14
Chloromethane	ND		0.4	ug/L	601		02/23/1995	B14
Dibromochloromethane	ND		0.4	ug/L	601		02/23/1995	B14
1,2-Dichlorobenzene	ND		0.4	ug/L	601		02/23/1995	B14
1,3-Dichlorobenzene	ND		0.4	ug/L	601		02/23/1995	B14
1,4-Dichlorobenzene	ND		0.4	ug/L	601		02/23/1995	B14
Dichlorodifluoromethane	ND		0.4	ug/L	601		02/23/1995	B14
1,1-Dichloroethane	ND		0.4	ug/L	601		02/23/1995	B14
1,2-Dichloroethane	ND		0.4	ug/L	601		02/23/1995	B14
1,1-Dichloroethene	ND		0.4	ug/L	601		02/23/1995	B14
trans-1,2-Dichloroethene	ND		0.4	ug/L	601		02/23/1995	B14
1,2-Dichloropropane	ND		0.4	ug/L	601		02/23/1995	B14
cis-1,3-Dichloropropene	ND		0.4	ug/L	601		02/23/1995	B14
trans-1,3-Dichloropropene	ND		0.4	ug/L	601		02/23/1995	B14
Methylene chloride	ND		10	ug/L	601		02/23/1995	B14
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	601		02/23/1995	B14
Tetrachloroethene	ND		0.4	ug/L	601		02/23/1995	B14
1,1,1-Trichloroethane	ND		0.4	ug/L	601		02/23/1995	B14
1,1,2-Trichloroethane	ND		0.4	ug/L	601		02/23/1995	B14
Trichloroethene	ND		0.4	ug/L	601		02/23/1995	B14
Trichlorofluoromethane	ND		0.4	ug/L	601		02/23/1995	B14
Vinyl chloride	ND		0.4	ug/L	601		02/23/1995	B14
SURROGATE RESULTS	--						02/23/1995	B14
1,4-Difluorobenzene (SURR)	92			% Rec.	601		02/23/1995	B14
1,4-Dichlorobutane (SURR)	99			% Rec.	601		02/23/1995	B14

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 02/15/1995
Time Taken: 09:30
NET Sample No: 236252

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 602 (GC,Liquid)								
DILUTION FACTOR*	1						02/23/1995	814
Benzene	ND		0.5	ug/L	602		02/23/1995	814
Ethylbenzene	ND		0.6	ug/L	602		02/23/1995	814
Toluene	1.2		0.5	ug/L	602		02/23/1995	814
Xylenes (total)	ND		0.6	ug/L	602		02/23/1995	814
SURROGATE RESULTS	--						02/23/1995	814
1,4-Difluorobenzene (SURR)	92			% Rec.			02/23/1995	814
1,4-Dichlorobutane (SURR)	99			% Rec.			02/23/1995	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 02/15/1995
Time Taken: 09:30
NET Sample No: 236252

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 8270(GCMS,Liquid)						02/20/1995		
DILUTION FACTOR*	1						02/21/1995	673
Acenaphthene	ND		10	ug/L	8270		02/21/1995	673
Acenaphthylene	ND		10	ug/L	8270		02/21/1995	673
Aldrin	ND		50	ug/L	8270		02/21/1995	673
Anthracene	ND		10	ug/L	8270		02/21/1995	673
Benzidine	ND		44	ug/L	8270		02/21/1995	673
Benzo(a)anthracene	ND		10	ug/L	8270		02/21/1995	673
Benzo(b)fluoranthene	ND		10	ug/L	8270		02/21/1995	673
Benzo(k)fluoranthene	ND		10	ug/L	8270		02/21/1995	673
Benzo(a)pyrene	ND		10	ug/L	8270		02/21/1995	673
Benzo(g,h,i)perylene	ND		10	ug/L	8270		02/21/1995	673
Benzoic acid	ND		50	ug/L	8270		02/21/1995	673
Benzyl alcohol	ND		10	ug/L	8270		02/21/1995	673
Butyl benzyl phthalate	ND		10	ug/L	8270		02/21/1995	673
delta-BHC	ND		50	ug/L	8270		02/21/1995	673
gamma-BHC	ND		50	ug/L	8270		02/21/1995	673
bis(2-Chloroethyl)ether	ND		10	ug/L	8270		02/21/1995	673
bis(2-Chloroethoxy)methane	ND		10	ug/L	8270		02/21/1995	673
bis(2-Chloroisopropyl)ether	ND		10	ug/L	8270		02/21/1995	673
bis(2-Ethylhexyl)phthalate	ND		10	ug/L	8270		02/21/1995	673
4-Bromophenyl phenyl ether	ND		10	ug/L	8270		02/21/1995	673
4-Chloroaniline	ND		10	ug/L	8270		02/21/1995	673
2-Chloronaphthalene	ND		10	ug/L	8270		02/21/1995	673
4-Chlorophenyl phenyl ether	ND		10	ug/L	8270		02/21/1995	673
Chrysene	ND		10	ug/L	8270		02/21/1995	673
4,4'-DDD	ND		50	ug/L	8270		02/21/1995	673
4,4'-DDE	ND		50	ug/L	8270		02/21/1995	673
4,4'-DDT	ND		50	ug/L	8270		02/21/1995	673
Dibenzo(a,h)anthracene	ND		10	ug/L	8270		02/21/1995	673
Dibenzofuran	ND		10	ug/L	8270		02/21/1995	673
Di-n-butylphthalate	ND		10	ug/L	8270		02/21/1995	673
1,2-Dichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
1,3-Dichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
1,4-Dichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
3,3'-Dichlorobenzidine	ND		20	ug/L	8270		02/21/1995	673
Dieldrin	ND		50	ug/L	8270		02/21/1995	673
Diethylphthalate	ND		10	ug/L	8270		02/21/1995	673
Dimethyl phthalate	ND		10	ug/L	8270		02/21/1995	673
2,4-Dinitrotoluene	ND		10	ug/L	8270		02/21/1995	673
2,6-Dinitrotoluene	ND		10	ug/L	8270		02/21/1995	673
Di-n-octyl phthalate	ND		10	ug/L	8270		02/21/1995	673
Endrin aldehyde	ND		50	ug/L	8270		02/21/1995	673
Fluoranthene	ND		10	ug/L	8270		02/21/1995	673
Fluorene	ND		10	ug/L	8270		02/21/1995	673
Heptachlor	ND		50	ug/L	8270		02/21/1995	673

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 02/15/1995
Time Taken: 09:30
NET Sample No: 236252

