Oregon

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

NORTHWEST REGION

September 24, 1996

ROBERT WEAVER
CONSOLIDATED FREIGHTWAYS
PO BOX 3010
MENLO PARK CA 94026 3010

RE: Consolidated Freightways
File No. 26-95-0305

Dear Mr. Weaver:

The Department of Environmental Quality has completed its review of the information submitted to date concerning the underground storage tank (UST) decommissioning and cleanup conducted at 2010 NE Riverside Way, Portland, Oregon. The Department has determined that the cleanup appears to have met the requirements of Oregon Administrative Rules (OAR) 340-122-205 through 340-122-360 and that no further action is required at this time.

This determination is a result of our evaluation and judgment based on the regulations and facts as we now understand them, including:

1. On November 7, 1995, one 6,000 gallon waste oil UST was decommissioned at this location. The tank was recycled at Schnitzer Steel Products. The residual tank contents were disposed of by CET Environmental Services, Inc.

2. Approximately 130 tons of contaminated soils and tank backfill were excavated during the UST decommissioning. The soils were treated offsite at TPS Technologies by thermal treatment. Soil samples were collected at a depth of approximately 15 feet below ground surface (bgs) from beneath both ends of the tank (northwest and southeast). Additionally, one soil sample was collected from 9 feet bgs from the northwest sidewall of the excavation and one sample was collected from 10 feet bgs from the southeast sidewall of the excavation. These samples were analyzed by analytic method TPH-HCID. All of the sample results were non detect. The soil sample collected from beneath the southeast end of the tank was also analyzed for Volatile Chlorinated Organic Compounds (EPA Method 8010), Volatile Aromatic Organic Compounds (EPA Method 8020), and cadmium, chromium, and lead (TCLP). The soil sample results were "not detected" for all of the parameters analyzed. Although the TPH-HCID analysis is not considered an appropriate test for confirmatory soil testing, the Department will accept the results in light of the fact that EPA Methods 8010, 8020 and analyses for the three metals were performed on a soil sample located in the area most likely to be contaminated as confirmation that all of the contaminated soil was removed.

John A. Kitzhaber
Governor

2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice
TTY (503) 229-5471
DEQ-1

3. Water was encountered in the excavation during tank removal. The excavation was dewatered and water did not re-enter the excavation within 24 hours.

The Department's determination will not be applicable if new or undisclosed facts show that the cleanup does not comply with the referenced rules. The Department's determination also does not apply to any conditions at the site other than the release of the petroleum product specifically addressed in the report(s).

Please note that pursuant to OAR 340-122-360(2), a copy of your report must be retained until ten (10) years after the first transfer of the property. We recommend that a copy of this information be kept with the permanent facility records.

Your efforts to comply with the cleanup regulations have been appreciated. If you have any questions, please feel free to contact me at (503) 229-5474.

Sincerely,

Steven L. Hooper
UST Cleanup Specialist

cc: Michael Lewis
Blymer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501-1395

BLYMYER
ENGINEERS, INC.

March 14, 1996
BEI Job No. 95031

Mr. Steven L. Hooper
UST Cleanup Specialist
Oregon Department of Environmental Quality
Northwest Region
2020 S.W. Fourth Avenue, Suite 400
Portland, OR 97201-4987

Subject: **Petroleum-Contaminated Soil Disposal**
CF MotorFreight (PTM)
2010 N.E. Riverside Way
Portland, Oregon
File No. 26-95-0305

Dear Mr. Hooper:

As requested in your March 11, 1996 letter to Mr. Robert Weaver of Consolidated Freightways, please find enclosed copies of seven TPS Technologies Soil Recycling's Non-Hazardous Soils Manifests that document the transport and receipt of 125.11 tons of soil for thermal treatment. The soil was associated with the removal of one 6,000-gallon waste oil underground storage tank from the subject site.

Please call me at (510) 521-3773 if you have any questions.

Cordially,

Blymyer Engineers, Inc.

By:_____
Ramon Khu
Director, UST Services

Enclosure
cc: Ms. Lynne Carlson, Consolidated Freightways, Inc.

rk\95031\odeqmfst.let

1829 CLEMENT AVENUE ALAMEDA, CA 94501-1395 PHONE 510-521-3773 FAX 510-865-2594
3475 LENOX ROAD N.E. SUITE 400 ATLANTA, GA 30326 PHONE 404-238-0550 FAX 404-238-0553

CUSTOMER REPORT OF

Customer Name: : CF MOTORFRGHT/RVRSDE

Reporting FROM : 12-19-95 00:00 TO : 12-20-95 23:59

DATE : 12-20-95
TIME : 08:09:20

Date In	Manifest No.:	Transporter:	Driver's Name:	Gross lb	Tare lb	Net lb	Net Tons	:
12-19-95	09-01482	CELORIE	BROCK CHANDLER	59940	23920	36020		18.01 ✓
12-19-95	09-01482	CELORIE	BROCK CHANDLER	59080	23980	35100		17.55 ✓
12-19-95	09-01482	CELORIE	BROCK CHANDLER	61640	24060	37580		18.79 ✓
12-19-95	09-01482	CELORIE	BROCK CHANDLER	59880	23880	36000		18.00 ✓
12-19-95	09-01482	CELORIE	BROCK CHANDLER	59740	23840	35900		17.95 ✓
12-19-95	09-01482	CELORIE	BROCK CHANDLER	59220	23820	35400		17.70 ✓
12-19-95	09-01482	CELORIE	BROCK CHANDLER	58240	24020	34220		17.11 ✓
TOTALS :				417660	167440	250220		125.11 ✓

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

Manifest #

Date of Shipment:		Transporter Truck #:			Load #
– –	CONSULTANT	Clone	09	01482	001

CF MOTORFREIGHT
P.O. BOX 3010
MENLO PARK, CA 94026-3010
(415) 326-1700
ROBERT WEAVER
( ) –

CF MOTORFREIGHT (PTM)
C/O BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CA 94501
(510) 521-3773
RAMON KHU
(510) 865-2594 1002209

CF MOTORFREIGHT
2010 NE RIVERSIDE WAY
PORTLAND, OR
( ) – ppb
720F50 ppm
( ) – ppb ppm

TPST SOIL RECYCLERS OF OREGON
9333 NORTH HARBORGATE STREET
PORTLAND, OR 97203
(503) 735-9525
GLENNA MULLAN
(503) 240-1712

( ) –

( ) –

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			59940	23920	36020
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				18.01	

List any exception to items listed above:

***Generator's and/or consultant's certification:** I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Date Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.*

Print or Type Name: Generator ☒ Consultant ☐ Signature and date: Month Day Year
Robert Weaver — Robert Weaver by [illegible]

***Transporter's certification:** I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: Signature and date: Month Day Year
X Brock Chandler — Brock Chandler — 12 19 95

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Signature and date:
Glenna Mullan — Glenna Mullan 12-19-95

Please print or type. | CUSTOMER COPY

Manifest

TPS Technologies Soil Recycling
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:		Transporter Truck #:			Load #
– –	CONSULTANT	Gloria	09	01482	002

CF MOTORFREIGHT
P.O. BOX 3010

MENLO PARK, CA 94026-3010

(415) 326-1700
ROBERT WEAVER
( ) –

CF MOTORFREIGHT (PTM)
C/O BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CA 94501

