



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
Quarterly Groundwater Sampling

Dear Mr. Seto:

This documents the second quarterly groundwater sampling for the third year at the subject facility.

Four of the five existing monitoring wells (MW-2 through MW-5, Figure 1) were sampled on March 13, 1991, in accordance with the enclosed sampling protocol. Well MW-1 contained no measurable floating product, but a strong diesel odor and an oil sheen were noted in the water from this well. A water sample was not collected from this well. A representative sample was collected from each of the other four wells using a 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 water samples were placed in a cooler with blue ice and delivered via courier to NET Pacific, Inc., a California-certified laboratory.

The water 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 samples from wells MW-2, MW-4, and MW-5 above the method detection limit of 0.05 parts per million (ppm). TPH as diesel was detected at a concentration of 1.3 ppm in well MW-3.

Mr. Larry Seto
Alameda County Health Care Services Agency

March 27, 1991
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If you have any questions, please contact me at (415) 521-3773.

Cordially,

Blymyer Engineers, Inc.

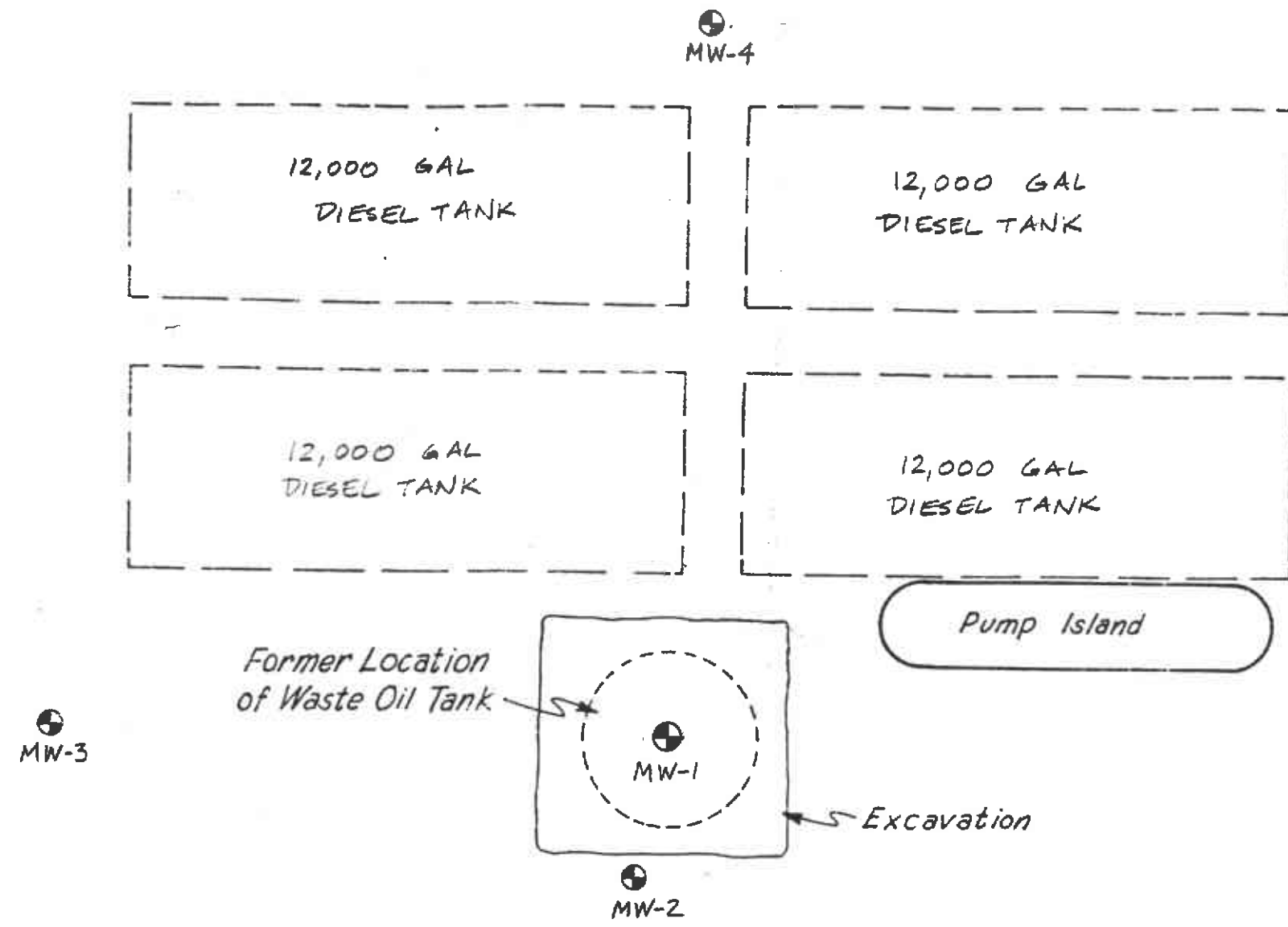
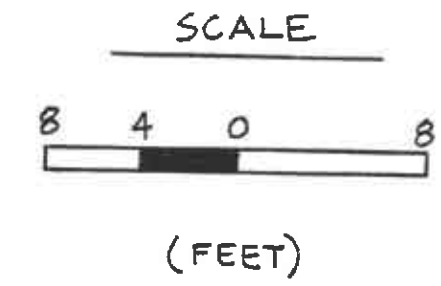
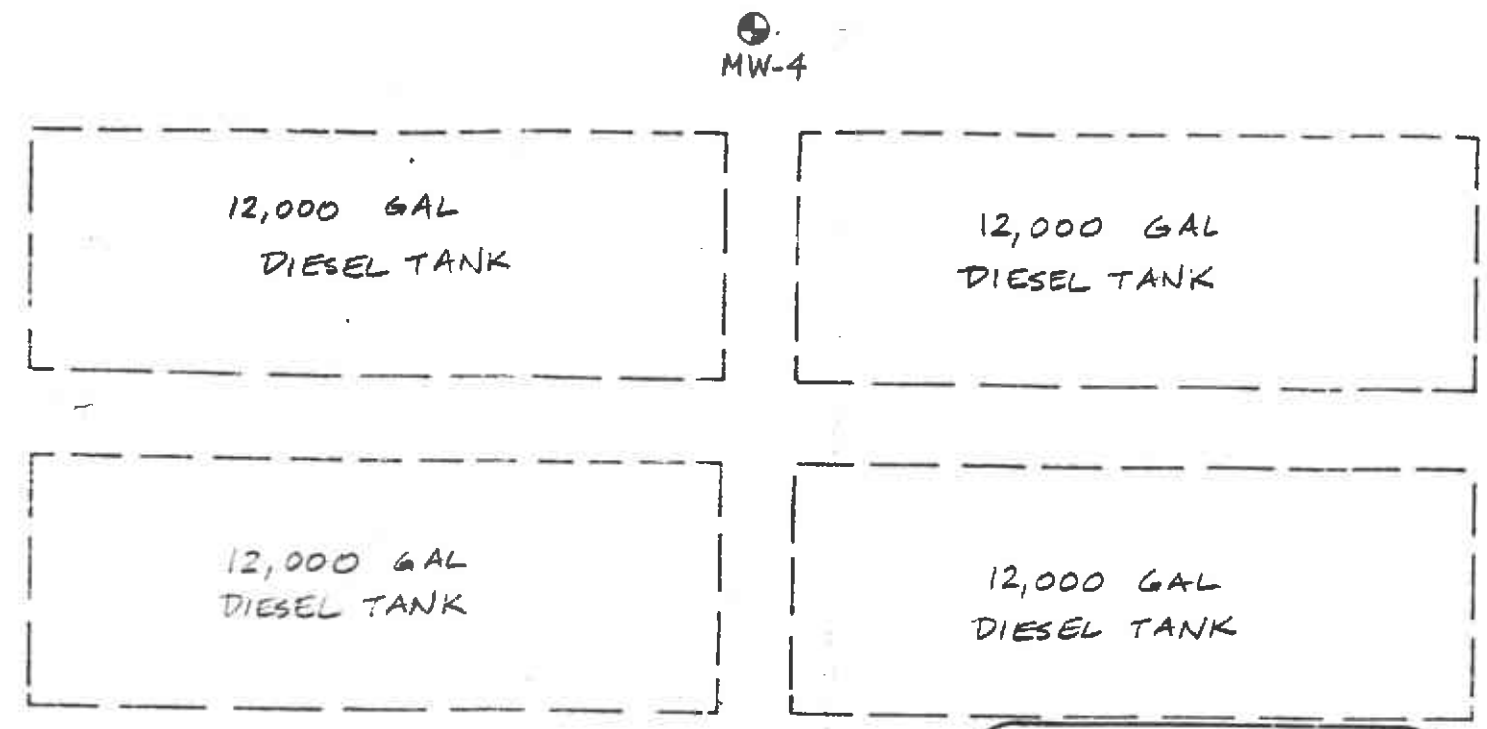


