



March 18, 1992
BEI Job No. 88288

~~Mr. Larry Seto~~ *Rob*
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
Quarterly Groundwater Sampling

Dear Mr. Seto:

This letter documents the second quarter of groundwater sampling for the fourth year at the subject facility.

Four of the five existing monitoring wells (MW-2 through MW-5, Figure 1) were sampled on January 18, 1992. Well MW-1 contained a phase-separated hydrocarbon layer with a thickness of 0.094 feet. A groundwater sample was not collected from this well.

Three well-casing volumes of water were removed from each well prior to sampling. A representative groundwater sample was collected from each well with a properly decontaminated Teflon® bailer and placed in one-liter amber bottles provided by the laboratory. The Well Purging and Sampling Data forms for all wells are enclosed. 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 using modified EPA Method 8015. As indicated in the enclosed analytical report, TPH as diesel was not found in groundwater samples from wells MW-2, MW-4 and MW-5 at or above the reporting limit of 0.05 milligrams per liter (mg/l). TPH as diesel was detected at a concentration of 0.89 mg/l in well MW-3. According to NET Pacific "the positive result for the TPH as diesel analysis on this sample appears to be a heavier hydrocarbon than diesel."

TPH as diesel was first detected in the groundwater sample from well MW-3 collected in February 1990, and, except in December 1990, has been detected in all groundwater samples from this well since February 1990, at concentrations ranging

Mr. Larry Seto
Alameda County Health Care Services

March 20, 1992
Page 2

from 0.24 ppm to 1.3 ppm. TPH as diesel has not been detected in any groundwater samples from wells MW-2, MW-4 and MW-5. Blymyer Engineers will continue to perform quarterly groundwater sampling for wells MW-2 through MW-5 this year.

If you have any questions, please contact John Morrison at (510) 521-3773.

Cordially,

Blymyer Engineers, Inc.



John Morrison
Geologist



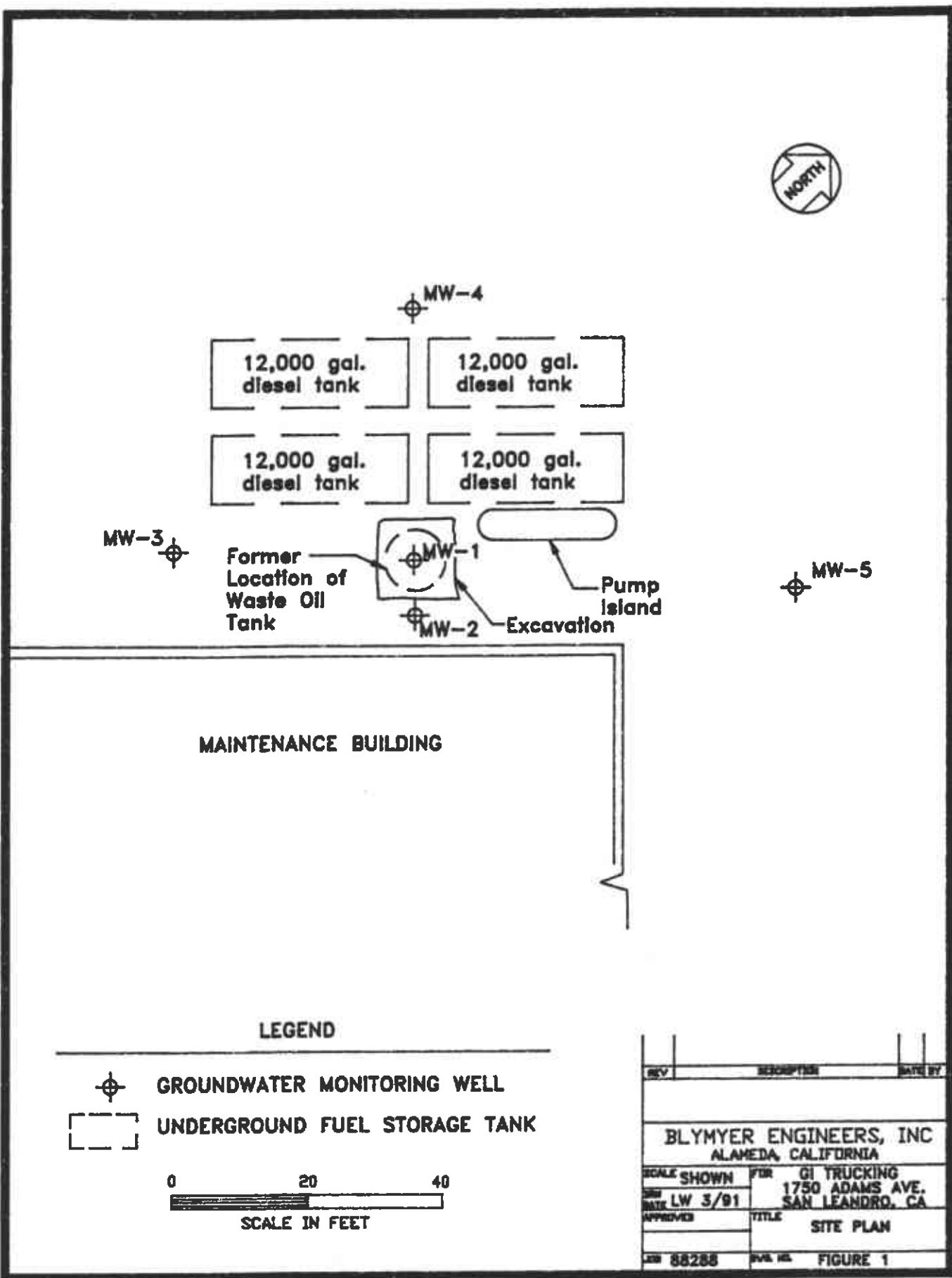
Harry Short, R.G., C.E.G.
Senior Geologist