(510) 521-3773
RAMON KHU
(510) 865-2594 1002209

CF MOTORFREIGHT
2010 NE RIVERSIDE WAY

PORTLAND, OR

( ) – ppb
720F50 ppm
( ) – ppb ppm

TPST SOIL RECYCLERS OF OREGON
9333 NORTH HARBORGATE STREET

PORTLAND, OR 97203

(503) 735-9525
GLENNA MULLAN
(503) 240-1712

( ) –

( ) –

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			59000	23900	35100
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			—	17.55	

List any exception to items listed above:

***Generator's and/or consultant's certification:** I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Date Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.*

Print or Type Name: Robert Weaver Generator ☐ Consultant ☐ Signature and date: Robert Weaver by GMulla Month Day Year

***Transporter's certification:** I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: Brock Chandler Signature and date: Brock Chandler Month 12 Day 19 Year 95

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan Signature and date: Glenna Mullan 12/19/95

Please print or type. CUSTOMER COPY

Manifest

PS Technologies Soil Recyclir
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:		Transporter Truck #:			Load #
- -	CONSULTANT	Clorie	09	01482	003

CF MOTORFREIGHT
P.O. BOX 3010
MENLO PARK, CA 94026-3010
(415) 326-1700
ROBERT WEAVER
( ) -

CF MOTORFREIGHT (PTM)
C/O BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CA 94501
(510) 521-3773
RAMON KHU
(510) 865-2594 1002209

CF MOTORFREIGHT
2010 NE RIVERSIDE WAY
PORTLAND, OR
( ) - ppb
720F50 ppm
( ) - ppb ppm

TPST SOIL RECYCLERS OF OREGON
9333 NORTH HARBORGATE STREET
PORTLAND, OR 97203
(503) 735-9525
GLENNA MULLAN
(503) 240-1712

( ) -

( ) -

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			61640	24060	37580
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				18.79	

List any exception to items listed above:

***Generator's and/or consultant's certification:** I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Date Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.*

Print or Type Name: Robert Weaver Generator ☒ Consultant ☐ Signature and date: Robert Weaver by GMu Month Day Year

***Transporter's certification:** I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: X Brock Chandler Signature and date: X Brock Chandler Month 12 Day 19 Year 95

Discrepancies:

GMu

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan Signature and date: Glenna Mullan 12-19-95

Please print or type. CUSTOMER COPY

Manifest

TPS Technologies Soil Recyclin
Non-Hazardous Soils

Manifest #

Date of Shipment:		Transporter Truck #:		Load #
- -	CONSULTANT	Dove	09 01482	004

CF MOTORFREIGHT
P.O. BOX 3010

MENLO PARK, CA 94026-3010

(415) 326-1700
ROBERT WEAVER
( ) -

CF MOTORFREIGHT (PTM)
C/O BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CA 94501

(510) 521-3773
RAMON KHU
(510) 865-2594 1002209

CF MOTORFREIGHT
2010 NE RIVERSIDE WAY

PORTLAND, OR

( ) - ppb
720F50 ppm
( ) - ppb ppm

TPST SOIL RECYCLERS OF OREGON
9333 NORTH HARBORGATE STREET

PORTLAND, OR 97203

(503) 735-9525
GLENNA MULLAN
(503) 240-1712

( ) -

( ) -

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			59880	23880	36000
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				18.00	

List any exception to items listed above:

***Generator's and/or consultant's certification:** I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Date Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.*

Print or Type Name: Robert Weaver | Generator ☒ | Consultant ☐ | Signature and date: Robert Weaver by [illegible] | Month | Day | Year

***Transporter's certification:** I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: Brock Chandler | Signature and date: Brock Chandler | Month 12 | Day 19 | Year 95

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan | Signature and date: Glenna Mullan 12-19-95

Please print or type. | CUSTOMER COPY

Manifest

PS Technologies Soil Recycli
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:		Transporter Truck #:			Load #
– –	CONSULTANT	Colorie	09	01482	005

CF MOTORFREIGHT
P.O. BOX 3010
MENLO PARK, CA 94026-3010
(415) 326-1700
ROBERT WEAVER
( ) –

CF MOTORFREIGHT (PTM)
C/O BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CA 94501
(510) 521-3773
RAMON KHU
(510) 865-2594 1002209

CF MOTORFREIGHT
2010 NE RIVERSIDE WAY
PORTLAND, OR
( ) – ppb
720F50 ppm
( ) – ppb ppm

TPST SOIL RECYCLERS OF OREGON
9333 NORTH HARBORGATE STREET
PORTLAND, OR 97203
(503) 735-9525
GLENNA MULLAN
(503) 240-1712

( ) –

( ) –

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			59740	23840	35900
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				17.95	

List any exception to items listed above:

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Date Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Robert Weaver Generator ☐ Consultant ☐ Signature and date: Robert Weaver by [illegible] Month Day Year

Transporter's certification: I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Brock Chandler Signature and date: [signature] Month 12 Day 19 Year 95

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan Signature and date: [signature] 12-19-95

Please print or type. CUSTOMER COPY

Manifest

TPS Technologies Soil Recyclin
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:		Transporter Truck #:			Load #
- -	CONSULTANT	Clorie	09	01482	006

CF MOTORFREIGHT
P.O. BOX 3010

MENLO PARK, CA 94026-3010

(415) 326-1700
ROBERT WEAVER
( ) -

CF MOTORFREIGHT (PTM)
C/O BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CA 94501

(510) 521-3773
RAMON KHU
(510) 865-2594 1002209

CF MOTORFREIGHT
2010 NE RIVERSIDE WAY

PORTLAND, OR

( ) - ppb
720F50 ppm
( ) - ppb ppm

TPST SOIL RECYCLERS OF OREGON
9333 NORTH HARBORGATE STREET

PORTLAND, OR 97203

(503) 735-9525
GLENNA MULLAN
(503) 240-1712

( ) -

( ) -

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			59220	23820	35400
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				17.70	

List any exception to items listed/above:

***Generator's and/or consultant's certification:** I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Date Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.*

Print or Type Name: Robert Weaver Generator ☐ Consultant ☐ Signature and date: Robert Weaver 12-19-95 Month Day Year

***Transporter's certification:** I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: Brock Chandler Signature and date: Brock Chandler Month 12 Day 19 Year 95

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan Signature and date: Glenna Mullan 12-19-95

Please print or type. CUSTOMER COPY

Manifest

PS Technologies Soil Recyclin
Non-Hazardous Soils

⬇ Manifest # ⬇

Date of Shipment:		Transporter Truck #:			Load #
- -	CONSULTANT	Celorie	09	01482	007

CF MOTORFREIGHT
P.O. BOX 3010
MENLO PARK, CA 94026-3010
(415) 326-1700
ROBERT WEAVER
( ) -

CF MOTORFREIGHT (PTM)
C/O BLYMYER ENGINEERS, INC.
1829 CLEMENT AVENUE
ALAMEDA, CA 94501
(510) 521-3773
RAMON KHU
(510) 865-2594 1002209

CF MOTORFREIGHT
2010 NE RIVERSIDE WAY
PORTLAND, OR
( ) - ppb
720F50 ppm
( ) - ppb ppm

TPST SOIL RECYCLERS OF OREGON
9333 NORTH HARBORGATE STREET
PORTLAND, OR 97203
(503) 735-9525
GLENNA MULLAN
(503) 240-1712

