BLYMYER ENGINEERS, INC.

April 6, 1993
BEI Job No. 88288

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

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

Dear Mr. Seto:

This documents the quarterly groundwater sampling for the first quarter of the fifth year of quarterly groundwater sampling at the subject facility.

Four of the five existing monitoring wells (MW-2 through MW-5, Figure 1) were sampled on December 3, 1992. Monitoring well MW-1 contained a phase-separated hydrocarbon layer with a thickness of 0.10 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 using a Teflon® bailer and placed in 1-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 detected in the 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 has not been detected in any groundwater samples from wells MW-2, MW-4, and MW-5.

TPH as diesel was first detected in the groundwater sample from well MW-3 collected in February 1990. Except in December 1990 and December 1992 sampling events, TPH as diesel has been detected in all groundwater samples from this well since February 1990, at concentrations ranging from 0.20 mg/l to 1.3 mg/l.

Monitoring well MW-1 has consistently contained a phase-separated hydrocarbon layer.

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

Blymyer Engineers will continue to perform quarterly groundwater sampling for wells MW-2 through MW-5 for another quarter.

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

Cordially,

Blymyer Engineers, Inc.

John Morrison
Project 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 Hogencamp, GI Trucking Company
Mr. Tom McGuire, GI Trucking Company

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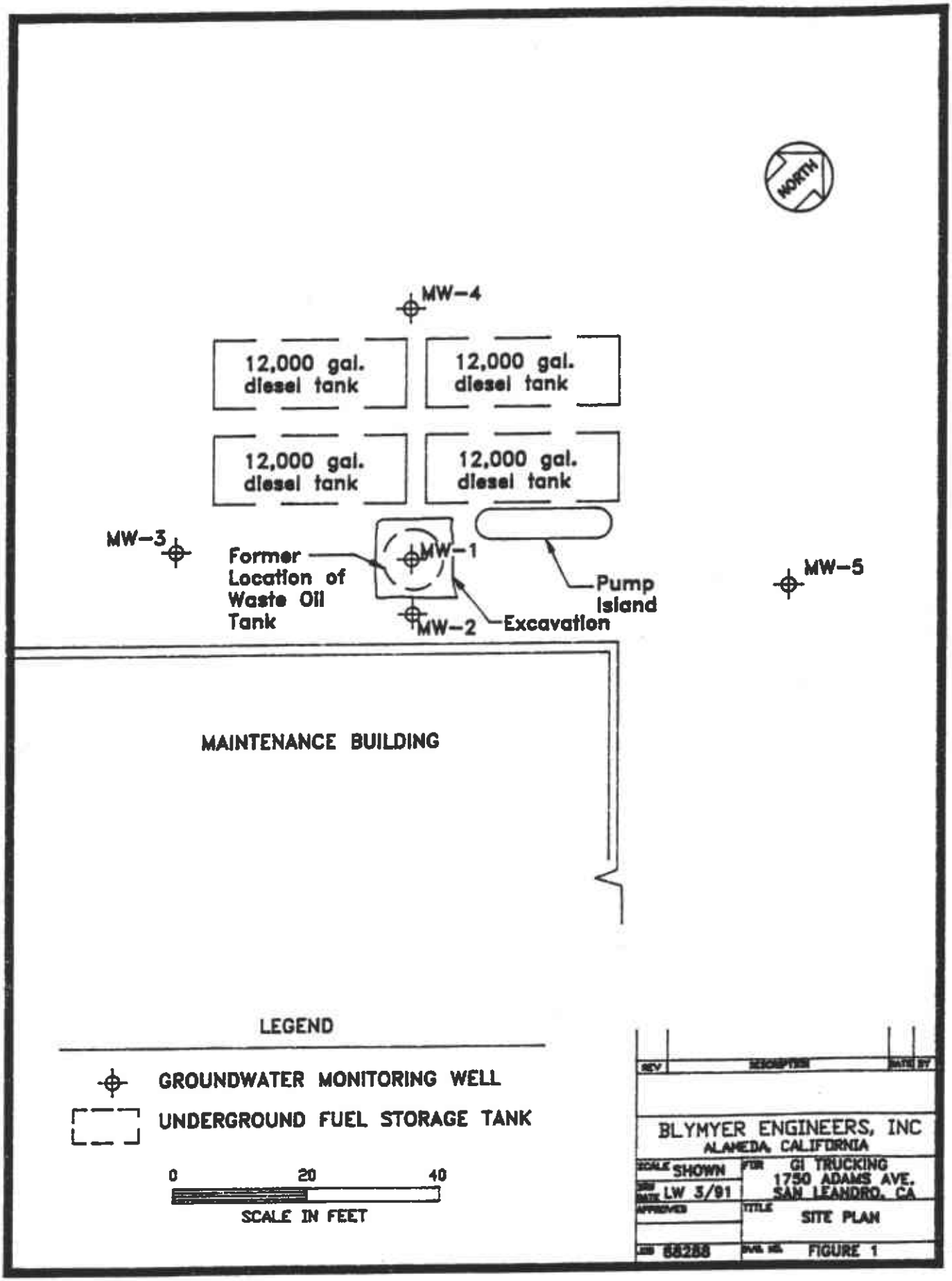
NORTH
MW-4
12,000 gal. diesel tank
12,000 gal. diesel tank
12,000 gal. diesel tank
12,000 gal. diesel tank
MW-3
Former Location of Waste Oil Tank
MW-1
MW-2
Excavation
Pump Island
MW-5
MAINTENANCE BUILDING
LEGEND
GROUNDWATER MONITORING WELL
UNDERGROUND FUEL STORAGE TANK
0
20
40
SCALE IN FEET
REV
DESCRIPTION
DATE BY
BLYMYER ENGINEERS, INC
ALAMEDA, CALIFORNIA
SCALE SHOWN
DRN
DATE LW 3/91
APPROVED
JOB 88288
FOR GI TRUCKING
1750 ADAMS AVE.
SAN LEANDRO, CA
TITLE SITE PLAN
DWG NO. FIGURE 1

