



June 17, 1992
BEI Job No. 88288

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

Bob

Subject: GI Trucking Company
1750 Adams Avenue, San Leandro, CA
Quarterly Groundwater Sampling

Dear Mr. Seto:

This documents the third quarterly 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 May 15, 1992. Well MW-1 contained a phase-separated hydrocarbon layer with a thickness of 0.17 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 sample was collected from each well 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 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 samples from monitoring 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 0.38 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 from 0.24 mg/l to 1.3 mg/l. 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

Mr. Larry Seto
Alameda County Health Care Services Agency

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perform quarterly groundwater sampling for wells MW-2 through MW-5 for another quarter.

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

Cordially,

Blymyer Engineers, Inc.



John Morrison
Geologist



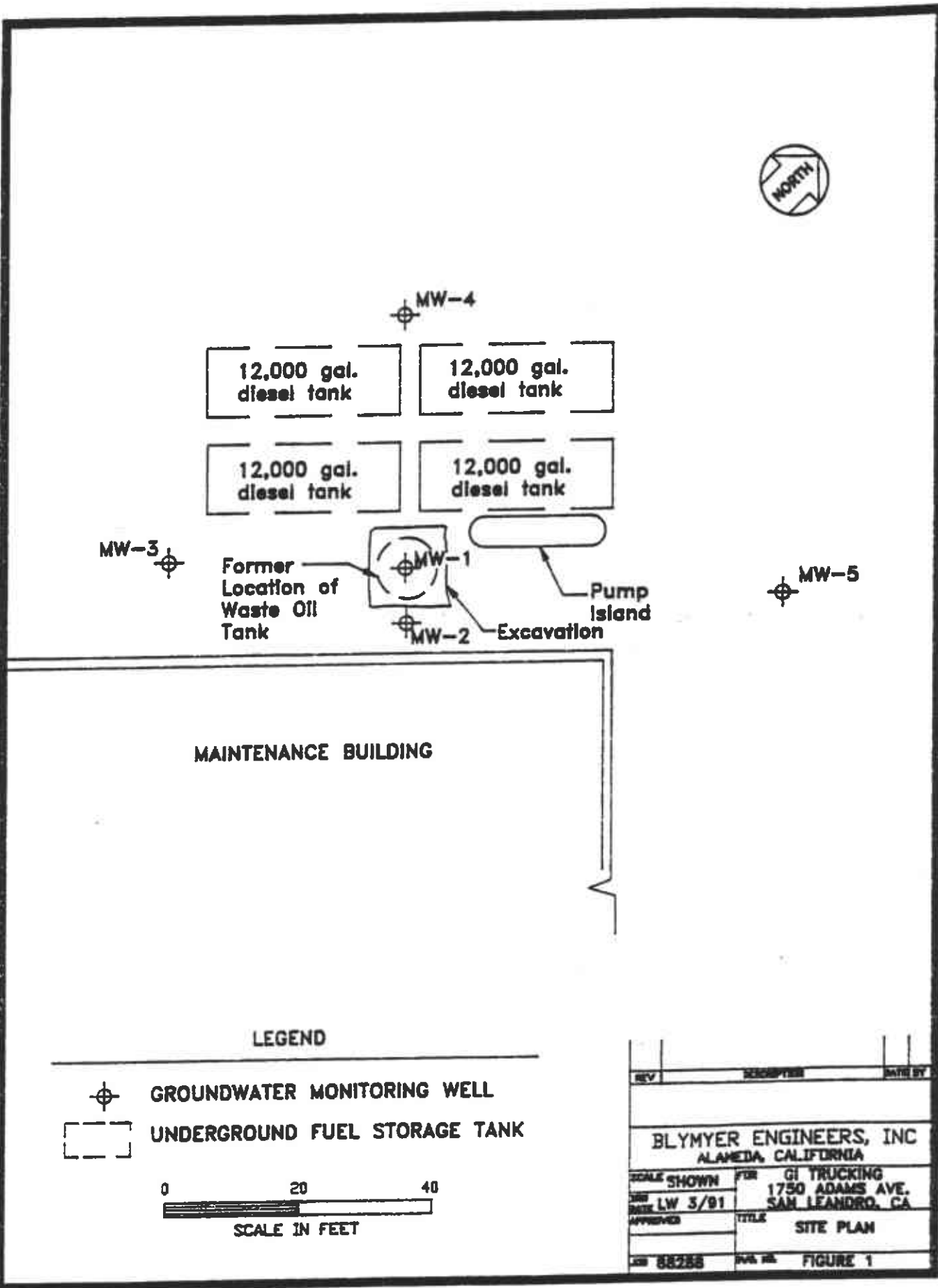
Harry Short, R.G., C.E.G.
Senior Geologist