( ) -

( ) -

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐			58240	24020	34220
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐				17.11	

List any exception to items listed above:

***Generator's and/or consultant's certification:** I/We certify that the soil referenced herein is taken entirely from those soils described in the Soil Date Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.*

Print or Type Name: Robert Weaver Generator ☒ Consultant ☐ Signature and date: Robert Weaver 12/19/95

***Transporter's certification:** I/We acknowledge receipt of the soil described above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that this soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.*

Print or Type Name: Brock Chandler Signature and date: Brock Chandler Month 12 Day 19 Year 95

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: Glenna Mullan Signature and date: Glenna Mullan 12-19-95

Please print or type. CUSTOMER COPY

Oregon

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

NORTHWEST REGION

March 11, 1996

ROBERT WEAVER
CONSOLIDATED FREIGHTWAYS
PO BOX 3010
MENLO PARK CA 94026 3010

RE: Consolidated Freightways
File No. 26-95-0305

Dear Mr. Weaver:

The Department has reviewed the information submitted to date regarding the tank closure and cleanup located at 2010 NE Riverside Way, Portland, Oregon. After evaluating the information in light of the possibility of issuing a "no further action," it has been determined that the following item must be submitted prior to site closure:

1. Please submit the receipts for the thermal treatment of the approximately 130 tons of contaminated soil and tank backfill that was removed during tank closure.

Please submit the required information, as requested above, by **March 29, 1996.** Your efforts to comply with the cleanup regulations in order to ensure that your site is cleaned up are appreciated. If you should have any questions regarding this matter, please call me at (503) 229-5493.

Sincerely,

Steven L. Hooper
UST Cleanup Specialist

Cc: Michael Lewis
Blymer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501-1395

John A. Kitzhaber
Governor

2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice
TTY (503) 229-5471
DEQ-1

BLYMYER
ENGINEERS, INC.

NWR

February 2, 1996
BEI Job No. 95031

26-95-305

Oregon Department of Environmental Quality
UST Program - Decommissioning Checklist/Report
811 S.W. Sixth Avenue
Portland, OR 97204

Subject: **Underground Storage Tank Decommissioning Checklist and Decommissioning/Service Change Report**
CF MotorFreight (PTM)
2010 N.E. Riverside Way
Portland, Oregon

Dear Sir/Madam:

Please find enclosed the *Underground Storage Tank Decommissioning Checklist* and the *Underground Storage Tank Decommissioning/Service Change Report*, both dated December 1, 1995, which details the removal of one 6,000-gallon waste oil underground storage tank at the subject site.

Please call me at (510) 521-3773 if you have any questions.

Cordially,

Blymyer Engineers, Inc.

By:_____
Ramon Khu
Director, UST Services

Enclosures
cc: Ms. Lynne Carlson, Consolidated Freightways, Inc.

rk\95031\ordeqrpt.lt2

1829 CLEMENT AVENUE ALAMEDA, CA 94501•1395 PHONE 510•521•3773 FAX 510•865•2594
3475 LENOX ROAD N.E. SUITE 400 ATLANTA, GA 30326 PHONE 404•238•0550 FAX 404•238•0553

JAN 11 1996

Oregon Department of Environmental Quality

UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST

DEQ FACILITY NUMBER: 5146 P&P DATE: 12/1/95

FACILITY NAME: Consolidated Freightways

FACILITY ADDRESS: 2010 NE Riverside Way
Portland, OR 97211

PHONE: 288-6101

A. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher: Type/Size: Dry Chemical / 5lb Recharge Date: 10/22/95

Combustible Gas Detector: Model: ISC LTX 310 Calibration Date: 8/7/95

Oxygen Analyzer: Model: ISC LTX 310 Calibration Date: 8/7/95

B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable) (Check Appropriate Box)

	Yes	No	Unk	N/A
1. All electrical equipment grounded and explosion proof?	✓			
2. Safety equipment on job site?	✓			
3. Overhead electrical lines located?	✓			
4. Subsurface electrical lines off or disconnected?	✓			
5. Natural gas lines off or disconnected?				✓
6. No open fires or smoking material in area?	✓			
7. Vehicle and pedestrian traffic controlled?	✓			
8. Excavation material area cleared?	✓			
9. Rainwater runoff directed to treatment area?				✓
10. Drained and collected product from lines?	✓			
11. Removed product and residual from tank?	✓			
12. Cleaned tank?	✓			
13. Excavated to top of tank?	✓			
14. Removed tank fixtures? (pumps, leak detection equip.	✓			
15. Removed product, fill and vent lines?	✓			

JAN 1996 RECEIVED OLYMPIC ENGINEERS

DEPT. OF ENVIRONMENTAL QUALITY RECEIVED: FEB 06 1996 ENVIRONMENTAL CLEANUP DIVISION

C. TANK ABANDONMENT IN-PLACE:

16. Sampling plan approved by DEQ? Date: _____ DEQ Staff: _____				✓

B. DECOMMISSIONING: All Tanks: (Unk. = Unknown, N/A = Not Applicable)
(Check Appropriate Box)

Yes	No	Unk	N/A
✓			
✓			

17. Contamination concerns fully resolved?

18. Fill Material? Type: PEA GRAVEL

D. TANK REMOVAL:

✓			
✓			
✓			
✓			
✓			
✓			

19. Tank placement area cleared, chocks placed?

20. Purged or ventilated tank to prevent explosion?
Method used: Carbon Dioxide Meter reading: LEL 0% Oxygen 6%

21. No chains or steel cables wrapped around tank for removal?

22. Tank removed, set on ground, blocked to prevent movement?

23. Tank set on truck and secured with strap(s)?

24. Tank labeled before leaving site?

E. SITE ASSESSMENT:

✓			
✓			
✓			
✓			
✓			
✓			

25. Site assessed for contamination? See OAR 340-122-340

26. Soil samples taken and analyzed?

27. Decommissioning/Change-in-Service report sent to DEQ?

28. Was contamination found? Date/Time: 11/8/95 1:30 PM

29. Was contamination reported to DEQ? By: MICHAEL S. LEWIS
Date/Time: 11/8/95 2:00 PM DEQ Staff: MITCH SCHEEL

30. Was hazardous waste determination made for tank contents (Liquids/sludges)?

31. Disposal location of tank(s) contents.
Name: Harbor Oil Date: 11/2/95
Address: 11535 N. Force Ave
Portland, OR 97217 Attach disposal receipt.

32. Disposal or recycling location of removed tank(s) and associated piping.
Name: Schnitzer Steel Products Date: 11/7/95
Address: 12005 N. Burgard
Portland, OR 97203 Attach disposal receipt.

33. If tank(s) are intended to be reused, identify new tank site.
Name: _____ Date: _____
Address: _____
Purpose of Reuse: _____

F. WORK PERFORMED BY:

DEQ Service Provider's License #: 14077

Name: Silver Sun Construction Co.