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
Heptachlor epoxide	ND		50	ug/L	8270		02/21/1995	673
Hexachlorobenzene	ND		10	ug/L	8270		02/21/1995	673
Hexachlorobutadiene	ND		10	ug/L	8270		02/21/1995	673
Hexachlorocyclopentadiene	ND		10	ug/L	8270		02/21/1995	673
Hexachloroethane	ND		10	ug/L	8270		02/21/1995	673
Indeno(1,2,3-cd)pyrene	ND		10	ug/L	8270		02/21/1995	673
Isophorone	ND		10	ug/L	8270		02/21/1995	673
2-Methylnaphthalene	ND		10	ug/L	8270		02/21/1995	673
Naphthalene	ND		10	ug/L	8270		02/21/1995	673
2-Nitroaniline	ND		50	ug/L	8270		02/21/1995	673
3-Nitroaniline	ND		50	ug/L	8270		02/21/1995	673
4-Nitroaniline	ND		50	ug/L	8270		02/21/1995	673
Nitrobenzene	ND		10	ug/L	8270		02/21/1995	673
N-Nitroso-Di-N-propylamine	ND		10	ug/L	8270		02/21/1995	673
N-Nitrosodiphenylamine	ND		10	ug/L	8270		02/21/1995	673
Phenanthrene	ND		10	ug/L	8270		02/21/1995	673
Pyrene	ND		10	ug/L	8270		02/21/1995	673
1,2,4-Trichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
ACID EXTRACTABLES	--						02/21/1995	673
4-Chloro-3-methylphenol	ND		10	ug/L	8270		02/21/1995	673
2-Chlorophenol	ND		10	ug/L	8270		02/21/1995	673
2,4-Dichlorophenol	ND		10	ug/L	8270		[illegible]/21/1995	673
2,4-Dimethylphenol	ND		10	ug/L	827[illegible]		[illegible]2/21/1995	673
2,4-Dinitrophenol	ND		50	ug/L	[illegible]		02/21/1995	673
4,6-Dinitro-2-methylphenol	ND		50	ug/L			02/21/1995	673
2-Nitrophenol	ND		10	ug/L			02/21/1995	673
4-Nitrophenol	ND		50	ug/L	8270		02/21/1995	673
Pentachlorophenol	ND		50	ug/L	8270		02/21/1995	673
Phenol	ND		10	ug/L	8270		02/21/1995	673
2,4,6-Trichlorophenol	ND		10	ug/L	8270		02/21/1995	673
2-Methylphenol	ND		10	ug/L	8270		02/21/1995	673
4-Methylphenol	ND		10	ug/L	8270		02/21/1995	673
2,4,5-Trichlorophenol	ND		50	ug/L	8270		02/21/1995	673
SURROGATE RESULTS	--						02/21/1995	673
Nitrobenzene-d5 (SURR)	77			% Rec.	8270		02/21/1995	673
2-Fluorobiphenyl (SURR)	70			% Rec.	8270		02/21/1995	673
p-Terphenyl-d14 (SURR)	57			% Rec.	8270		02/21/1995	673
Phenol-d5 (SURR)	31			% Rec.	8270		02/21/1995	673
2-Fluorophenol (SURR)	45			% Rec.	8270		02/21/1995	673
2,4,6-Tribromophenol (SURR)	76			% Rec.	8270		02/21/1995	673

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 02/15/1995
Time Taken: 11:10
NET Sample No: 236253

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
Oil & Grease (IR,TRPH)	ND		5	mg/L	5520C/F		02/21/1995	276
METHOD 6010 (LIQUID)	--						02/27/1995	873
Cadmium (ICP)	ND		0.02	mg/L	EPA 6010	02/22/1995	02/27/1995	710
Chromium (ICP)	ND		0.02	mg/L	EPA 6010	02/22/1995	02/27/1995	668
Lead (GFAA)	0.004		0.002	mg/L	EPA 7421	02/22/1995	02/26/1995	620
Nickel (ICP)	ND		0.05	mg/L	EPA 6010	02/22/1995	02/27/1995	666
Zinc (ICP)	0.16		0.05	mg/L	EPA 6010	02/22/1995	02/27/1995	838
METHOD 5030/M8015								
DILUTION FACTOR*	1						02/19/1995	2597
as Gasoline	ND		0.05	mg/L	5030		02/19/1995	2597
SURROGATE RESULTS	--						02/19/1995	2597
Bromofluorobenzene (SURR)	87			% Rec.	5030		02/19/1995	2597
METHOD M8015 (EXT., Liquid)						02/18/1995		
DILUTION FACTOR*	1						02/21/1995	930
as Diesel	1.7	DH	0.05	mg/L	3510		02/21/1995	930
as Motor Oil	ND		0.5	mg/L	3510		02/21/1995	930

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

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 02/15/1995
Time Taken: 11:10
NET Sample No: 236253

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 601 (GC,Liquid)								
DILUTION FACTOR*	1						02/23/1995	814
Bromodichloromethane	ND		0.4	ug/L	601		02/23/1995	814
Bromoform	ND		0.4	ug/L	601		02/23/1995	814
Bromomethane	ND		0.4	ug/L	601		02/23/1995	814
Carbon tetrachloride	ND		0.4	ug/L	601		02/23/1995	814
Chlorobenzene	ND		0.4	ug/L	601		02/23/1995	814
Chloroethane	ND		0.4	ug/L	601		02/23/1995	814
2-Chloroethylvinyl ether	ND		1.0	ug/L	601		02/23/1995	814
Chloroform	ND		0.4	ug/L	601		02/23/1995	814
Chloromethane	ND		0.4	ug/L	601		02/23/1995	814
Dibromochloromethane	ND		0.4	ug/L	601		02/23/1995	814
1,2-Dichlorobenzene	ND		0.4	ug/L	601		02/23/1995	814
1,3-Dichlorobenzene	ND		0.4	ug/L	601		02/23/1995	814
1,4-Dichlorobenzene	ND		0.4	ug/L	601		02/23/1995	814
Dichlorodifluoromethane	ND		0.4	ug/L	601		02/23/1995	814
1,1-Dichloroethane	ND		0.4	ug/L	601		02/23/1995	814
1,2-Dichloroethane	ND		0.4	ug/L	601		02/23/1995	814
1,1-Dichloroethene	ND		0.4	ug/L	601		02/23/1995	814
trans-1,2-Dichloroethene	ND		0.4	ug/L	601		02/23/1995	814
1,2-Dichloropropane	ND		0.4	ug/L	601		02/23/1995	814
cis-1,3-Dichloropropene	ND		0.4	ug/L	601		02/23/1995	814
trans-1,3-Dichloropropene	ND		0.4	ug/L	601		02/23/1995	814
Methylene chloride	ND		10	ug/L	601		02/23/1995	814
1,1,2,2-Tetrachloroethane	ND		0.4	ug/L	601		02/23/1995	814
Tetrachloroethene	ND		0.4	ug/L	601		02/23/1995	814
1,1,1-Trichloroethane	ND		0.4	ug/L	601		02/23/1995	814
1,1,2-Trichloroethane	ND		0.4	ug/L	601		02/23/1995	814
Trichloroethene	ND		0.4	ug/L	601		02/23/1995	814
Trichlorofluoromethane	ND		0.4	ug/L	601		02/23/1995	814
Vinyl chloride	ND		0.4	ug/L	601		02/23/1995	814
SURROGATE RESULTS	--						02/23/1995	814
1,4-Difluorobenzene (SURR)	97			% Rec.	601		02/23/1995	814
1,4-Dichlorobutane (SURR)	106			% Rec.	601		02/23/1995	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 02/15/1995
Time Taken: 11:10
NET Sample No: 236253