Enclosures

cc: Mr. Eddy So, RWQCB
Mr. Mike Bakaldin, San Leandro Fire Department
Mr. Curtis Carr, Carolina Freight Carriers Corporation
Mr. Bob Hoganecamp, GI Trucking Company
Mr. Tom McGuire, GI Trucking Company



jmo\882883rd.qtr



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 5/15/92 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>5.55 FT</u>	Gallon per foot of casing	=	<u>N/A</u>
Depth to water	<u>5.72 FT</u>	Column of water	x	_____
Total depth of well	<u>N/A</u>	Volume of casing	=	_____
Column of water	<u>N/A</u>	Number of volumes to remove	x	_____
		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)
 Initial N/A
 During _____
 Final _____

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

Method of measurement N/A

Total volume purged N/A

Comments OBTAIN FREE PRODUCT LEVEL THICKNESS ONLY
PRODUCT LEVEL = 2 INCHES = 0.17 FT

Sample Number N/A Amount of Sample N/A

Signed/Sampler Stephen W Moore Date 5/15/92
 Signed/Reviewer for C. Mann Date 6-17-92

WELL PURGING AND SAMPLING DATA

DATE 5/15/92 PROJECT NUMBER 88288 PROJECT NAME CAROLINA TRUCKING
 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>
Depth to water	<u>6.07 FT</u>	Column of water	x	<u>17.18 FT</u>
Total depth of well	<u>23.25 FT</u>	Volume of casing	=	<u>2.9 GAL</u>
Column of water	<u>17.18 FT</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.7 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 SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>13:29</u>	<u>13:36</u>	<u>13:42</u>
Temperature (F)	<u>64.7</u>	<u>64.6</u>	<u>64.3</u>
Conductivity (us/cm)	<u>793</u>	<u>798</u>	<u>804</u>
Ph	<u>8.30</u>	<u>8.21</u>	<u>8.15</u>

Method of measurement HYDAC METER
 Total volume purged 9.0 GAL
 Comments _____

Sample Number MW-2 Amount of Sample 3 - 1L AMBER GLASS BOTTLES

Signed/Sampler Stephen W. Moore Date 5/15/92
 Signed/Reviewer Joe C. Marice Date _____

WELL PURGING AND SAMPLING DATA

DATE 5/15/92 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>5.99 FT</u>	Column of water	x	<u>16.76 FT</u>
Total depth of well	<u>22.75 FT</u>	Volume of casing	=	<u>2.8 GAL</u>
Column of water	<u>16.76 FT</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.4 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 SILTY, BROWN COLOR, NO ODOR
 Final SILTY, BROWN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>14:28</u>	<u>14:36</u>	<u>14:43</u>
Temperature (F)	<u>66.5</u>	<u>65.7</u>	<u>65.2</u>
Conductivity (us/cm)	<u>789</u>	<u>801</u>	<u>890</u>
Ph	<u>7.94</u>	<u>7.85</u>	<u>8.72</u>

Method of measurement HYDAC METER

Total volume purged 8.5 GAL

Comments _____

Sample Number MW-3 Amount of Sample 3 - 1L AMBER GLASS BOTTLES

Signed/Sampler *Stephen W. Moore* Date 5/15/92
 Signed/Reviewer *John C. Mann* Date 6-17-92

WELL PURGING AND SAMPLING DATA

DATE 5/15/92 PROJECT NUMBER 88288 PROJECT NAME CAROLINA FREIGHT
 WELL NUMBER MW-4 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>5.03 FT</u>	Column of water	x	<u>17.76 FT</u>
Total depth of well	<u>22.79 FT</u>	Volume of casing	=	<u>3.0 GAL</u>
Column of water	<u>17.76 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 SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>11:17</u>	<u>11:24</u>	<u>11:31</u>
Temperature (F)	<u>69.2</u>	<u>66.4</u>	<u>65.9</u>
Conductivity (us/cm)	<u>847</u>	<u>821</u>	<u>829</u>
Ph	<u>7.99</u>	<u>7.72</u>	<u>7.67</u>

Method of measurement HYDAC METER
 Total volume purged 9.0 GALLONS
 Comments _____

Sample Number MW-4 Amount of Sample 3 - 1L AMBER GLASS BOTTLES

Signed/Sampler *Steph W Moore* Date 5/15/92
 Signed/Reviewer *John C. Manise* Date 6-17-92