Telephone: 665-9611

DEQ Decommissioning Supervisor's License #: 1381

Name: Doug Van Houte

Telephone: 665-9611

E. CHECKLIST FILING:

1. Provide copy of checklist to the UST owner and operator.

2. Send completed checklist to the DEQ headquarters within 30 days after the excavation is backfilled.

NOTE: If contamination was found during decommissioning and reported to DEQ regional office, this report may b submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

Send Completed and Signed Form to: Department of Environmental Quality
UST Program - Decommissioning Checklist
811 S.W. Sixth Ave.
Portland, Oregon 97204

Or FAX Completed and Signed Form to: (503) 229-6954

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED:
FEB 06 1996
ENVIRONMENTAL CLEANUP DIVISION

I have personally reviewed this decommissioning checklist and find it to be true and complete.

Signature: Doug Van Houte Date: 12-1-95
(Licensed Supervisor)

Signature: [signature] Date: 1/18/96
(Owner or Operator)

For information: (503) 229-5733 or Toll Free in Oregon UST HELPLINE 1-800-742-7878

JAN 11 1996

Oregon Department of Environmental Quality

UNDERGROUND STORAGE TANK DECOMMISSIONING/SERVICE CHANGE REPORT

DEQ FACILITY NUMBER: 5146 — DATE: 12/1/95

FACILITY NAME: Consolidated Freightways

FACILITY ADDRESS: 2010 NE Riverside Way
Portland, Or 97211

PHONE: 288-6101

The following information MUST be submitted by the underground storage tank owner, operator or licensed DEQ Supervisor within 30 days following completion of the tank decommissioning or changing tank contents to a non-regulated substance. (OAR 340-150-001 though -150)

The attached supplemental checklist should be prepared by the person performing the decommissioning or service change. The checklist should be provided to DEQ and the tank owner to demonstrate that all required practices were followed.

Ordinarily the checklist is filled out by the DEQ licensed Service Provider or Supervisor. Owners who wish to personally decommission a tank or change service must follow all DEQ and other applicable standards. The owner should contact the DEQ Regional Office prior to starting the work to receive current copies of underground storage tank regulations.

A. DATES:

Decommissioning/Service Change Notice - Date Submitted: 10/3/95 (30 days before work starts)

Work Start Telephone Notice - Date Submitted: 11/2/95 (3 working days before work starts)

DEQ Person Notified: Mitch Shields 26-30-95-90

Date Work Started: 11/6/95

Date Work Completed: _____

Note: Provide the following information if any soil or water contamination is found during the decommissioning or service change. Contamination must be reported by the UST owner or operator within 24 hours. The licensed service provider must report contamination within 72 hours after discovery unless previously reported.

Date Contamination Reported: 11/8/95 By: Michael S. Lewis

DEQ Person Notified: Mitch Scheel

Backfill Telephone Notice - Date Called: 11/9/95 (before backfilling)

DEQ Person Notified: Mitch Scheel

DEPT. OF ENVIRONMENTAL QUALITY
RECEIVED
FEB 08 1996
ENVIRONMENTAL CLEANUP DIVISION

B. PERMITS:

Note: DEQ permits or an addendum to the UST permit(s) may be needed where soil or water cleanup is required.

DEQ Water Discharge Permit #: _____ Date: _____

Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____ Date: _____

B. PERMITS (Continued)

UST Soil Treatment Permit Addendum - Type: _____ Date: _____

Soil Disposal or Treatment Location: _____

C. TANK INFORMATION:

Tank #	DEQ UST Permit	Tank Size in (Gallons)	Product: Gasoline, Diesel, Used Oil, Other?		Closure or Service Change?			Tank to be Replaced?	
			Present	New	Tank Removal	Closure∞ Inplace	Other∞ Use	Yes*	No
1	BKEHH	6,000	Used Oil		X				X

* Where decommissioned tank(s) are replaced by new underground storage tanks the UST owner or operator must submit a new permit application containing information on the new tanks 30 days before placing them in service.

∞ Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

D. DISPOSAL INFORMATION:

Tank #	Tank & Piping Disposal Method				Disposal Location of Tank Contents *	
	Scrap	Land-fill	Other	Identify Location & Property Owner	Liquids	Sludges
1	X			Schnitzer Steel, 12005 N. Burgard Portland, OR 97203	Harbor Oil 11535 N. Force Ave Portland OR 97217	

* Note: The tank contents, the tank and the piping may be subject to the requirements of Hazardous Waste regulations. If you have questions, contact the DEQ Hazardous Waste Section at (503) 229-5913 or DEQ regional office hazardous waste staff.

E. CONTAMINATION INFORMATION:

Tank #	Ground* water in pit?	Product odor in soil?	Product stains in soil?	Number of Samples	Laboratory (Name, City, State, Phone)
1	No	No	No	6	NATIONAL ENVIRONMENTAL TESTING, INC. PORTLAND, OR (503) 624-5449

* Note: Sampling is required if groundwater is encountered. See cleanup rules.

F. SITE SKETCH: (Show location of adjacent roads, property lines, structures, dispenser, & all USTs) (Show North, general direction of ground slope and soil sample locations. Sketch does not need to be drawn to scale. You may attach a separate drawing.)

SITE PLAN AND SOIL SAMPLE LOCATION MAP ARE ATTACHED.

G. WORK PERFORMED BY:

DEQ Service Provider's License #: 14077 Construction Contractors License #: 98776

Name: Silver Sun Construction Co.

Telephone: 665-9611

DEQ Decommissioning Supervisor's License #: 1381

Name: Doug Van Heule

Telephone: (503) 665-9611

DEQ Soil Matrix Service Provider's License #: 11122 (If applicable)

Name: Blymyer Engineers, Inc.

Telephone: (510) 521-3773

DEQ Soil Matrix Supervisor's License #: 10865 (If applicable)

Name: Michael S. Lewis

Telephone: (510) 521-3773

H. ATTACHMENTS TO THIS REPORT:

1. Attach a copy of the laboratory report showing the results of all tests on all soil and water samples. The laboratory report must identify sample collection methods, sample location, sample depth, sample type (soil or water), type of sample container, sample temperature during transportation, types of tests, and copies of analytical laboratory reports, including QA/QL information. Include laboratory name, address and copies of chain-of-custody forms.

2. If contamination is detected and a Level 2 or Level 3 soil matrix cleanup standard is selected attach a copy of the soil matrix analysis for the site including methods of determining soil type, depth to groundwater, and sensitivity of uppermost aquifer.

I. REPORT FILING:

This report, signed by the tank owner or operator, complete with all applicable attachments must be filed with DEQ headquarters within 30 days after the excavation is backfilled or change-in-service is complete. Contact the DEQ regional office prior to filing this report where special circumstances exist at the site (such as water in pit, remaining pockets or contamination, etc.).

NOTE: If contamination was found during site assessment at decommissioning or change-in-service and reported to DEQ regional office, this report may be submitted with either the first interim cleanup report or the final cleanup report, whichever is first.