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 602 (GC,Liquid)								
DILUTION FACTOR*	1						02/23/1995	814
Benzene	ND		0.5	ug/L	602		02/23/1995	814
Ethylbenzene	ND		0.6	ug/L	602		02/23/1995	814
Toluene	ND		0.5	ug/L	602		02/23/1995	814
Xylenes (total)	ND		0.6	ug/L	602		02/23/1995	814
SURROGATE RESULTS	--						02/23/1995	814
1,4-Difluorobenzene (SURR)	97			% Rec.			02/23/1995	814
1,4-Dichlorobutane (SURR)	106			% Rec.			02/23/1995	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 02/15/1995
Time Taken: 11:10
NET Sample No: 236253

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
METHOD 8270(GCMS,Liquid)						02/20/1995		
DILUTION FACTOR*	1						02/21/1995	673
Acenaphthene	ND		10	ug/L	8270		02/21/1995	673
Acenaphthylene	ND		10	ug/L	8270		02/21/1995	673
Aldrin	ND		50	ug/L	8270		02/21/1995	673
Anthracene	ND		10	ug/L	8270		02/21/1995	673
Benzidine	ND		44	ug/L	8270		02/21/1995	673
Benzo(a)anthracene	ND		10	ug/L	8270		02/21/1995	673
Benzo(b)fluoranthene	ND		10	ug/L	8270		02/21/1995	673
Benzo(k)fluoranthene	ND		10	ug/L	8270		02/21/1995	673
Benzo(a)pyrene	ND		10	ug/L	8270		02/21/1995	673
Benzo(g,h,i)perylene	ND		10	ug/L	8270		02/21/1995	673
Benzoic acid	ND		50	ug/L	8270		02/21/1995	673
Benzyl alcohol	ND		10	ug/L	8270		02/21/1995	673
Butyl benzyl phthalate	ND		10	ug/L	8270		02/21/1995	673
delta-BHC	ND		50	ug/L	8270		02/21/1995	673
gamma-BHC	ND		50	ug/L	8270		02/21/1995	673
bis(2-Chloroethyl)ether	ND		10	ug/L	8270		02/21/1995	673
bis(2-Chloroethoxy)methane	ND		10	ug/L	8270		02/21/1995	673
bis(2-Chloroisopropyl)ether	ND		10	ug/L	8270		02/21/1995	673
bis(2-Ethylhexyl)phthalate	ND		10	ug/L	8270		02/21/1995	673
4-Bromophenyl phenyl ether	ND		10	ug/L	8270		02/21/1995	673
4-Chloroaniline	ND		10	ug/L	8270		02/21/1995	673
2-Chloronaphthalene	ND		10	ug/L	8270		02/21/1995	673
4-Chlorophenyl phenyl ether	ND		10	ug/L	8270		02/21/1995	673
Chrysene	ND		10	ug/L	8270		02/21/1995	673
4,4'-DDD	ND		50	ug/L	8270		02/21/1995	673
4,4'-DDE	ND		50	ug/L	8270		02/21/1995	673
4,4'-DDT	ND		50	ug/L	8270		02/21/1995	673
Dibenzo(a,h)anthracene	ND		10	ug/L	8270		02/21/1995	673
Dibenzofuran	ND		10	ug/L	8270		02/21/1995	673
Di-n-butylphthalate	ND		10	ug/L	8270		02/21/1995	673
1,2-Dichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
1,3-Dichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
1,4-Dichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
3,3'-Dichlorobenzidine	ND		20	ug/L	8270		02/21/1995	673
Dieldrin	ND		50	ug/L	8270		02/21/1995	673
Diethylphthalate	ND		10	ug/L	8270		02/21/1995	673
Dimethyl phthalate	ND		10	ug/L	8270		02/21/1995	673
2,4-Dinitrotoluene	ND		10	ug/L	8270		02/21/1995	673
2,6-Dinitrotoluene	ND		10	ug/L	8270		02/21/1995	673
Di-n-octyl phthalate	ND		10	ug/L	8270		02/21/1995	673
Endrin aldehyde	ND		50	ug/L	8270		02/21/1995	673
Fluoranthene	ND		10	ug/L	8270		02/21/1995	673
Fluorene	ND		10	ug/L	8270		02/21/1995	673
Heptachlor	ND		50	ug/L	8270		02/21/1995	673

Ref: GI Trucking/San Leandro, CA/Job No. 88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 02/15/1995
Time Taken: 11:10
NET Sample No: 236253

Parameter	Results	Flags	Reporting Limit	Units	Method	Date Extracted	Date Analyzed	Run Batch No.
Heptachlor epoxide	ND		50	ug/L	8270		02/21/1995	673
Hexachlorobenzene	ND		10	ug/L	8270		02/21/1995	673
Hexachlorobutadiene	ND		10	ug/L	8270		02/21/1995	673
Hexachlorocyclopentadiene	ND		10	ug/L	8270		02/21/1995	673
Hexachloroethane	ND		10	ug/L	8270		02/21/1995	673
Indeno(1,2,3-cd)pyrene	ND		10	ug/L	8270		02/21/1995	673
Isophorone	ND		10	ug/L	8270		02/21/1995	673
2-Methylnaphthalene	ND		10	ug/L	8270		02/21/1995	673
Naphthalene	ND		10	ug/L	8270		02/21/1995	673
2-Nitroaniline	ND		50	ug/L	8270		02/21/1995	673
3-Nitroaniline	ND		50	ug/L	8270		02/21/1995	673
4-Nitroaniline	ND		50	ug/L	8270		02/21/1995	673
Nitrobenzene	ND		10	ug/L	8270		02/21/1995	673
N-Nitroso-Di-N-propylamine	ND		10	ug/L	8270		02/21/1995	673
N-Nitrosodiphenylamine	ND		10	ug/L	8270		02/21/1995	673
Phenanthrene	ND		10	ug/L	8270		02/21/1995	673
Pyrene	ND		10	ug/L	8270		02/21/1995	673
1,2,4-Trichlorobenzene	ND		10	ug/L	8270		02/21/1995	673
ACID EXTRACTABLES	--						02/21/1995	673
4-Chloro-3-methylphenol	ND		10	ug/L	8270		02/21/1995	673
2-Chlorophenol	ND		10	ug/L	8270		02/21/1995	673
2,4-Dichlorophenol	ND		10	ug/L	8270		02/21/1995	673
2,4-Dimethylphenol	ND		10	ug/L	8270		02/21/1995	673
2,4-Dinitrophenol	ND		50	ug/L	8270		02/21/1995	673
4,6-Dinitro-2-methylphenol	ND		50	ug/L	8270		02/21/1995	673
2-Nitrophenol	ND		10	ug/L	8270		02/21/1995	673
4-Nitrophenol	ND		50	ug/L	8270		02/21/1995	673
Pentachlorophenol	ND		50	ug/L	8270		02/21/1995	673
Phenol	ND		10	ug/L	8270		02/21/1995	673
2,4,6-Trichlorophenol	ND		10	ug/L	8270		02/21/1995	673
2-Methylphenol	ND		10	ug/L	8270		02/21/1995	673
4-Methylphenol	ND		10	ug/L	8270		02/21/1995	673
2,4,5-Trichlorophenol	ND		50	ug/L	8270		02/21/1995	673
SURROGATE RESULTS	--						02/21/1995	673
Nitrobenzene-d5 (SURR)	84			% Rec.	8270		02/21/1995	673
2-Fluorobiphenyl (SURR)	69			% Rec.	8270		02/21/1995	673
p-Terphenyl-d14 (SURR)	34			% Rec.	8270		02/21/1995	673
Phenol-d5 (SURR)	37			% Rec.	8270		02/21/1995	673
2-Fluorophenol (SURR)	52			% Rec.	8270		02/21/1995	673
2,4,6-Tribromophenol (SURR)	83			% Rec.	8270		02/21/1995	673