Enclosures


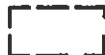
cc: Mr. Eddie So, Regional Water Quality Control Board
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. Curtis Carr, Carolina Freight Carriers Corporation
Mr. Bob Hogancamp, GI Trucking Company
Mr. Tom McGuire, GI Trucking Company



df\88288qm2.rpt



LEGEND

-  GROUNDWATER MONITORING WELL
-  UNDERGROUND FUEL STORAGE TANK



REV	DESCRIPTION	DATE BY
BLYMYER ENGINEERS, INC ALAMEDA, CALIFORNIA		
SCALE SHOWN	FOR	GI TRUCKING
DATE LW 3/91		1750 ADAMS AVE. SAN LEANDRO, CA
APPROVED	TITLE	SITE PLAN
JOB 88288	DWG. NO.	FIGURE 1

WELL PURGING AND SAMPLING DATA

DATE 2/18/92 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-1 BORING DIAMETER N/A CASING DIAMETER 12"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>4.094 FT</u>	Gallon per foot of casing	=	<u>N/A</u>
Depth to water	<u>4.188 FT</u>	Column of water	x	<u> </u>
Total depth of well	<u>?</u>	Volume of casing	=	<u> </u>
Column of water	<u>N/A</u>	Number of volumes to remove	x	<u> </u>
		Total volume to remove	=	<u>N/A</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well N/A rate N/A

Method of decon ALCONOX AND DISTILLED WATER-TRIPLE RINSE

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

Initial
 During
 Final

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u> </u>	<u> </u>	<u> </u>
Temperature (F)	<u> </u>	<u> </u>	<u> </u>
Conductivity (us/cm)	<u>N/A</u>	<u> </u>	<u> </u>
Ph	<u> </u>	<u> </u>	<u> </u>

Method of measurement

Total volume purged

Comments OBTAIN FREE PRODUCT LEVEL THICKNESS ONLY.
PRODUCT LAYER = 1-1/8 INCH = 0.094 FT

Sample Number N/A Amount of Sample N/A

Signed/Sampler *Steph W Mac* Date 2/18/92
 Signed/Reviewer *John Mac* Date

WELL PURGING AND SAMPLING DATA

DATE 2/18/92 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-2 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>	<u>Volume to be Removed</u>
Depth to product <u>N/A</u>	Gallon per foot of casing = <u>0.17 GAL/FT</u>
<u>4.96 FT</u>	Column of water x <u>18.29 FT</u>
Depth to water _____	Volume of casing = <u>3.1 GAL</u>
<u>23.25 FT</u>	Number of volumes to remove x <u>3</u>
Total depth of well _____	Total volume to remove = <u>9.3 GAL</u>
Column of water <u>18.29 FT</u>	

Method of measuring liquid OIL/WATER INTERFACE PROBE
 Method of purging well TEFLON BAILER rate N/A
 Method of decon ALCONOX 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

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>12:02</u>	<u>12:08</u>	<u>12:14</u>
Temperature (F)	<u>61.5</u>	<u>63.2</u>	<u>62.7</u>
Conductivity (us/cm)	<u>818</u>	<u>830</u>	<u>833</u>
Ph	<u>7.85</u>	<u>7.93</u>	<u>7.99</u>