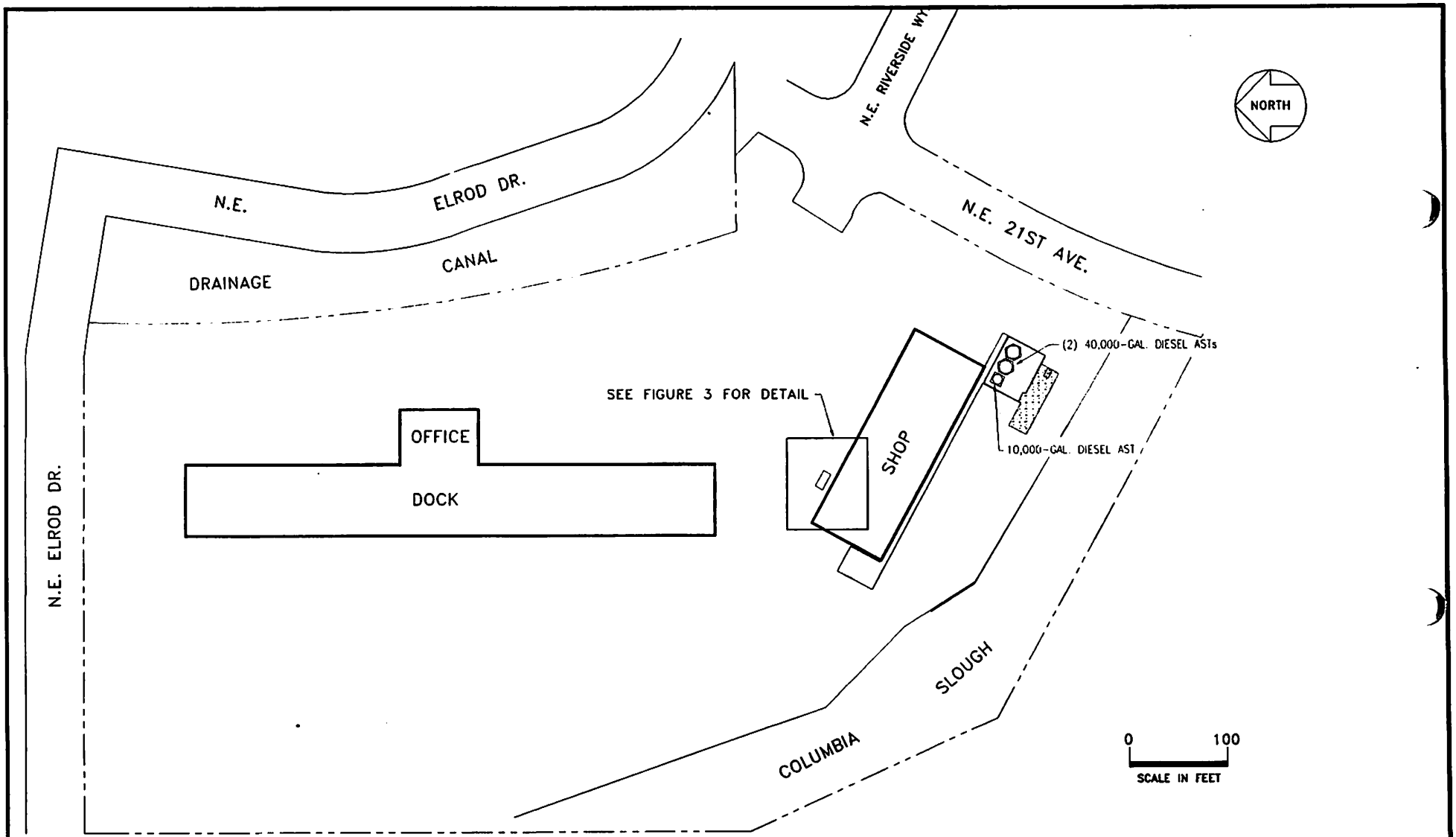
Return Completed and Signed Form to: Department of Environmental Quality
UST Program - Decommissioning Report
811 S.W. Sixth Ave.
Portland, Oregon 97204

Or FAX Completed and Signed Form to: (503) 229-6954

I have personally reviewed this report and the attachments and find them to be true and complete.

Signature: [signature] Date: 1/18/96
(Owner or Operator)

For information: (503) 229-5733 or Toll Free in Oregon UST HELPLINE 1-800-742-7878



BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
95031	11/30/95

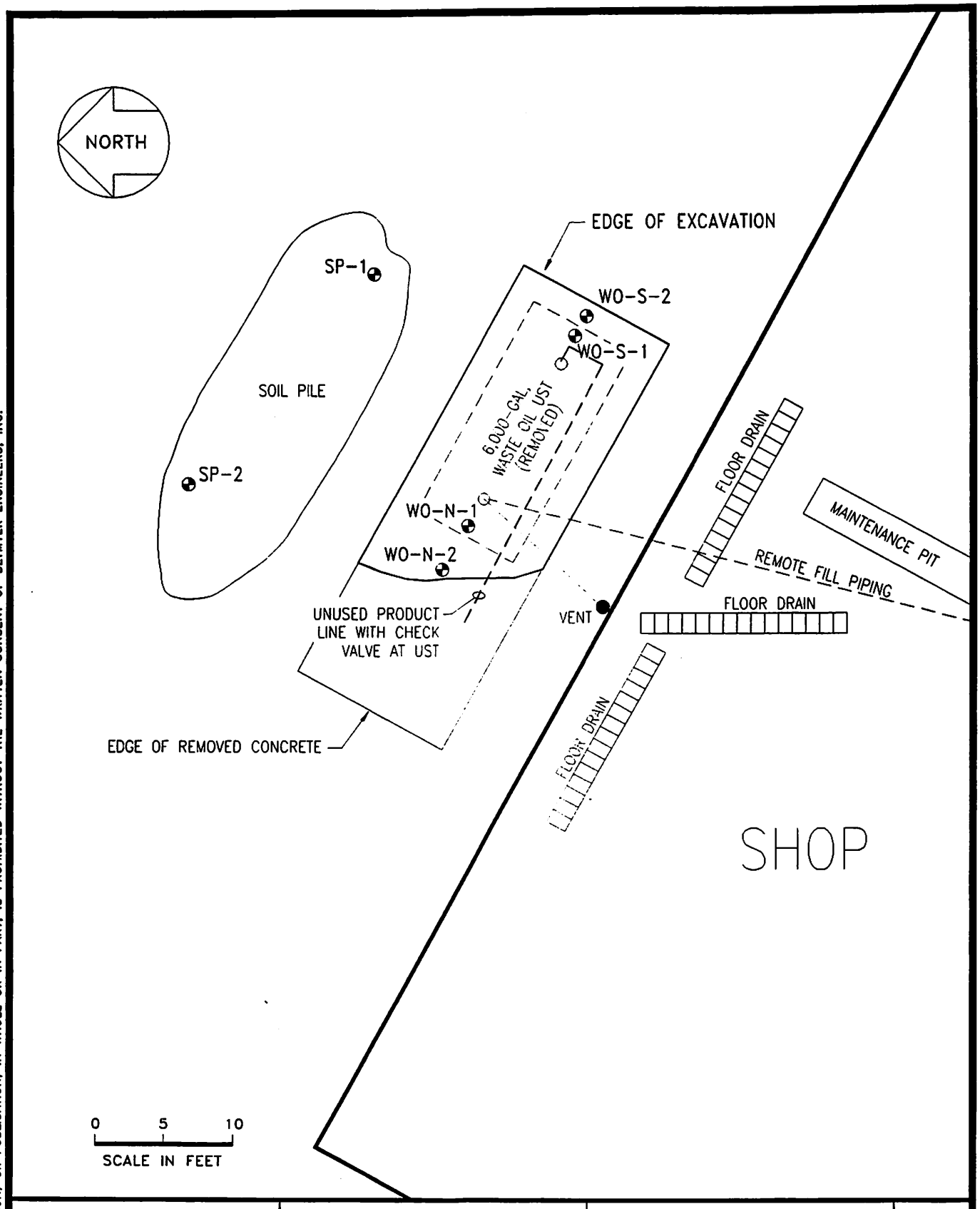
LEGEND

AST ABOVEGROUND STORAGE TANK

SITE PLAN
CF MOTORFREIGHT
2010 N.E. RIVERSIDE WAY
PORTLAND, OR

FIGURE 2

REVISED 12-8-95 H:\PUBLIC\ACADLW\950312



BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
95031	11/30/95

LEGEND

UST UNDERGROUND STORAGE TANK

⊕ SOIL SAMPLE LOCATION

SOIL SAMPLE LOCATIONS

CF MOTORFREIGHT
2010 N.E. RIVERSIDE WAY
PORTLAND, OR

FIGURE 3

REVISED 12/8/95 H:\PUBLIC\ACADLW\950313

NATIONAL ENVIRONMENTAL TESTING, INC.