Ref: GI Trucking/San Leandro, CA/Job No. 88288

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
Oil & Grease (IR,TRPH)	105.0	16.8	16.0	mg/L	02/21/1995	shr	276
METHOD 6010 (LIQUID)	100.0	1	1		02/27/1995	rpc	873
Cadmium (ICP)	98.8	0.9879	1.00	mg/L	02/27/1995	rpc	710
Chromium (ICP)	104.2	1.042	1.00	mg/L	02/27/1995	rpc	668
Lead (GFAA)	106.8	0.02669	0.0250	mg/L	02/26/1995	ket	620
Nickel (ICP)	98.5	0.9852	1.00	mg/L	02/27/1995	rpc	666
Zinc (ICP)	99.5	0.9946	1.00	mg/L	02/27/1995	rpc	838
METHOD M8015 (EXT., Liquid)							
as Diesel	98.5	985	1000	mg/L	02/21/1995	tdn	930
as Motor Oil	96.9	969	1000	mg/L	02/21/1995	tdn	930

Ref: GI Trucking/San Leandro, CA/Job No. 88288

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 601 (GC,Liquid)							
Bromodichloromethane	106.0	21.2	20.0	ug/L	02/22/1995	ltg	814
Bromoform	112.0	22.4	20.0	ug/L	02/22/1995	ltg	814
Bromomethane	97.5	19.5	20.0	ug/L	02/22/1995	ltg	814
Carbon tetrachloride	105.5	21.1	20.0	ug/L	02/22/1995	ltg	814
Chlorobenzene	113.0	22.6	20.0	ug/L	02/22/1995	ltg	814
Chloroethane	97.0	19.4	20.0	ug/L	02/22/1995	ltg	814
2-Chloroethylvinyl ether	251.0	50.2	20.0	ug/L	02/22/1995	ltg	814
Chloroform	106.5	21.3	20.0	ug/L	02/22/1995	ltg	814
Chloromethane	98.5	19.7	20.0	ug/L	02/22/1995	ltg	814
Dibromochloromethane	114.0	22.8	20.0	ug/L	02/22/1995	ltg	814
1,2-Dichlorobenzene	104.5	20.9	20.0	ug/L	02/22/1995	ltg	814
1,3-Dichlorobenzene	99.0	19.8	20.0	ug/L	02/22/1995	ltg	814
1,4-Dichlorobenzene	105.5	21.1	20.0	ug/L	02/22/1995	ltg	814
Dichlorodifluoromethane	87.0	17.4	20.0	ug/L	02/22/1995	ltg	814
1,1-Dichloroethane	109.5	21.9	20.0	ug/L	02/22/1995	ltg	814
1,2-Dichloroethane	109.0	21.8	20.0	ug/L	02/22/1995	ltg	814
1,1-Dichloroethene	90.5	18.1	20.0	ug/L	02/22/1995	ltg	814
trans-1,2-Dichloroethene	102.0	20.4	20.0	ug/L	02/22/1995	ltg	814
1,2-Dichloropropane	109.5	21.9	20.0	ug/L	02/22/1995	ltg	814
cis-1,3-Dichloropropene	108.5	21.7	20.0	ug/L	02/22/1995	ltg	814
trans-1,3-Dichloropropene	110.5	22.1	20.0	ug/L	02/22/1995	ltg	814
Methylene chloride	110.5	22.1	20.0	ug/L	02/22/1995	ltg	814
1,1,2,2-Tetrachloroethane	108.0	21.6	20.0	ug/L	02/22/1995	ltg	814
Tetrachloroethene	102.5	20.5	20.0	ug/L	02/22/1995	ltg	814
1,1,1-Trichloroethane	108.0	21.6	20.0	ug/L	02/22/1995	ltg	814
1,1,2-Trichloroethane	108.0	21.6	20.0	ug/L	02/22/1995	ltg	814
Trichloroethene	107.5	21.5	20.0	ug/L	02/22/1995	ltg	814
Trichlorofluoromethane	92.5	18.5	20.0	ug/L	02/22/1995	ltg	814
Vinyl chloride	97.0	19.4	20.0	ug/L	02/22/1995	ltg	814
1,4-Difluorobenzene (SURR)	108.0	108	100	% Rec.	02/22/1995	ltg	814
1,4-Dichlorobutane (SURR)	114.0	114	100	% Rec.	02/22/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 601 (GC,Liquid)							
Bromodichloromethane	103.0	20.6	20.0	ug/L	02/23/1995	ltg	814
Bromoform	112.5	22.5	20.0	ug/L	02/23/1995	ltg	814
Bromomethane	117.5	23.5	20.0	ug/L	02/23/1995	ltg	814
Carbon tetrachloride	101.0	20.2	20.0	ug/L	02/23/1995	ltg	814
Chlorobenzene	111.0	22.2	20.0	ug/L	02/23/1995	ltg	814
Chloroethane	112.5	22.5	20.0	ug/L	02/23/1995	ltg	814
2-Chloroethylvinyl ether	103.5	20.7	20.0	ug/L	02/23/1995	ltg	814
Chloroform	102.0	20.4	20.0	ug/L	02/23/1995	ltg	814
Chloromethane	129.0	25.8	20.0	ug/L	02/23/1995	ltg	814
Dibromochloromethane	108.5	21.7	20.0	ug/L	02/23/1995	ltg	814
1,2-Dichlorobenzene	108.5	21.7	20.0	ug/L	02/23/1995	ltg	814
1,3-Dichlorobenzene	100.0	20.0	20.0	ug/L	02/23/1995	ltg	814
1,4-Dichlorobenzene	107.0	21.4	20.0	ug/L	02/23/1995	ltg	814
Dichlorodifluoromethane	128.0	25.6	20.0	ug/L	02/23/1995	ltg	814
1,1-Dichloroethane	111.0	22.2	20.0	ug/L	02/23/1995	ltg	814
1,2-Dichloroethane	102.0	20.4	20.0	ug/L	02/23/1995	ltg	814
1,1-Dichloroethene	95.0	19.0	20.0	ug/L	02/23/1995	ltg	814
trans-1,2-Dichloroethene	104.5	20.9	20.0	ug/L	02/23/1995	ltg	814
1,2-Dichloropropane	98.5	19.7	20.0	ug/L	02/23/1995	ltg	814
cis-1,3-Dichloropropene	101.5	20.3	20.0	ug/L	02/23/1995	ltg	814
trans-1,3-Dichloropropene	105.5	21.1	20.0	ug/L	02/23/1995	ltg	814
Methylene chloride	121.0	24.2	20.0	ug/L	02/23/1995	ltg	814
1,1,2,2-Tetrachloroethane	104.5	20.9	20.0	ug/L	02/23/1995	ltg	814
Tetrachloroethene	99.5	19.9	20.0	ug/L	02/23/1995	ltg	814
1,1,1-Trichloroethane	102.0	20.4	20.0	ug/L	02/23/1995	ltg	814
1,1,2-Trichloroethane	99.0	19.8	20.0	ug/L	02/23/1995	ltg	814
Trichloroethene	102.5	20.5	20.0	ug/L	02/23/1995	ltg	814
Trichlorofluoromethane	105.0	21.0	20.0	ug/L	02/23/1995	ltg	814
Vinyl chloride	109.0	21.8	20.0	ug/L	02/23/1995	ltg	814
1,4-Difluorobenzene (SURR)	101.0	101	100	% Rec.	02/23/1995	ltg	814
1,4-Dichlorobutane (SURR)	110.0	110	100	% Rec.	02/23/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 602 (GC,Liquid)							
Benzene	97.0	19.4	20.0	ug/L	02/22/1995	ltg	814
Ethylbenzene	96.0	19.2	20.0	ug/L	02/22/1995	ltg	814
Toluene	96.0	19.2	20.0	ug/L	02/22/1995	ltg	814
Xylenes (total)	95.0	57.0	60.0	ug/L	02/22/1995	ltg	814
1,4-Difluorobenzene (SURR)	108.0	108	100	% Rec.	02/22/1995	ltg	814
1,4-Dichlorobutane (SURR)	114.0	114	100	% Rec.	02/22/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 602 (GC,Liquid)							
Benzene	93.5	18.7	20.0	ug/L	02/23/1995	ltg	814
Ethylbenzene	92.0	18.4	20.0	ug/L	02/23/1995	ltg	814
Toluene	92.0	18.4	20.0	ug/L	02/23/1995	ltg	814
Xylenes (total)	91.7	55.0	60.0	ug/L	02/23/1995	ltg	814
1,4-Difluorobenzene (SURR)	101.0	101	100	% Rec.	02/23/1995	ltg	814
1,4-Dichlorobutane (SURR)	110.0	110	100	% Rec.	02/23/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