Michael S. Lewis
Manager, UST Services

Enclosures

cc: Mr. Lester Feldman, RWQCB
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. Curtis Carr, Carolina Freight Carriers Corporation
Mr. Don LaMere, GI Trucking Company
Mr. Tom McGuire, GI Trucking Company

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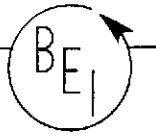
Maintenance Building



Scale: 1" = 8'-0"

GI TRUCKING
 1750 ADAMS AVE.
 SAN LEANDRO, CA

Figure No. 1 - SITE PLAN



1.0 GROUNDWATER SAMPLING PROTOCOL

1.1 Decontamination

Prior to commencing sampling or purging, all bailers, pumps, tubing, cables and lines will be decontaminated. Decontamination will include trisodium phosphate wash, tap water rinse and deionized water final rinse. A bailer blank will be taken after initial decontamination is performed. The bailer blank is obtained by filling the bailer with deionized water and transferring the water into appropriate containers. The sample is to be labelled "Bailer Blank" and "Hold" is to be indicated in the analysis sections of the label and the Chain of Custody Record.

All equipment will be thoroughly decontaminated after sampling each well.

1.2 Gauging

Each well will be gauged prior to purging. An oil/water interface probe will be used to determine the depth to water, depth to product and total well depth. The data collected will be recorded on the Groundwater Monitoring Data form. The interface probe and tape will be decontaminated prior to gauging each well.

1.3 Purging

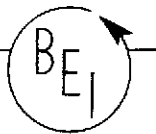
The well will be bailed or pumped to remove at least three well casing volumes prior to sampling or until the pH, temperature and conductivity have stabilized. "Stabilized" is defined as three consecutive readings within 15 percent of one another. Temperature, pH and conductivity will be measured with field instruments after each well casing volume is removed. The data will be recorded on the Purge Data form. A casing volume will be based on actual measurements made on the day of sampling.

If the well is purged dry before three well casing volumes are removed, the sample will be taken when the water level in the well recovers to 80 percent of its initial water level. If the length of time for the well to recover 80 percent of its initial water level exceeds two hours, the sample will be obtained as soon as sufficient volume is available.

All water purged from the well will be placed in labelled, 55 gallon closed-top drums.

BEI

FIELD SERVICES



1.4 Sampling

Following the removal of the required volume from the well, the sample will be obtained with a clean, teflon or stainless steel bailer. All samples will be logged on the Chain of Custody Record form. Samples will be placed in appropriate containers provided by the laboratory. Labels specifying project name, project number, date, sample identification, sampler, and analytical parameters will be affixed to each sample container. The samples will be placed in a cooler with dry or blue ice for delivery to the analytical laboratory.