## WELL PURGING AND SAMPLING DATA

DATE 12/3/92 | PROJECT NUMBER 88288 | PROJECT NAME G. I. TRUCKING

WELL NUMBER MW-1 | BORING DIAMETER N/A | CASING DIAMETER 12"

**Column of Liquid in Well**

| | | |
|---|---|---|
| Depth to product | 5.55 FT | |
| Depth to water | 5.65 FT | |
| Total depth of well | N/A | |
| Column of water | N/A | |

**Volume to be Removed**

| | | |
|---|---|---|
| Gallon per foot of casing | = | N/A |
| Column of water | x | |
| Volume of casing | = | |
| Number of volumes to remove | x | |
| Total volume to remove | = | |

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

| Field Analysis | Initial | During | | Final |
|---|---|---|---|---|
| Time | N/A | | | |
| Temperature (F) | | | | |
| Conductivity (us/cm) | | | | |
| Ph | | | | |

Method of measurement N/A

Total volume purged N/A

Comments OBTAIN THICKNESS OF FREE PRODUCT LAYER ONLY.
PRODUCT THICKNESS = 0.10 FT.

Sample Number N/A | Amount of Sample

Signed/Sampler Steph W Morse | Date 12/3/92

Signed/Reviewer John C. Morse | Date 4/6/93

BEI/swm 11/7/91

## WELL PURGING AND SAMPLING DATA

DATE 12/3/92 | PROJECT NUMBER 88288 | PROJECT NAME G. I. TRUCKING

WELL NUMBER MW-2 | BORING DIAMETER N/A | CASING DIAMETER 2"

**Column of Liquid in Well**

| | |
|---|---|
| Depth to product | N/A |
| Depth to water | 6.25 FT |
| Total depth of well | 23.25 FT |
| Column of water | 17.00 FT |

**Volume to be Removed**

| | | |
|---|---|---|
| Gallon per foot of casing | = | 0.17 GAL/FT |
| Column of water | x | 17.00 FT |
| Volume of casing | = | 2.9 GAL |
| Number of volumes to remove | x | 3 |
| Total volume to remove | = | 8.7 GAL |

Method of measuring liquid: OIL/WATER INTERFACE PROBE

Method of purging well: TEFLON BAILER rate N/A

Method of decon: ALCONOX AND DISTILLED WATER

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

Initial: CLEAR, NO ODOR

During: SILTY, TAN COLOR, NO ODOR

Final: SILTY, TAN COLOR, NO ODOR

| Field Analysis | Initial | During | | Final |
|---|---|---|---|---|
| Time | 12:00 | 12:06 | 12:14 | 12:22 |
| Temperature (F) | 63.9 | 64.0 | 64.5 | 64.2 |
| Conductivity (us/cm) | 829 | 836 | 840 | 844 |
| Ph | 8.22 | 8.18 | 8.16 | 8.10 |

Method of measurement: HYDAC METER

Total volume purged: 9.0 GAL

Comments:

Sample Number MW-2 | Amount of Sample 1 - 1 L AMBER BOTTLE

Signed/Sampler: Steph W Moore | Date 12/3/92

Signed/Reviewer: for C. Morris | Date 12-21-92

BEI/swm 11/7/91

## WELL PURGING AND SAMPLING DATA

DATE 12/3/92 | PROJECT NUMBER 88288 | PROJECT NAME G. I. TRUCKING

WELL NUMBER MW-3 | BORING DIAMETER N/A | CASING DIAMETER 2"

**Column of Liquid in Well**

| | |
|---|---|
| Depth to product | N/A |
| Depth to water | 6.23 FT |
| Total depth of well | 22.75 FT |
| Column of water | 16.52 FT |

**Volume to be Removed**

| | | |
|---|---|---|
| Gallon per foot of casing | = | 0.17 GAL/FT |
| Column of water | x | 16.52 FT |
| Volume of casing | = | 2.8 GAL |
| Number of volumes to remove | x | 3 |
| Total volume to remove | = | 8.4 GAL |

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

Final

| Field Analysis | Initial | During | | Final |
|---|---|---|---|---|
| Time | 13:02 | 13:08 | 13:14 | 13:23 |
| Temperature (F) | 65.6 | 66.0 | 66.3 | 65.8 |
| Conductivity (us/cm) | 817 | 865 | 945 | 925 |
| Ph | 7.90 | 7.79 | 7.63 | 7.61 |

Method of measurement HYDAC METER

Total volume purged 8.5 GAL

Comments

Sample Number MW-3 Amount of Sample 1 - 1 L AMBER BOTTLE

Signed/Sampler Steph W Mlow Date 12/3/92

Signed/Reviewer Jon C. Morrison Date 12-7-92

BEI/swm 11/7/91

## WELL PURGING AND SAMPLING DATA

DATE 12/3/92 | PROJECT NUMBER 88288 | PROJECT NAME G. I. TRUCKING

WELL NUMBER MW-4 | BORING DIAMETER N/A | CASING DIAMETER 2"

**Column of Liquid in Well**

| | |
|---|---|
| Depth to product | N/A |
| Depth to water | 5.14 |
| Total depth of well | 22.79 FT |
| Column of water | 17.65 FT |

**Volume to be Removed**

| | | |
|---|---|---|
| Gallon per foot of casing | = | 0.17 GAL/FT |
| Column of water | x | 17.65 FT |
| Volume of casing | = | 3.0 GAL |
| Number of volumes to remove | x | 3 |
| Total volume to remove | = | 9.0 GAL |