CONTINUING CALIBRATION VERIFICATION STANDARD REPORT

Parameter	CCV Standard % Recovery	CCV Standard Amount Found	CCV Standard Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 8270(GCMS,Liquid)							
Acenaphthene	108.0	54.0	50.0	ug/L	02/21/1995	sjg	673
Benzo(a)pyrene	84.0	42.0	50.0	ug/L	02/21/1995	sjg	673
1,4-Dichlorobenzene	116.0	58.0	50.0	ug/L	02/21/1995	sjg	673
Di-n-octyl phthalate	116.0	58.0	50.0	ug/L	02/21/1995	sjg	673
Fluoranthene	111.0	55.5	50.0	ug/L	02/21/1995	sjg	673
Hexachlorobutadiene	91.0	45.5	50.0	ug/L	02/21/1995	sjg	673
N-Nitrosodiphenylamine	125.0	62.5	50.0	ug/L	02/21/1995	sjg	673
4-Chloro-3-methylphenol	97.0	48.5	50.0	ug/L	02/21/1995	sjg	673
2,4-Dichlorophenol	109.0	54.5	50.0	ug/L	02/21/1995	sjg	673
2-Nitrophenol	108.0	54.0	50.0	ug/L	02/21/1995	sjg	673
Pentachlorophenol	90.0	45.0	50.0	ug/L	02/21/1995	sjg	673
Phenol	99.0	49.5	50.0	ug/L	02/21/1995	sjg	673
2,4,6-Trichlorophenol	102.0	51.0	50.0	ug/L	02/21/1995	sjg	673
Nitrobenzene-d5 (SURR)	90.0	90	100	% Rec.	02/21/1995	sjg	673
2-Fluorobiphenyl (SURR)	110.0	110	100	% Rec.	02/21/1995	sjg	673
p-Terphenyl-d14 (SURR)	105.0	105	100	% Rec.	02/21/1995	sjg	673
Phenol-d5 (SURR)	99.0	99	100	% Rec.	02/21/1995	sjg	673
2-Fluorophenol (SURR)	106.0	106	100	% Rec.	02/21/1995	sjg	673
2,4,6-Tribromophenol (SURR)	71.0	71	100	% Rec.	02/21/1995	sjg	673

Ref: GI Trucking/San Leandro, CA/Job No. 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
Oil & Grease (IR,TRPH)	ND	5	mg/L	02/21/1995	shr	276
Cadmium (ICP)	ND	0.02	mg/L	02/27/1995	rpc	710
Chromium (ICP)	ND	0.02	mg/L	02/27/1995	rpc	668
Lead (GFAA)	ND	0.002	mg/L	02/26/1995	ket	620
Nickel (ICP)	ND	0.05	mg/L	02/27/1995	rpc	666
Zinc (ICP)	ND	0.05	mg/L	02/27/1995	rpc	838
METHOD 5030/M8015						
as Gasoline	ND	0.05	mg/L	02/19/1995	aal	2597
Bromofluorobenzene (SURR)	79		% Rec.	02/19/1995	aal	2597
METHOD M8015 (EXT., Liquid)						
as Diesel	ND	0.05	mg/L	02/21/1995	tdn	930
as Motor Oil	ND	0.5	mg/L	02/21/1995	tdn	930