Method of measurement HYDAC METER
 Total volume purged 9.5 GALLONS
 Comments _____

Sample Number MW-2 Amount of Sample 3 - 1 LITER BOTTLES

Signed/Sampler *Steph W Moore* Date 2/18/92
 Signed/Reviewer *John Moore* Date _____

WELL PURGING AND SAMPLING DATA

DATE 2/18/92 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-3 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 GAL/FT</u>
Depth to water	<u>4.73 FT</u>	Column of water	x	<u>18.02 FT</u>
Total depth of well	<u>22.75 FT</u>	Volume of casing	=	<u>3.1 GAL</u>
Column of water	<u>18.02 FT</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>9.3 GAL</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE
 Method of purging well TEFLON BAILER rate N/A
 Method of decon ALCONOX AND DISTILLED WATER

Physical appearance of water (clarity, color, particulates, odor)
 Initial CLEAR, NO SHEEN, BUT SLIGHT DIESEL ODOR
 During SLIGHTLY SILTY, BROWN COLOR, SLIGHT DIESEL ODOR
 Final SLIGHTLY SILTY, BROWN COLOR, SLIGHT DIESEL ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>12:56</u>	<u>13:01</u>	<u>13:10</u>
Temperature (F)	<u>61.2</u>	<u>63.2</u>	<u>64.0</u>
Conductivity (us/cm)	<u>911</u>	<u>1011</u>	<u>1103</u>
Ph	<u>7.83</u>	<u>7.56</u>	<u>7.38</u>

Method of measurement HYDAC METER
 Total volume purged 9.5 GALLONS
 Comments _____

Sample Number MW-3 Amount of Sample 3 - 1 LITER BOTTLES

Signed/Sampler *Steph W Moore* Date 2/18/92
 Signed/Reviewer *John Moore* Date _____

WELL PURGING AND SAMPLING DATA

DATE 2/18/92 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-4 BORING DIAMETER _____ CASING DIAMETER 2"

Column of Liquid in Well Volume to be Removed

Depth to product N/A Gallon per foot of casing = 0.17 GAL/FT
 Depth to water 3.60 FT Column of water x 19.19 FT
 Total depth of well 22.79 FT Volume of casing = 3.3 GAL
 Column of water 19.19 FT Number of volumes to remove x 3
 Total volume to remove = 9.9 GAL

Method of measuring liquid OIL/WATER INTERFACE PROBE
 Method of purging well TEFLON BAILER rate N/A
 Method of deacon ALCONOX 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

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>09:29</u>	<u>09:37</u>	<u>09:54</u>
Temperature (F)	<u>60.9</u>	<u>62.8</u>	<u>65.0</u>
Conductivity (us/cm)	<u>885</u>	<u>915</u>	<u>930</u>
Ph	<u>7.95</u>	<u>7.80</u>	<u>7.69</u>

Method of measurement HYDAC METER
 Total volume purged 10.0 GALLONS
 Comments VERY HIGH WATER TABLE THIS SAMPLING

Sample Number MW-4 Amount of Sample 3 - 1 LITER BOTTLES

Signed/Sampler Stephen W Moore Date 2/18/92
 Signed/Reviewer for Moore Date _____

WELL PURGING AND SAMPLING DATA

DATE 2/18/92 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-5 BORING DIAMETER N/A CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>		
Depth to product	<u>N/A</u>	Gallon per foot of casing	=	<u>0.17 GAL/FT</u>
Depth to water	<u>4.45 FT</u>	Column of water	x	<u>17.80 FT</u>
Total depth of well	<u>22.25 FT</u>	Volume of casing	=	<u>3.0 GAL</u>
Column of water	<u>17.80 FT</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>9.0 GAL</u>

Method of measuring liquid OIL/WATER INTERFACE PROBE
 Method of purging well TEFLON BAILER rate N/A
 Method of decon ALCONOX 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

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>10:48</u>	<u>10:55</u>	<u>11:03</u>
Temperature (F)	<u>61.9</u>	<u>62.3</u>	<u>64.1</u>
Conductivity (us/cm)	<u>887</u>	<u>904</u>	<u>962</u>
Ph	<u>7.59</u>	<u>7.76</u>	<u>7.91</u>

Method of measurement HYDAC METER
 Total volume purged 9.0 GALLONS
 Comments HIGH WATER TABLE

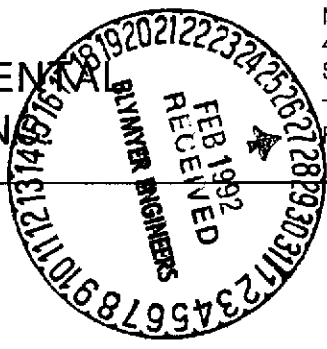
Sample Number MW-5 Amount of Sample 3 - 1 LITER BOTTLES

Signed/Sampler *Steph G Moore* Date 2/18/92
 Signed/Reviewer *John Mann* Date _____



NATIONAL ENVIRONMENTAL TESTING, INC.