WELL PURGING AND SAMPLING DATA

DATE: 3/13/91 PROJECT NUMBER: 88288 PROJECT NAME: G1-SAN LEANDRO

WELL NUMBER MW-1 BORING DIAMETER _____ CASING DIAMETER 12"

<u>Column of Liquid in Well</u>	<u>Volume to be Removed</u>
Depth to product _____	gal per ft of casing = _____
Depth to water <u>4.94'</u>	column of water = _____
Total depth of well _____	volume of casing = _____
Column of water _____	number of volumes to remove x _____
	total volume to remove = _____

Method of measuring liquid _____
 Method of purging well _____ rate _____
 Method of decon _____

Physical appearance of water (clarity, color, particulates, odor)
 Initial Oil sheen; strong diesel odor
 During _____
 Final _____

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time _____	_____	_____	_____
Conductivity _____	_____	_____	_____
pH _____	_____	_____	_____
Temperature _____	_____	_____	_____

Method of measurement _____

Total volume purged _____

Comments Well not sampled.

Sample Number _____ Amount of Sample _____

Signed/Sampler _____ Date _____

Signed/Reviewer _____ Date _____

WELL PURGING AND SAMPLING DATA

DATE: 3/13/91 PROJECT NUMBER: 88288 PROJECT NAME: G1-SAN LEANDRO

WELL NUMBER: MW-2 BORING DIAMETER: _____ CASING DIAMETER: 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>	
Depth to product	_____	gal per ft of casing =	<u>0.17</u>
	<u>5.64'</u>	column of water =	<u>17.61'</u>
Depth to water	_____	volume of casing =	<u>2.99g</u>
	<u>23.25'</u>	number of volumes	
Total depth of well	_____	to remove	x <u>3</u>
	<u>17.61'</u>	total volume to	
Column of water	_____	remove	= <u>8.97g</u>

Method of measuring liquid Oil/water interface probe

Method of purging well Bailer rate -

Method of decon TSP/Distilled Water

Physical appearance of water (clarity, color, particulates, odor)

Initial Clear; no odor.

During Slightly silty; no odor.

Final Slightly silty; no odor.

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>10:32</u>	<u>10:36</u>	<u>10:41</u>
Conductivity	<u>853</u>	<u>819</u>	<u>907</u>
pH	<u>7.41</u>	<u>7.42</u>	<u>7.42</u>
Temperature	<u>60.8</u>	<u>58.8</u>	<u>59.8</u>

Method of measurement Hydac Meter

Total volume purged 9 gal

Comments _____

Sample Number MW-2 Amount of Sample 2-1

Signed/Sampler _____ Date _____

Signed/Reviewer _____ Date _____

WELL PURGING AND SAMPLING DATA

DATE: 3/13/91 PROJECT NUMBER: 88288 PROJECT NAME: G1-SAN LEANDRO

WELL NUMBER MW-3 BORING DIAMETER _____ CASING DIAMETER 2"

<u>Column of Liquid in Well</u>	<u>Volume to be Removed</u>
Depth to product _____	gal per ft of casing = <u>0.17</u>
Depth to water <u>5.42'</u>	column of water = <u>17.33'</u>
Total depth of well <u>22.75'</u>	volume of casing = <u>2.95gal</u>
Column of water <u>17.33'</u>	number of volumes to remove x <u>3</u>
	total volume to remove = <u>8.85gal</u>

Method of measuring liquid Oil/water interface probe.

Method of purging well Bailer rate -

Method of decon TSP/Distilled water

Physical appearance of water (clarity, color, particulates, odor)

Initial Clear; no odor.

During Very slightly silty; no odor.

Final Very slightly silty; no odor.