Ref: GI Trucking/San Leandro, CA/Job No. 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 601 (GC,Liquid)						
Bromodichloromethane	ND	0.4	ug/L	02/22/1995	ltg	814
Bromoform	ND	0.4	ug/L	02/22/1995	ltg	814
Bromomethane	ND	0.4	ug/L	02/22/1995	ltg	814
Carbon tetrachloride	ND	0.4	ug/L	02/22/1995	ltg	814
Chlorobenzene	ND	0.4	ug/L	02/22/1995	ltg	814
Chloroethane	ND	0.4	ug/L	02/22/1995	ltg	814
2-Chloroethylvinyl ether	ND	1.0	ug/L	02/22/1995	ltg	814
Chloroform	ND	0.4	ug/L	02/22/1995	ltg	814
Chloromethane	ND	0.4	ug/L	02/22/1995	ltg	814
Dibromochloromethane	ND	0.4	ug/L	02/22/1995	ltg	814
1,2-Dichlorobenzene	ND	0.4	ug/L	02/22/1995	ltg	814
1,3-Dichlorobenzene	ND	0.4	ug/L	02/22/1995	ltg	814
1,4-Dichlorobenzene	ND	0.4	ug/L	02/22/1995	ltg	814
Dichlorodifluoromethane	ND	0.4	ug/L	02/22/1995	ltg	814
1,1-Dichloroethane	ND	0.4	ug/L	02/22/1995	ltg	814
1,2-Dichloroethane	ND	0.4	ug/L	02/22/1995	ltg	814
1,1-Dichloroethene	ND	0.4	ug/L	02/22/1995	ltg	814
trans-1,2-Dichloroethene	ND	0.4	ug/L	02/22/1995	ltg	814
1,2-Dichloropropane	ND	0.4	ug/L	02/22/1995	ltg	814
cis-1,3-Dichloropropene	ND	0.4	ug/L	02/22/1995	ltg	814
trans-1,3-Dichloropropene	ND	0.4	ug/L	02/22/1995	ltg	814
Methylene chloride	ND	10	ug/L	02/22/1995	ltg	814
1,1,2,2-Tetrachloroethane	ND	0.4	ug/L	02/22/1995	ltg	814
Tetrachloroethene	ND	0.4	ug/L	02/22/1995	ltg	814
1,1,1-Trichloroethane	ND	0.4	ug/L	02/22/1995	ltg	814
1,1,2-Trichloroethane	ND	0.4	ug/L	02/22/1995	ltg	814
Trichloroethene	ND	0.4	ug/L	02/22/1995	ltg	814
Trichlorofluoromethane	ND	0.4	ug/L	02/22/1995	ltg	814
Vinyl chloride	ND	0.4	ug/L	02/22/1995	ltg	814
1,4-Difluorobenzene (SURR)	105		% Rec.	02/22/1995	ltg	814
1,4-Dichlorobutane (SURR)	84		% Rec.	02/22/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 601 (GC,Liquid)						
Bromodichloromethane	ND	0.4	ug/L	02/23/1995	ltg	814
Bromoform	ND	0.4	ug/L	02/23/1995	ltg	814
Bromomethane	ND	0.4	ug/L	02/23/1995	ltg	814
Carbon tetrachloride	ND	0.4	ug/L	02/23/1995	ltg	814
Chlorobenzene	ND	0.4	ug/L	02/23/1995	ltg	814
Chloroethane	ND	0.4	ug/L	02/23/1995	ltg	814
2-Chloroethylvinyl ether	ND	1.0	ug/L	02/23/1995	ltg	814
Chloroform	ND	0.4	ug/L	02/23/1995	ltg	814
Chloromethane	ND	0.4	ug/L	02/23/1995	ltg	814
Dibromochloromethane	ND	0.4	ug/L	02/23/1995	ltg	814
1,2-Dichlorobenzene	ND	0.4	ug/L	02/23/1995	ltg	814
1,3-Dichlorobenzene	ND	0.4	ug/L	02/23/1995	ltg	814
1,4-Dichlorobenzene	ND	0.4	ug/L	02/23/1995	ltg	814
Dichlorodifluoromethane	ND	0.4	ug/L	02/23/1995	ltg	814
1,1-Dichloroethane	ND	0.4	ug/L	02/23/1995	ltg	814
1,2-Dichloroethane	ND	0.4	ug/L	02/23/1995	ltg	814
1,1-Dichloroethene	ND	0.4	ug/L	02/23/1995	ltg	814
trans-1,2-Dichloroethene	ND	0.4	ug/L	02/23/1995	ltg	814
1,2-Dichloropropane	ND	0.4	ug/L	02/23/1995	ltg	814
cis-1,3-Dichloropropene	ND	0.4	ug/L	02/23/1995	ltg	814
trans-1,3-Dichloropropene	ND	0.4	ug/L	02/23/1995	ltg	814
Methylene chloride	ND	10	ug/L	02/23/1995	ltg	814
1,1,2,2-Tetrachloroethane	ND	0.4	ug/L	02/23/1995	ltg	814
Tetrachloroethene	ND	0.4	ug/L	02/23/1995	ltg	814
1,1,1-Trichloroethane	ND	0.4	ug/L	02/23/1995	ltg	814
1,1,2-Trichloroethane	ND	0.4	ug/L	02/23/1995	ltg	814
Trichloroethene	ND	0.4	ug/L	02/23/1995	ltg	814
Trichlorofluoromethane	ND	0.4	ug/L	02/23/1995	ltg	814
Vinyl chloride	ND	0.4	ug/L	02/23/1995	ltg	814
1,4-Difluorobenzene (SURR)	105		% Rec.	02/23/1995	ltg	814
1,4-Dichlorobutane (SURR)	100		% Rec.	02/23/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 602 (GC,Liquid)						
Benzene	ND	0.5	ug/L	02/22/1995	ltg	814
Ethylbenzene	ND	0.6	ug/L	02/22/1995	ltg	814
Toluene	ND	0.5	ug/L	02/22/1995	ltg	814
Xylenes (total)	ND	0.6	ug/L	02/22/1995	ltg	814
1,4-Difluorobenzene (SURR)	105		% Rec.	02/22/1995	ltg	814
1,4-Dichlorobutane (SURR)	84		% Rec.	02/22/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 602 (GC,Liquid)						
Benzene	ND	0.5	ug/L	02/23/1995	ltg	814
Ethylbenzene	ND	0.6	ug/L	02/23/1995	ltg	814
Toluene	ND	0.5	ug/L	02/23/1995	ltg	814
Xylenes (total)	ND	0.6	ug/L	02/23/1995	ltg	814
1,4-Difluorobenzene (SURR)	105		% Rec.	02/23/1995	ltg	814
1,4-Dichlorobutane (SURR)	100		% Rec.	02/23/1995	ltg	814