Portland Division
17400 SW Upper Boones Ferry Rd.
Suite #260
Portland, OR 97224
Tel: (503) 624-5449
Fax: (503) 639-6889

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995
NET Account No.: 4000
NET Job Number: 95.03731

Project: CF-PTM
Location: 95031

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Sample Number	Sample Description	Matrix Type	Date Taken	Date Received
50231	WO-S-1 (15')	SOIL	11/07/1995	11/07/1995
50232	WO-S-2 (10')	SOIL	11/07/1995	11/07/1995
50233	WO-N-1 (15')	SOIL	11/07/1995	11/07/1995
50234	WO-N-2 (9')	SOIL	11/07/1995	11/07/1995
50235	SP-1	SOIL	11/07/1995	11/07/1995
50236	SP-2	SOIL	11/07/1995	11/07/1995

Approved by:

Tabatha Brochu
NET, INC. Project Manager

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50231
Sample Description: WO-S-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
ICP/AA Digestion - Water	ICP	-			11/14/1995	
TCLP EXTRACTION PREP	1311	-			11/13/1995	
TCLP - Cadmium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Chromium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Lead, ICP	6010	ND	0.05	mg/L	11/15/1995	
VOLATILE COMPOUNDS (S) - 8260						
Dilution Factor		1			11/09/1995	
Dichlorodifluoromethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
Vinyl Chloride	8260	ND	5.0	ug/Kg	11/09/1995	
Bromomethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Trichlorofluoromethane	8260	ND	5.0	ug/Kg	11/09/1995	
1,1-Dichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
Carbon Disulfide	8260	ND	5.0	ug/Kg	11/09/1995	
Acetone	8260	ND	20	ug/Kg	11/09/1995	
Methylene Chloride	8260	ND	50	ug/Kg	11/09/1995	
trans-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1_Dichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Vinyl Acetate	8260	ND	5.0	ug/Kg	11/09/1995	
2,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
cis-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
2-Butanone	8260	ND	20	ug/Kg	11/09/1995	
Bromochloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chloroform	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,1-Trichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Carbon Tetrachloride	8260	ND	5.0	ug/Kg	11/09/1995	
1,1-Dichloropropene	8260	ND	5.0	ug/Kg	11/09/1995	
Benzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Trichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50231
Sample Description: WO-S-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Dibromomethane	8260	ND	5.0	ug/Kg	11/09/1995	
Bromodichloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
cis-1,3-Dichloropropene	8260	ND	5.0	ug/Kg	11/09/1995	
MIBK	8260	ND	20	ug/Kg	11/09/1995	
Toluene	8260	ND	5.0	ug/Kg	11/09/1995	
trans-1,2-Dichloropropene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,2-Trichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Tetrachloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
1,3-Dichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
2-Hexanone	8260	ND	20	ug/Kg	11/09/1995	
Dibromochloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dibromomethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,1,2-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Ethyl Benzene	8260	ND	5.0	ug/Kg	11/09/1995	
m,p-xylene	8260	ND	5.0	ug/Kg	11/09/1995	
o-xylene	8260	ND	5.0	ug/Kg	11/09/1995	
Styrene	8260	ND	5.0	ug/Kg	11/09/1995	
Bromoform	8260	ND	5.0	ug/Kg	11/09/1995	
Isopropylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
Bromobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,2,2,-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,3-Trichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
N-Propylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
2-Chlorotoluene	8260	ND	5.0	ug/Kg	11/09/1995	
4-Chlorotoluene	8260	ND	5.0	ug/Kg	11/09/1995	
1,3,5-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
tert-Butylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,4-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
sec-Butylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
p-isopropyltoluene	8260	ND	5.0	ug/Kg	11/09/1995	
1,3-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number 50231 — Sample Description WO-S-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
1,4-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,3-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
n-Butylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dibromo-3-Chloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,4-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
Hexachlorobutadiene	8260	ND	5.0	ug/Kg	11/09/1995	
Naphthalene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,3-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number 50232 — Sample Description WO-S-2 (10')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number 50233 — Sample Description WO-N-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50233 — Sample Description: WO-N-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number: 50234 — Sample Description: WO-N-2 (9')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number: 50235 — Sample Description: SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
ICP/AA Digestion - Water	ICP	-			11/14/1995	
TCLP EXTRACTION PREP	1311	-			11/13/1995	
TCLP - Arsenic, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Barium, ICP	6010	1.4	0.05	mg/L	11/15/1995	
TCLP - Cadmium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Chromium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Lead, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Mercury	7470	ND	0.0002	mg/L	11/14/1995	
TCLP - Selenium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Silver, ICP	6010	ND	0.05	mg/L	11/15/1995	
VOLATILE COMPOUNDS (S) - 8260						