WELL PURGING AND SAMPLING DATA

DATE 5/15/92 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>5.33 FT</u>	Column of water	x	<u>16.92 FT</u>
Total depth of well	<u>22.25 FT</u>	Volume of casing to remove	=	<u>2.9 GAL</u>
Column of water	<u>16.92 FT</u>	Number of volumes to remove	x	<u>3</u>
		Total volume to remove	=	<u>8.7 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 SILTY, TAN COLOR, NO ODOR

<u>Field Analysis</u>	<u>Initial</u>	<u>During</u>	<u>Final</u>
Time	<u>12:18</u>	<u>12:25</u>	<u>12:33</u>
Temperature (F)	<u>66.3</u>	<u>65.1</u>	<u>64.9</u>
Conductivity (us/cm)	<u>873</u>	<u>877</u>	<u>941</u>
Ph	<u>7.69</u>	<u>7.77</u>	<u>7.91</u>

Method of measurement HYDAC METER

Total volume purged 9.0 GALLONS

Comments _____

Sample Number MW-5 Amount of Sample 3 - 1L AMBER GLASS BOTTLES

Signed/Sampler Stephen W. Moore Date 5/15/92
 Signed/Reviewer for C. Morrison Date 6-17-92



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

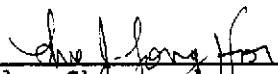
Date: 06/04/1992
NET Client Acct. No: 61900
NET Pacific Job No: 92.2790
Received: 05/19/1992

Client Reference Information

Job No. 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

Enclosure(s)



NET Pacific, Inc

Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.2790

Date: 06/04/1992
Page: 2

Ref: Job No. 88288

SAMPLE DESCRIPTION: MW-4
Date Taken: 05/15/1992
Time Taken: 11:52
LAB Job No: (-123469)

<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			05-20-92	
DATE ANALYZED			05-27-92	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.2790

Date: 06/04/1992
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NET Pacific, Inc

Ref: Job No. 88288

SAMPLE DESCRIPTION: MW-5
Date Taken: 05/15/1992
Time Taken: 12:50
LAB Job No: (-123470)

<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			05-20-92	
DATE ANALYZED			05-27-92	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.2790

Date: 06/04/1992
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NET Pacific, Inc

Ref: Job No. 88288

SAMPLE DESCRIPTION: MW-2
Date Taken: 05/15/1992 .
Time Taken: 13:57
LAB Job No: (-123471)

Parameter	Method	Reporting Limit	Results	Units
METHOD 3510 (GC,FID)				
DILUTION FACTOR*			1	
DATE EXTRACTED			05-20-92	
DATE ANALYZED			05-27-92	
as Diesel	3510	0.05	ND	mg/L



Client Acct: 61900
Client Name: Carolina Freight Carriers
NET Job No: 92.2790

Date: 06/04/1992
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NET Pacific, Inc

Ref: Job No. 88288

SAMPLE DESCRIPTION: MW-3
Date Taken: 05/15/1992
Time Taken: 15:05
LAB Job No: (-123472)

<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			05-20-92	
DATE ANALYZED			05-27-92	
as Diesel	3510	0.05	0.38 **	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 Job No: 92.2790

Date: 06/04/1992
Page: 6

Ref: Job No. 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	101	ND	80	74	15



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, 17th Edition, APHA, 1989.



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CHAIN OF CUSTODY RECORD

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)														REMARKS:	
DATE	TIME	COMP	GRAB	SAMPLE NAME/LOCATION											
5/15/92	10:53		X	BB-1	3								X		
5/15/92	11:52		X	MW-4	3	X									
5/15/92	12:50		X	MW-5	3	X									
5/15/92	13:57		X	MW-2	3	X									
5/15/92	15:05		X	MW-3	3	X									
<p>COULD NOT SEAL 5/18/92 @ 1900 MW sealant</p>															
REQUESTED BY: <u>John Morrison</u>						RESULTS AND INVOICE TO: <u>Carolina Freight Carriers Corp.</u> <u>c/o Blymyer Engineers Inc</u>									
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)		RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED BY: (SIGNATURE)					
<u>Stephen W Moore</u>		5/18/92 15:41		<u>Mike Tamami</u>		<u>Mike Tamami</u>		5/18/92 1900							
RELINQUISHED BY: (SIGNATURE)		DATE / TIME		RECEIVED FOR LABORATORY BY: (SIGNATURE)		DATE / TIME		REMARKS:							
<u>(via NCS)</u>				<u>Kemp</u>		5/19/92 0800									