Ref: GI Trucking/San Leandro, CA/Job No. 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
METHOD 8270(GCMS,Liquid)						
Acenaphthene	ND	10	ug/L	02/21/1995	sjg	673
Acenaphthylene	ND	10	ug/L	02/21/1995	sjg	673
Aldrin	ND	50	ug/L	02/21/1995	sjg	673
Anthracene	ND	10	ug/L	02/21/1995	sjg	673
Benzidine	ND	44	ug/L	02/21/1995	sjg	673
Benzo(a)anthracene	ND	10	ug/L	02/21/1995	sjg	673
Benzo(b)fluoranthene	ND	10	ug/L	02/21/1995	sjg	673
Benzo(k)fluoranthene	ND	10	ug/L	02/21/1995	sjg	673
Benzo(a)pyrene	ND	10	ug/L	02/21/1995	sjg	673
Benzo(g,h,i)perylene	ND	10	ug/L	02/21/1995	sjg	673
Benzoic acid	ND	50	ug/L	02/21/1995	sjg	673
Benzyl alcohol	ND	10	ug/L	02/21/1995	sjg	673
Butyl benzyl phthalate	ND	10	ug/L	02/21/1995	sjg	673
delta-BHC	ND	50	ug/L	02/21/1995	sjg	673
gamma-BHC	ND	50	ug/L	02/21/1995	sjg	673
bis(2-Chloroethyl)ether	ND	10	ug/L	02/21/1995	sjg	673
bis(2-Chloroethoxy)methane	ND	10	ug/L	02/21/1995	sjg	673
bis(2-Chloroisopropyl)ether	ND	10	ug/L	02/21/1995	sjg	673
bis(2-Ethylhexyl)phthalate	ND	10	ug/L	02/21/1995	sjg	673
4-Bromophenyl phenyl ether	ND	10	ug/L	02/21/1995	sjg	673
4-Chloroaniline	ND	10	ug/L	02/21/1995	sjg	673
2-Chloronaphthalene	ND	10	ug/L	02/21/1995	sjg	673
4-Chlorophenyl phenyl ether	ND	10	ug/L	02/21/1995	sjg	673
Chrysene	ND	10	ug/L	02/21/1995	sjg	673
4,4'-DDD	ND	50	ug/L	02/21/1995	sjg	673
4,4'-DDE	ND	50	ug/L	02/21/1995	sjg	673
4,4'-DDT	ND	50	ug/L	02/21/1995	sjg	673
Dibenzo(a,h)anthracene	ND	10	ug/L	02/21/1995	sjg	673
Dibenzofuran	ND	10	ug/L	02/21/1995	sjg	673
Di-n-butylphthalate	ND	10	ug/L	02/21/1995	sjg	673
1,2-Dichlorobenzene	ND	10	ug/L	02/21/1995	sjg	673
1,3-Dichlorobenzene	ND	10	ug/L	02/21/1995	sjg	673
1,4-Dichlorobenzene	ND	10	ug/L	02/21/1995	sjg	673
3,3'-Dichlorobenzidine	ND	20	ug/L	02/21/1995	sjg	673
Dieldrin	ND	50	ug/L	02/21/1995	sjg	673
Diethylphthalate	ND	10	ug/L	02/21/1995	sjg	673
Dimethyl phthalate	ND	10	ug/L	02/21/1995	sjg	673
2,4-Dinitrotoluene	ND	10	ug/L	02/21/1995	sjg	673
2,6-Dinitrotoluene	ND	10	ug/L	02/21/1995	sjg	673
Di-n-octyl phthalate	ND	10	ug/L	02/21/1995	sjg	673
Endrin aldehyde	ND	50	ug/L	02/21/1995	sjg	673
Fluoranthene	ND	10	ug/L	02/21/1995	sjg	673
Fluorene	ND	10	ug/L	02/21/1995	sjg	673
Heptachlor	ND	50	ug/L	02/21/1995	sjg	673
Heptachlor epoxide	ND	50	ug/L	02/21/1995	sjg	673
Hexachlorobenzene	ND	10	ug/L	02/21/1995	sjg	673
Hexachlorobutadiene	ND	10	ug/L	02/21/1995	sjg	673

Ref: GI Trucking/San Leandro, CA/Job No. 88288

METHOD BLANK REPORT

Parameter	Method Blank Amount Found	Reporting Limit	Units	Date Analyzed	Analyst Initials	Run Batch Number
Hexachlorocyclopentadiene	ND	10	ug/L	02/21/1995	sjg	673
Hexachloroethane	ND	10	ug/L	02/21/1995	sjg	673
Indeno(1,2,3-cd)pyrene	ND	10	ug/L	02/21/1995	sjg	673
Isophorone	ND	10	ug/L	02/21/1995	sjg	673
2-Methylnaphthalene	ND	10	ug/L	02/21/1995	sjg	673
Naphthalene	ND	10	ug/L	02/21/1995	sjg	673
2-Nitroaniline	ND	50	ug/L	02/21/1995	sjg	673
3-Nitroaniline	ND	50	ug/L	02/21/1995	sjg	673
4-Nitroaniline	ND	50	ug/L	02/21/1995	sjg	673
Nitrobenzene	ND	10	ug/L	02/21/1995	sjg	673
N-Nitroso-Di-N-propylamine	ND	10	ug/L	02/21/1995	sjg	673
N-Nitrosodiphenylamine	ND	10	ug/L	02/21/1995	sjg	673
Phenanthrene	ND	10	ug/L	02/21/1995	sjg	673
Pyrene	ND	10	ug/L	02/21/1995	sjg	673
1,2,4-Trichlorobenzene	ND	10	ug/L	02/21/1995	sjg	673
4-Chloro-3-methylphenol	ND	10	ug/L	02/21/1995	sjg	673
2-Chlorophenol	ND	10	ug/L	02/21/1995	sjg	673
2,4-Dichlorophenol	ND	10	ug/L	02/21/1995	sjg	673
2,4-Dimethylphenol	ND	10	ug/L	02/21/1995	sjg	673
2,4-Dinitrophenol	ND	50	ug/L	02/21/1995	sjg	673
4,6-Dinitro-2-methylphenol	ND	50	ug/L	02/21/1995	sjg	673
2-Nitrophenol	ND	10	ug/L	02/21/1995	sjg	673
4-Nitrophenol	ND	50	ug/L	02/21/1995	sjg	673
Pentachlorophenol	ND	50	ug/L	02/21/1995	sjg	673
Phenol	ND	10	ug/L	02/21/1995	sjg	673
2,4,6-Trichlorophenol	ND	10	ug/L	02/21/1995	sjg	673
2-Methylphenol	ND	10	ug/L	02/21/1995	sjg	673
4-Methylphenol	ND	10	ug/L	02/21/1995	sjg	673
2,4,5-Trichlorophenol	ND	50	ug/L	02/21/1995	sjg	673
Nitrobenzene-d5 (SURR)	82		% Rec.	02/21/1995	sjg	673
2-Fluorobiphenyl (SURR)	74		% Rec.	02/21/1995	sjg	673
p-Terphenyl-d14 (SURR)	75		% Rec.	02/21/1995	sjg	673
Phenol-d5 (SURR)	35		% Rec.	02/21/1995	sjg	673
2-Fluorophenol (SURR)	50		% Rec.	02/21/1995	sjg	673
2,4,6-Tribromophenol (SURR)	77		% Rec.	02/21/1995	sjg	673

Ref: GI Trucking/San Leandro, CA/Job No. 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	Run Batch	Sample Spiked
Oil & Grease (IR,TRPH)	96.8	93.8	3.1	6.34	ND	6.14	5.95	mg/L	02/21/1995	276	236177
METHOD 6010 (LIQUID)					--				02/27/1995	873	236444
Cadmium (ICP)	89.8	90.3	0.6	1.00	ND	0.8979	0.9034	mg/L	02/27/1995	710	236444
Cadmium (ICP)	89.3	90.2	1.0	1.00	ND	0.8934	0.9020	mg/L	02/27/1995	710	236680
Chromium (ICP)	97.4	97.4	0.0	1.00	0.02	0.9938	0.9938	mg/L	02/27/1995	668	236444
Chromium (ICP)	99.4	100.1	0.6	1.00	ND	0.9938	1.001	mg/L	02/27/1995	668	236680
Lead (GFAA)	112.3	109.5	2.5	0.0250	ND	0.02808	0.02738	mg/L	02/26/1995	620	236444
Nickel (ICP)	93.0	92.2	0.9	1.00	ND	0.9300	0.9222	mg/L	02/27/1995	666	236444
Nickel (ICP)	89.9	90.6	0.8	1.00	0.15	1.049	1.056	mg/L	02/27/1995	666	236680
Zinc (ICP)	89.1	87.3	2.0	1.00	0.14	1.031	1.013	mg/L	02/27/1995	838	236444
Zinc (ICP)	77.4	77.5	0.1	1.00	0.12	0.8937	0.8954	mg/L	02/27/1995	838	236680
METHOD 5030/M8015 as Gasoline	105.0	102.0	2.9	1.00	ND	1.05	1.02	mg/L	02/19/1995	2597	236252 236252
METHOD M8015 (EXT., Liquid) as Diesel	69.0	75.5	9.0	2.00	0.42	1.80	1.93	mg/L	02/21/1995	930	236039 236039