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number	Sample Description
50235	SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Dilution Factor		5			11/13/1995	
Dichlorodifluoromethane	8260	ND	20	ug/Kg	11/13/1995	
Chloromethane	8260	ND	20	ug/Kg	11/13/1995	
Vinyl Chloride	8260	ND	20	ug/Kg	11/13/1995	
Bromomethane	8260	ND	20	ug/Kg	11/13/1995	
Chloroethane	8260	ND	20	ug/Kg	11/13/1995	
Trichlorofluoromethane	8260	ND	20	ug/Kg	11/13/1995	
1,1-Dichloroethene	8260	ND	20	ug/Kg	11/13/1995	
Carbon Disulfide	8260	ND	20	ug/Kg	11/13/1995	
Acetone	8260	ND	100	ug/Kg	11/13/1995	
Methylene Chloride	8260	ND	200	ug/Kg	11/13/1995	
trans-1,2-Dichloroethene	8260	ND	20	ug/Kg	11/13/1995	
1,1_Dichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Vinyl Acetate	8260	ND	20	ug/Kg	11/13/1995	
2,2-Dichloropropane	8260	ND	20	ug/Kg	11/13/1995	
cis-1,2-Dichloroethene	8260	ND	20	ug/Kg	11/13/1995	
2-Butanone	8260	ND	100	ug/Kg	11/13/1995	
Bromochloromethane	8260	ND	20	ug/Kg	11/13/1995	
Chloroform	8260	ND	20	ug/Kg	11/13/1995	
1,1,1-Trichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Carbon Tetrachloride	8260	ND	20	ug/Kg	11/13/1995	
1,1-Dichloropropene	8260	ND	20	ug/Kg	11/13/1995	
Benzene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Trichloroethene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dichloropropane	8260	ND	20	ug/Kg	11/13/1995	
Dibromomethane	8260	ND	20	ug/Kg	11/13/1995	
Bromodichloromethane	8260	ND	20	ug/Kg	11/13/1995	
cis-1,3-Dichloropropene	8260	ND	20	ug/Kg	11/13/1995	
MIBK	8260	ND	100	ug/Kg	11/13/1995	
Toluene	8260	ND	20	ug/Kg	11/13/1995	
trans-1,2-Dichloropropene	8260	ND	20	ug/Kg	11/13/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50235
Sample Description: SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
1,1,2-Trichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Tetrachloroethene	8260	ND	20	ug/Kg	11/13/1995	
1,3-Dichloropropane	8260	ND	20	ug/Kg	11/13/1995	
2-Hexanone	8260	ND	100	ug/Kg	11/13/1995	
Dibromochloromethane	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dibromomethane	8260	ND	20	ug/Kg	11/13/1995	
Chlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,1,1,2-Tetrachloroethane	8260	ND	20	ug/Kg	11/13/1995	
Ethyl Benzene	8260	ND	20	ug/Kg	11/13/1995	
m,p-xylene	8260	ND	20	ug/Kg	11/13/1995	
o-xylene	8260	ND	20	ug/Kg	11/13/1995	
Styrene	8260	ND	20	ug/Kg	11/13/1995	
Bromoform	8260	ND	20	ug/Kg	11/13/1995	
Isopropylbenzene	8260	ND	20	ug/Kg	11/13/1995	
Bromobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,1,2,2,-Tetrachloroethane	8260	ND	20	ug/Kg	11/13/1995	
1,2,3-Trichloropropane	8260	ND	20	ug/Kg	11/13/1995	
N-Propylbenzene	8260	ND	20	ug/Kg	11/13/1995	
2-Chlorotoluene	8260	ND	20	ug/Kg	11/13/1995	
4-Chlorotoluene	8260	ND	20	ug/Kg	11/13/1995	
1,3,5-Trimethylbenzene	8260	ND	20	ug/Kg	11/13/1995	
tert-Butylbenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2,4-Trimethylbenzene	8260	ND	20	ug/Kg	11/13/1995	
sec-Butylbenzene	8260	ND	20	ug/Kg	11/13/1995	
p-isopropyltoluene	8260	ND	20	ug/Kg	11/13/1995	
1,3-Dichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,4-Dichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2,3-Trimethylbenzene	8260	ND	20	ug/Kg	11/13/1995	
n-Butylbenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dibromo-3-Chloropropane	8260	ND	20	ug/Kg	11/13/1995	
1,2,4-Trichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50235
Sample Description: SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Hexachlorobutadiene	8260	ND	20	ug/Kg	11/13/1995	
Naphthalene	8260	ND	20	ug/Kg	11/13/1995	
1,2,3-Trichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
PESTICIDES/PCB'S - 8080						
Aldrin	8080	ND	5.0	ug/Kg	11/17/1995	
alpha-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
beta-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
gamma-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
delta-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
Chlordane	8080	ND	50	ug/Kg	11/17/1995	
4,4'-DDD	8080	ND	5.0	ug/Kg	11/17/1995	
4,4'-DDE	8080	ND	5.0	ug/Kg	11/17/1995	
4,4'-DDT	8080	ND	5.0	ug/Kg	11/17/1995	
Dieldrin	8080	ND	5.0	ug/Kg	11/17/1995	
Endosulfan I	8080	ND	5.0	ug/Kg	11/17/1995	
Endosulfan II	8080	ND	5.0	ug/Kg	11/17/1995	
Endosulfan Sulfate	8080	ND	5.0	ug/Kg	11/17/1995	
Endrin	8080	ND	5.0	ug/Kg	11/17/1995	
Endrin Aldehyde	8080	ND	5.0	ug/Kg	11/17/1995	
Heptachlor	8080	ND	5.0	ug/Kg	11/17/1995	
Heptachlor Epoxide	8080	ND	5.0	ug/Kg	11/17/1995	
Methoxychlor	8080	ND	10	ug/Kg	11/17/1995	
Toxaphene	8080	ND	10	ug/Kg	11/17/1995	
PCB-1016	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1221	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1232	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1242	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1248	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1254	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1260	8080	ND	5.0	ug/Kg	11/17/1995	
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number 50235 — Sample Description SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	Diesel	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	
OAR TPH-DIESEL (S) PREP		-	-		11/08/1995	
OAR TPH-DIESEL (S)						
Dilution Factor		1	-		11/08/1995	
TPH-Diesel	OAR-D	720	20	mg/Kg	11/08/1995	
OAR TPH-418.1M (S) PREP		-	-		11/14/1995	
OAR TPH-418.1M (S)	TPH-418.1M	200	5	mg/Kg	11/15/1995	

Sample Number 50236 — Sample Description SP-2

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

SURROGATE REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

SURROGATES	METHODS	RESULTS		DATE ANALYZED	FLAG
Sample Number	Sample Description				
50231	WO-S-1 (15')				
1,2-Dichloroethane-d4	8260	95	%	11/09/1995	
Toluene-d8	8260	100	%	11/09/1995	
4-Bromofluorobenzene	8260	99	%	11/09/1995	
o-Terphenyl (Surr.)	OAR-HCID	99	%	11/07/1995	
Sample Number	Sample Description				
50232	WO-S-2 (10')				
o-Terphenyl (Surr.)	OAR-HCID	103	%	11/07/1995	
Sample Number	Sample Description				
50233	WO-N-1 (15')				
o-Terphenyl (Surr.)	OAR-HCID	104	%	11/07/1995	
Sample Number	Sample Description				
50234	WO-N-2 (9')				
o-Terphenyl (Surr.)	OAR-HCID	100	%	11/07/1995	
Sample Number	Sample Description				
50235	SP-1				
1,2-Dichloroethane-d4	8260	96	%	11/13/1995	
Toluene-d8	8260	90	%	11/13/1995	
4-Bromofluorobenzene	8260	99	%	11/13/1995	
Dibutylchlorendate (Surr.)	8080	86	%	11/17/1995	
o-Terphenyl (Surr.)	OAR-HCID	MI	%	11/07/1995	
o-Terphenyl (Surr.)	OAR-D	MI	%	11/08/1995	
Sample Number	Sample Description				
50236	SP-2				

Note: Recovery limits for 8240, 8260, 8270, 624, 625 specified in method.
Gasoline, Diesel, HCID limits 50-150%. 8010/8020 limits 70-130%.