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>11:00</u>	<u>11:05</u>	<u>11:10</u>
Conductivity	<u>1019</u>	<u>1185</u>	<u>1216</u>
pH	<u>7.29</u>	<u>7.10</u>	<u>7.02</u>
Temperature	<u>60.3</u>	<u>63.3</u>	<u>64.7</u>

Method of measurement Hydac Meter

Total volume purged 9 gal

Comments _____

Sample Number MW-3 Amount of Sample 2-1

Signed/Sampler _____ Date _____

Signed/Reviewer _____ Date _____

WELL PURGING AND SAMPLING DATA

DATE: 3/13/91 PROJECT NUMBER: 88288 PROJECT NAME: G-1 SAN LEANDRO

WELL NUMBER MW-4 BORING DIAMETER _____ CASING DIAMETER 2"

<u>Column of Liquid in Well</u>		<u>Volume to be Removed</u>	
Depth to product	<u>-</u>	gal per ft of casing	= <u>0.17</u>
Depth to water	<u>4.39'</u>	column of water	= <u>18.4'</u>
Total depth of well	<u>22.79'</u>	volume of casing	= <u>3.13g</u>
Column of water	<u>18.4'</u>	number of volumes to remove	x <u>3</u>
		total volume to remove	= <u>9.39g</u>

Method of measuring liquid Oil/water interface probe.
 Method of purging well Bailer rate -
 Method of decon TSP/Distilled water.

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

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>9:22</u>	<u>9:27</u>	<u>9:32</u>
Conductivity	<u>1004</u>	<u>868</u>	<u>852</u>
pH	<u>7.68</u>	<u>7.48</u>	<u>7.51</u>
Temperature	<u>57.4</u>	<u>60.5</u>	<u>60.4</u>

Method of measurement Hydac Meter

Total volume purged 9.75g

Comments _____

Sample Number MW-4 Amount of Sample 2-1

Signed/Sampler _____ Date _____

Signed/Reviewer _____ Date _____

WELL PURGING AND SAMPLING DATA

DATE: 3/13/91 PROJECT NUMBER: 88288 PROJECT NAME: G1-SAN LEANDRO

WELL NUMBER MW-5 BORING DIAMETER _____ CASING DIAMETER 2"

<u>Column of Liquid in Well</u>	<u>Volume to be Removed</u>
Depth to product _____	gal per ft of casing = <u>0.17</u>
Depth to water <u>5.01'</u>	column of water = <u>17.24'</u>
Total depth of well <u>22.25'</u>	volume of casing = <u>2.93g</u>
Column of water <u>17.24'</u>	number of volumes to remove x <u>3</u>
	total volume to remove = <u>8.79g</u>

Method of measuring liquid Oil/water interface probe.

Method of purging well Bailer rate -

Method of decon TSP/Distilled Water.

Physical appearance of water (clarity, color, particulates, odor)

Initial Clear; no odor.
 During Slightly silty; no odor.
 Final Slightly silty; no odor.

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>9:56</u>	<u>10:00</u>	<u>10:05</u>
Conductivity	<u>991</u>	<u>932</u>	<u>958</u>
pH	<u>7.38</u>	<u>7.32</u>	<u>7.34</u>
Temperature	<u>62.0</u>	<u>60.8</u>	<u>60.8</u>

Method of measurement Hydac Meter

Total volume purged 9 gal

Comments _____

Sample Number MW-5 Amount of Sample 2-1

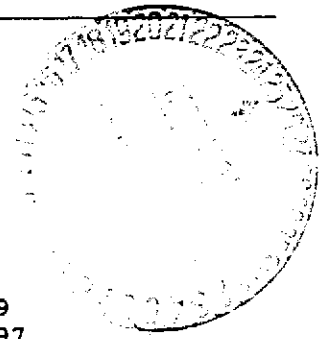
Signed/Sampler _____ Date _____

Signed/Reviewer _____ Date _____



NATIONAL
ENVIRONMENTAL
TESTING, INC.