Ref: GI Trucking/San Leandro, CA/Job No. 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	Run Batch	Sample Spiked
METHOD 601 (GC,Liquid)											236380
Chlorobenzene	116.5	109.5	6.2	20.0	ND	23.3	21.9	ug/L	02/23/1995	814	236380
1,1-Dichloroethene	91.0	86.0	5.6	20.0	ND	18.2	17.2	ug/L	02/23/1995	814	236380
Trichloroethene	98.5	98.5	0.0	20.0	ND	19.7	19.7	ug/L	02/23/1995	814	236380

Ref: GI Trucking/San Leandro, CA/Job No. 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	Run Batch	Sample Spiked
METHOD 8270(GCMS,Liquid)											236252
Acenaphthene	74.0	74.0	0.0	100	ND	74	74	ug/L	02/21/1995	673	236252
1,4-Dichlorobenzene	59.0	58.0	1.7	100	ND	59	58	ug/L	02/21/1995	673	236252
2,4-Dinitrotoluene	80.0	81.0	1.2	100	ND	80	81	ug/L	02/21/1995	673	236252
N-Nitroso-Di-N-propylamine	79.0	80.0	1.3	100	ND	79	80	ug/L	02/21/1995	673	236252
Pyrene	82.0	85.0	3.6	100	ND	82	85	ug/L	02/21/1995	673	236252
1,2,4-Trichlorobenzene	63.0	62.0	1.6	100	ND	63	62	ug/L	02/21/1995	673	236252
4-Chloro-3-methylphenol	69.0	70.0	1.4	200	ND	138	140	ug/L	02/21/1995	673	236252
2-Chlorophenol	68.0	69.0	1.5	200	ND	136	138	ug/L	02/21/1995	673	236252
4-Nitrophenol	62.0	65.0	4.7	200	ND	124	130	ug/L	02/21/1995	673	236252
Pentachlorophenol	87.0	90.0	3.4	200	ND	174	180	ug/L	02/21/1995	673	236252
Phenol	45.5	47.5	4.3	200	ND	91	95	ug/L	02/21/1995	673	236252

Ref: GI Trucking/San Leandro, CA/Job No. 88288

LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	Duplicate LCS % Recovery	RPD	LCS Amount Found	Duplicate LCS Amount Found	LCS Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch
Oil & Grease (IR,TRPH)	95.9			6.14		6.40	mg/L	02/21/1995	shr	276
Oil & Grease (IR,TRPH)	92.3			5.91		6.40	mg/L	02/21/1995	shr	276
Cadmium (ICP)	90.2			0.9021		1.00	mg/L	02/27/1995	rpc	710
Chromium (ICP)	98.3			0.9835		1.00	mg/L	02/27/1995	rpc	668
Lead (GFAA)	103.5			0.02588		0.0250	mg/L	02/26/1995	ket	620
Nickel (ICP)	92.7			0.9272		1.00	mg/L	02/27/1995	rpc	666
Zinc (ICP)	89.2			0.8923		1.00	mg/L	02/27/1995	rpc	838
METHOD M8015 (EXT., Liquid) as Diesel	50.0			0.500		1.00	mg/L	02/21/1995	tdn	930

Client Name: Carolina Freight Carriers
Client Acct: 61900
NET Job No: 95.00750

Date: 03/01/1995
ELAP Cert: 1386
Page: 29

Ref: GI Trucking/San Leandro, CA/Job No. 88288

LABORATORY CONTROL SAMPLE REPORT

Parameter	LCS % Recovery	Duplicate LCS % Recovery	RPD	LCS Amount Found	Duplicate LCS Amount Found	LCS Amount Expected	Units	Date Analyzed	Analyst Initials	Run Batch
METHOD 8270(GCMS,Liquid)										
Acenaphthene	74.0			74		100	ug/L	02/21/1995	sjg	673
1,4-Dichlorobenzene	58.0			58		100	ug/L	02/21/1995	sjg	673
2,4-Dinitrotoluene	81.0			81		100	ug/L	02/21/1995	sjg	673
N-Nitroso-Di-N-propylamine	83.0			83		100	ug/L	02/21/1995	sjg	673
Pyrene	90.0			90		100	ug/L	02/21/1995	sjg	673
1,2,4-Trichlorobenzene	61.0			61		100	ug/L	02/21/1995	sjg	673
4-Chloro-3-methylphenol	76.0			152		200	ug/L	02/21/1995	sjg	673
2-Chlorophenol	71.5			143		200	ug/L	02/21/1995	sjg	673
4-Nitrophenol	36.5			73		200	ug/L	02/21/1995	sjg	673
Pentachlorophenol	85.5			171		200	ug/L	02/21/1995	sjg	673
Phenol	35.5			71		200	ug/L	02/21/1995	sjg	673
Nitrobenzene-d5 (SURR)	82.0			82		100	% Rec.	02/21/1995	sjg	673
2-Fluorobiphenyl (SURR)	73.0			73		100	% Rec.	02/21/1995	sjg	673
p-Terphenyl-d14 (SURR)	66.0			66		100	% Rec.	02/21/1995	sjg	673
Phenol-d5 (SURR)	35.0			35		100	% Rec.	02/21/1995	sjg	673
2-Fluorophenol (SURR)	53.0			53		100	% Rec.	02/21/1995	sjg	673
2,4,6-Tribromophenol (SURR)	82.0			82		100	% Rec.	02/21/1995	sjg	673

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KEY TO ABBREVIATIONS and METHOD REFERENCES

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

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

5568

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

CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

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

SAMPLERS (SIGNATURE): Steph C Mum

DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION	# OF CONTAINERS	TPH AS GASOLINE + BTXE (MOD EPA 8015/8020)	TPH AS DIESEL (MOD EPA 8015)/MO	VOC (EPA 624/8240)	SEMI-VOC (EPA 625/8270)	TRPH (EPA 418.1)	BTXE (EPA 8020/602) BTEX only	TTLC METALS: Cd, Cr, Pb, Ni, Zn	VOs (601)	TPH-g 8015			HOLD	REMARKS
2/15/95	0930		X	MW-2	15		X		X	X	X	X	X	X				02°C
2/15/95	1110		X	MW-3	15		X		X	X	X	X	X	X				04°C

REQUESTED BY: Debra Underwood

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

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
Steph C Mum	2/16/95 1540	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)
	2/16/95 1755	

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
	2/16 1650	2/16/95 1650

DATE / TIME: 2/16/95 1755

REMARKS: (NET) TEMP. RECVD: 0.2°C, 0.7°C

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