Method of measuring liquid OIL/WATER INTERFACE PROBE

Method of purging well TEFLON BAILER rate N/A

Method of decon ALCONOX AND DISTILLED WATER

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

Initial CLEAR, NO ODOR

During SILTY, TAN COLOR, NO ODOR

Final SILTY, TAN COLOR, NO ODOR

| Field Analysis | Initial | During | | Final |
|---|---|---|---|---|
| Time | 9:37 | 9:44 | 9:52 | 10:02 |
| Temperature (F) | 61.3 | 65.8 | 66.4 | 64.9 |
| Conductivity (us/cm) | 845 | 894 | 889 | 881 |
| Ph | 9.60 | 9.18 | 8.88 | 8.64 |

Method of measurement HYDAC METER

Total volume purged 9.0 GAL

Comments

Sample Number MW-4 | Amount of Sample 1 - 1 L AMBER BOTTLE

Signed/Sampler Steph W Mlow | Date 12/3/92

Signed/Reviewer Jon C. Marr | Date 12-21-92

BEI/swm 11/7/91

# WELL PURGING AND SAMPLING DATA

DATE 12/3/92 | PROJECT NUMBER 88288 | PROJECT NAME G. I. TRUCKING

WELL NUMBER MW-5 | BORING DIAMETER N/A | CASING DIAMETER 2"

**Column of Liquid in Well**

| | |
|---|---|
| Depth to product | N/A |
| Depth to water | 5.58 FT |
| Total depth of well | 22.25 FT |
| Column of water | 16.67 FT |

**Volume to be Removed**

| | | |
|---|---|---|
| Gallon per foot of casing | = | 0.17 GAL/FT |
| Column of water | x | 16.67 FT |
| Volume of casing | = | 2.8 GAL |
| Number of volumes to remove | x | 3 |
| Total volume to remove | = | 8.4 GAL |

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: CLEAN, NO ODOR

During: SILTY, TAN COLOR, NO ODOR

Final: SILTY, TAN COLOR, NO ODOR

| Field Analysis | Initial | During | During | Final |
|---|---|---|---|---|
| Time | 10:49 | 10:56 | 11:04 | 11:12 |
| Temperature (F) | 64.2 | 65.7 | 63.7 | 64.7 |
| Conductivity (us/cm) | 906 | 931 | 927 | 950 |
| Ph | 8.47 | 8.40 | 8.32 | 8.28 |

Method of measurement: HYDAC METER

Total volume purged: 8.5 GAL

Comments:

Sample Number: MW-5 | Amount of Sample: 1 - 1 L AMBER BOTTLE

Signed/Sampler: Steph W Mac | Date: 12/3/92

Signed/Reviewer: Joe C. Morris | Date: 12-21-92

BEI/swm 11/7/91

# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233


| | | | | |
|---|---|---|---|---|
| Blymyer | Client Project ID: | 88288/G.I. Trucking | Sampled: | Dec 3, 1992 |
| 1829 Clement Ave. | Sample Matrix: | Water | Received: | Dec 3, 1992 |
| Alameda, CA 94501 | Analysis Method: | EPA 3510/3520/8015 | Reported: | Dec 9, 1992 |
| Attention: Stephen Moore | First Sample #: | 212-0601 | | |

## TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

| Analyte | Reporting Limit µg/L | Sample I.D. 212-0601 MW-4 | Sample I.D. 212-0602 MW-5 | Sample I.D. 212-0603 MW-2 | Sample I.D. 212-0604 MW-3 |
|---|---|---|---|---|---|
| Extractable Hydrocarbons | 50 | N.D. | N.D. | N.D. | N.D. |
| Chromatogram Pattern: | | -- | -- | -- | -- |

**Quality Control Data**

| | | | | |
|---|---|---|---|---|
| Report Limit Multiplication Factor: | 1.0 | 1.0 | 1.0 | 1.0 |
| Date Extracted: | 12/7/92 | 12/7/92 | 12/7/92 | 12/7/92 |
| Date Analyzed: | 12/8/92 | 12/8/92 | 12/8/92 | 12/8/92 |
| Instrument Identification: | GCHP-5 | GCHP-5 | GCHP-5 | GCHP-5 |

Extractable Hydrocarbons are quantitated against a fresh diesel standard.
Analytes reported as N.D. were not detected above the stated reporting limit.