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



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

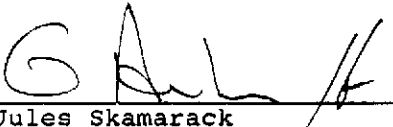
Date: 03-22-91
NET Client Acct No: 619
NET Pacific Log No: 6497
Received: 03-14-91 0800

Client Reference Information

GI-San Leandro; Project: 88288

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

Approved by:


Jules Skamarack
Laboratory Manager

JS:rct
Enclosure(s)



NET Pacific, Inc.

Client No: 619
Client Name: Carolina Freight Carriers
NET Log No: 6497

Date: 03-22-91

Page: 2

Ref: GI-San Leandro; Project: 88288

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-4	MW-5	Units
			03-13-91 0940	03-13-91 1015	
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (WATER)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			03-16-91	03-16-91	
DATE ANALYZED			03-18-91	03-18-91	
METHOD GC FID/3510			--	--	
as Diesel		0.05	ND	ND	mg/L



NET Pacific, Inc.

Client No: 619
Client Name: Carolina Freight Carriers
NET Log No: 6497

Date: 03-22-91

Page: 3

Ref: GI-San Leandro; Project: 88288

Descriptor, Lab No. and Results

Parameter	Method	Reporting Limit	MW-2	MW-3	Units
			03-13-91 1050	03-13-91 1115	
			79868	79869	
PETROLEUM HYDROCARBONS			--	--	
EXTRACTABLE (WATER)			--	--	
DILUTION FACTOR *			1	1	
DATE EXTRACTED			03-16-91	03-16-91	
DATE ANALYZED			03-18-91	03-18-91	
METHOD GC FID/3510			--	--	
as Diesel		0.05	ND	1.3	mg/L



Client Acct: 619
® Client Name: Carolina Freight Carriers
NET Log No: 6497

Date: 03-20-91
Page: 4

NET Pacific, Inc.

Ref: GI-San Leandro; Project: 88288

QUALITY CONTROL DATA

Parameter	Reporting Limits	Units	Cal Verf Stand % Recovery	Blank Data	Spike % Recovery	Duplicate Spike % Recovery	RPD
Diesel	0.05	mg/L	103	ND	56	41	32



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.

BEI Field Services

1829 Clement Avenue

Alameda, CA 94501

6497

CHAIN OF CUSTODY RECORD

PROJ NO. 88288		PROJECT NAME G1 - San Leandro			NO OF CONTAINERS	TPH as gasoline + BTXE	TPH as diesel	Oil & Grease (SMS03E)	VOC (EPA 624/8240)	Semi-VOC (EPA 625/8270)	HOLD	REMARKS
SAMPLERS. (Signature) <i>Michael S. L.</i>												
DATE	TIME	COMP.	GRAB	SAMPLE LOCATION								
3-13-91	9:15		X	BB-1	2-L						X	
3-13-91	9:40		X	MW-4	2-L	X						Standard 5-day TAT ↓
3-13-91	10:15		X	MW-5	2-L	X						
3-13-91	10:50		X	MW-2	2-L	X						
3-13-91	11:15		X	MW-3	2-L	X						
<p>CUSTODY SEALED 3/13/91</p> <p><i>(@ 19:00 J.W. real contact)</i></p>												
Relinquished by: (Signature) <i>Michael S. L.</i>		Date/Time 3/13/91 17:20		Received by: (Signature) <i>Jeff Wickle</i>		Relinquished by: (Signature) <i>Jeff Wickle</i>		Date/Time 3/13/91 19:00		Received by: (Signature)		
Relinquished by: (Signature)		Date/Time		Received by: (Signature)		Relinquished by: (Signature)		Date/Time		Received by: (Signature)		
Relinquished by: (Signature) (with NCS)		Date/Time		Received for Laboratory by: (Signature) <i>[Signature]</i>		Date/Time 3/14/91 0800		Remarks Bill to: Carolina Freight Carriers Corp. c/o Blymyer Engineers.				