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



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

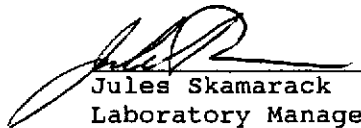
Date: 02/26/1992
NET Client Acct. No: 61900
NET Pacific Log No: 92.0805
Received: 02/18/1992

Client Reference Information

Job No. 88288, Carolina Freight, San Leandro

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

Approved by:


Jules Skamarack
Laboratory Manager

Enclosure(s)



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Log No: 92.0805

Date: 02/26/1992
Page: 2

NET Pacific, Inc

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-4
Date Taken: 02/18/1992
Time Taken: 10:10
LAB Job No: (-113955)

Parameter	Method	Reporting Limit	Results	Units
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			02-20-92	
DATE ANALYZED			02-23-92	
as Diesel	3510	0.05	ND	mg/L



NET Pacific, Inc

Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Log No: 92.0805

Date: 02/26/1992
Page: 3

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-5
Date Taken: 02/18/1992
Time Taken: 11:22
LAB Job No: (-113956)

<u>Parameter</u>	<u>Method</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			02-20-92	
DATE ANALYZED			02-23-92	
as Diesel	3510	0.05	ND	mg/L



NET Pacific, Inc

Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Log No: 92.0805

Date: 02/26/1992
Page: 4

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-2
Date Taken: 02/18/1992
Time Taken: 12:35
LAB Job No: (-113957)

<u>Parameter</u>	<u>Method</u>	<u>Reporting Limit</u>	<u>Results</u>	<u>Units</u>
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			02-20-92	
DATE ANALYZED			02-23-92	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 61900
 Client Name: Carolina Freight Carriers
 NET Log No: 92.0805

Date: 02/26/1992
 Page: 5

NET Pacific, Inc

Ref: Job No. 88288, Carolina Freight, San Leandro

SAMPLE DESCRIPTION: MW-3
 Date Taken: 02/18/1992
 Time Taken: 13:40
 LAB Job No: (-113958**)

Parameter	Method	Reporting Limit	Results	Units
METHOD 3510 (GC, FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			02-20-92	
DATE ANALYZED			02-23-92	
as Diesel	3510	0.05	0.89	mg/L

** Note: The positive result for the PETROLEUM HYDROCARBONS as Diesel analysis on this sample appears to be a heavier hydrocarbon than diesel.



NET Pacific, Inc

Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Log No: 92.0805

Date: 02/26/1992
Page: 6

Ref: Job No. 88288, Carolina Freight, San Leandro

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	0.05	mg/L	113	ND	97	102	3.3



NET Pacific, Inc

KEY TO ABBREVIATIONS and METHOD REFERENCES

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

Method References

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

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

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

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



CHAIN OF CUSTODY RECORD

3971

JOB #		PROJECT 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	TURNAROUND TIME: <u>Standard</u> DAY(S)	
SAMPLERS (SIGNATURE)		DATE	TIME	COMP	GRAB									SAMPLE NAME/LOCATION	REMARKS:
88288		Carolina Freight / San Leandro CA													
Steph W Moore															
		2/18/92	09:15		X	BR-1	2						X		
		2/18/92	10:10		X	MW-4	3	X							
		2/18/92	11:22		X	MW-5	3	X							
		2/18/92	12:35		X	MW-2	3	X							
		2/18/92	13:40		X	MW-3	3	X							
<p>COPIES OF THIS CHAIN OF CUSTODY RECORD WILL BE MAINTAINED AT THE FOLLOWING LOCATIONS:</p> <p>1. <u>Steph W Moore</u> 2/18/92</p> <p>2. <u>Steve Bennett</u> 2/18/92</p> <p>3. <u>Kemp</u> 2/19/92</p>															
REQUESTED BY: <u>John Morrison</u>						RESULTS AND INVOICE TO: <u>Carolina Freight Carriers Corp c/o Blymyer</u>									
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)					
Steph W Moore		2/18/92 15:48		Steve Bennett		Steve Bennett									
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE / TIME		REMARKS:							
(via NCS)				Kemp		2/19/92 0800									