**SEQUOIA ANALYTICAL**

Andrea Fulcher
Project Manager

# SEQUOIA ANALYTICAL

680 Chesapeake Drive • Redwood City, CA 94063
(415) 364-9600 • FAX (415) 364-9233


Blymyer
1829 Clement Ave.
Alameda, CA 94501
Attention: Stephen Moore

Client Project ID: 88288/G.I. Trucking

QC Sample Group: 2120601-4

Reported: Dec 9, 1992

## QUALITY CONTROL DATA REPORT

| ANALYTE | Extractable Hydrocarbons |
|---|---|
| Method: | EPA 8015 |
| Analyst: | R. Lee |
| Reporting Units: | µg/L |
| Date Analyzed: | Dec 8, 1992 |
| QC Sample #: | DBLK120792X |
| **Sample Conc.:** | N.D. |
| **Spike Conc. Added:** | 300 |
| **Conc. Matrix Spike:** | 240 |
| **Matrix Spike % Recovery:** | 80 |
| **Conc. Matrix Spike Dup.:** | 240 |
| **Matrix Spike Duplicate % Recovery:** | 80 |
| **Relative % Difference:** | 0.0 |

**SEQUOIA ANALYTICAL**

Andrea Fulcher
Project Manager

% Recovery: $\frac{\text{Conc. of M.S. - Conc. of Sample}}{\text{Spike Conc. Added}} \times 100$

Relative % Difference: $\frac{\text{Conc. of M.S. - Conc. of M.S.D.}}{\text{(Conc. of M.S. + Conc. of M.S.D.) / 2}} \times 100$

BLYMYER ENGINEERS, INC.
1829 Clement Avenue
Alameda, CA 94501 (415) 521-3773

# CHAIN OF CUSTODY RECORD

PAGE 1 OF 1

JOB # 88288

PROJECT NAME/LOCATION: G.I. Trucking / San Leandro CA

SAMPLERS (SIGNATURE): Stephen W Moore

TURNAROUND TIME: 10 DAY(S)

REMARKS: COPY

| DATE | TIME | COMP | GRAB | SAMPLE NAME/LOCATION | # OF CONTAINERS | TPH AS GASOLINE + BTXE (MOD EPA 8015/8020) | TPH AS DIESEL (MOD EPA 8015) | VOC (EPA 624/8240) | SEMI-VOC (EPA 625/8270) | TRPH (EPA 418.1) | BTXE (EPA 8020/602) | HOLD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12/3/92 | 9:25 | | X | BB-1 | 1 | | | | | | | X |
| 12/3/92 | 10:10 | | X | MW-4 | 1 | | X | | | | | |
| 12/3/92 | 11:25 | | X | MW-5 | 1 | | X | | | | | |
| 12/3/92 | 12:35 | | X | MW-2 | 1 | | X | | | | | |
| 12/3/92 | 13:31 | | X | MW-3 | 1 | | X | | | | | |

2120601
0602
0603
0604

REQUESTED BY: John Morrison

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

| RELINQUISHED BY: (SIGNATURE) | DATE / TIME | RECEIVED BY: (SIGNATURE) |
|---|---|---|
| Stephen W Moore | 12/3/92 16:44 | |
| | | |
| RELINQUISHED BY: (SIGNATURE) | DATE / TIME | RECEIVED FOR LABORATORY BY: (SIGNATURE) |
| | 12/3 6:00 | |

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

| DATE / TIME | REMARKS: |
|---|---|
| 12/3/92 1800 | |

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