SURROGATE REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Page: 11

Project Name: CF-PTM
Date Received: 11/07/1995

SURROGATES	METHODS	RESULTS		DATE ANALYZED	FLAG
Sample Number	**Sample Description**				
50236	SP-2				
o-Terphenyl (Surr.)	OAR-HCID	103	%	11/07/1995	

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	CCV True Concentration	Concentration Found	Percent Recovery	Date Analyzed
TCLP - Arsenic, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Barium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Cadmium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Chromium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Lead, ICP	0.500	0.500	100.0	11/15/1995
TCLP - Mercury	0.00200	0.00208	104.0	11/14/1995
TCLP - Selenium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Silver, ICP	0.500	0.490	98.0	11/15/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	53.1	106.2	11/08/1995
Benzene	50	52.7	105.4	11/08/1995
Chlorobenzene	50	51.1	102.2	11/08/1995
Toluene	50	51.2	102.4	11/08/1995
Trichloroethene	50	51.6	103.2	11/08/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	53.9	107.8	11/09/1995
Benzene	50	52.6	105.2	11/09/1995
Chlorobenzene	50	51.5	103.0	11/09/1995
Toluene	50	50.8	101.6	11/09/1995
Trichloroethene	50	51.5	103.0	11/09/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	56.4	112.8	11/13/1995
Benzene	50	52.6	105.2	11/13/1995
Chlorobenzene	50	52.1	104.2	11/13/1995
Toluene	50	51.9	103.8	11/13/1995
Trichloroethene	50	52.2	104.4	11/13/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	52.9	105.8	11/14/1995
Benzene	50	49.4	98.8	11/14/1995
Chlorobenzene	50	49.0	98.0	11/14/1995

CCV - Continuing Calibration Verification

Note: Recovery limits for 8240, 8260, 8270, 8010, 8020, 624, 625 specified in method.
Gasoline, Diesel, 418.1, 418.1M limits 80-120%. Metals recovery limits 80-120%.

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	CCV True Concentration	Concentration Found	Percent Recovery	Date Analyzed
Toluene	50	48.9	97.8	11/14/1995
Trichloroethene	50	49.3	98.6	11/14/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	49.6	99.2	11/15/1995
Benzene	50	51.0	102.0	11/15/1995
Chlorobenzene	50	51.8	103.6	11/15/1995
Toluene	50	51.6	103.2	11/15/1995
Trichloroethene	50	51.4	102.8	11/15/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1817	109.7	11/09/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1817	109.7	11/09/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1757	106.1	11/09/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1756	106.0	11/09/1995
OAR TPH-418.1M (S)	49.2	50.7	103.0	11/15/1995
OAR TPH-418.1M (S)	49.2	54.1	110.0	11/15/1995

CCV - Continuing Calibration Verification

Note: Recovery limits for 8240, 8260, 8270, 8010, 8020, 624, 625 specified in method.
Gasoline, Diesel, 418.1, 418.1M limits 80-120%. Metals recovery limits 80-120%.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	LCS True Concentration	Concentration Found	LCS % Recovery	Date Analyzed
TCLP - Arsenic, ICP	0.500	0.510	102.0	11/15/1995
TCLP - Barium, ICP	0.500	0.530	106.0	11/15/1995
TCLP - Cadmium, ICP	0.500	0.480	96.0	11/15/1995
TCLP - Chromium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Lead, ICP	0.500	0.500	100.0	11/15/1995
TCLP - Mercury	0.00100	0.00105	105.0	11/14/1995
TCLP - Selenium, ICP	0.500	0.470	94.0	11/15/1995
TCLP - Silver, ICP	0.500	0.510	102.0	11/15/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	54.4	108.8	11/08/1995
Benzene	50	54.5	109.0	11/08/1995
Chlorobenzene	50	51.5	103.0	11/08/1995
Toluene	50	52.9	105.8	11/08/1995
Trichloroethene	50	51.8	103.6	11/08/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	51.7	103.4	11/09/1995
Benzene	50	53.5	107.0	11/09/1995
Chlorobenzene	50	50.6	101.2	11/09/1995
Toluene	50	52.0	104.0	11/09/1995
Trichloroethene	50	51.0	102.0	11/09/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	51.9	103.8	11/13/1995
Benzene	50	51.1	102.2	11/13/1995
Chlorobenzene	50	49.5	99.0	11/13/1995
Toluene	50	49.1	98.2	11/13/1995
Trichloroethene	50	50.3	100.6	11/13/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	49.1	98.2	11/14/1995
Benzene	50	48.1	96.2	11/14/1995
Chlorobenzene	50	46.4	92.8	11/14/1995

LCS - Laboratory Control Standard

Note: Recovery limits for fuels 80-120%. 8010, 8020, 8240, 8260, 8270, 624, 625 specified in method.
Recovery limits for metals analyses 80-120%. 418.1 limits are 90-140%.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	LCS True Concentration	Concentration Found	LCS % Recovery	Date Analyzed
Toluene	50	47.2	94.4	11/14/1995
Trichloroethene	50	48.9	97.8	11/14/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	49.2	98.4	11/15/1995
Benzene	50	51.0	102.0	11/15/1995
Chlorobenzene	50	51.6	103.2	11/15/1995
Toluene	50	52.2	104.4	11/15/1995
Trichloroethene	50	50.4	100.8	11/15/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	50	90	83.3	11/17/1995
o-Terphenyl (Surr.)	100	111	111.0	11/17/1995
OAR TPH-418.1M (S)	49.9	59.2	118.6	11/16/1995

LCS - Laboratory Control Standard

Note: Recovery limits for fuels 80-120%. 8010, 8020, 8240, 8260, 8270, 624, 625 specified in method. Recovery limits for metals analyses 80-120%. 418.1 limits are 90-140%.

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	Matrix Spike Result	Sample Result	Spike Amount	Units	Percent Recovery	MSD Result	MSD Spike Amount	Units	Percent Recovery	MS/MSD RPD
TCLP - Arsenic, ICP	0.530	ND	0.500	mg/L	106.0	0.530	0.500	mg/L	106.0	0.0
TCLP - Barium, ICP	1.5	0.920	0.500	mg/L	116.0	1.4	0.500	mg/L	96.0	18.8
TCLP - Cadmium, ICP	0.480	ND	0.500	mg/L	96.0	0.480	0.500	mg/L	96.0	0.0
TCLP - Chromium, ICP	0.470	ND	0.500	mg/L	94.0	0.470	0.500	mg/L	94.0	0.0
TCLP - Lead, ICP	0.470	ND	0.500	mg/L	94.0	0.470	0.500	mg/L	94.0	0.0
TCLP - Mercury	0.00206	ND	0.0020	mg/L	103.0	0.0020	0.0020	mg/L	100.0	3.0
TCLP - Selenium, ICP	0.490	0.005	0.500	mg/L	97.0	0.490	0.500	mg/L	97.0	0.0
TCLP - Silver, ICP	0.520	ND	0.500	mg/L	104.0	0.520	0.500	mg/L	104.0	0.0
VOLATILE COMPOUNDS (S) - 82										
Benzene	0.26	ND	0.25	mg/Kg	104.0	0.26	0.25	mg/Kg	104.0	0.0
Chlorobenzene	0.26	ND	0.25	mg/Kg	104.0	0.25	0.25	mg/Kg	100.0	3.9
1,1-Dichloroethene	0.29	ND	0.25	mg/Kg	116.0	0.27	0.25	mg/Kg	108.0	7.1
Toluene	0.26	ND	0.25	mg/Kg	104.0	0.25	0.25	mg/Kg	100.0	3.9
Trichloroethene	0.25	ND	0.25	mg/Kg	100.0	0.25	0.25	mg/Kg	100.0	0.0
VOLATILE COMPOUNDS (S) - 82										
Benzene	5.3	ND	5.0	mg/Kg	106.0	5.5	5.0	mg/Kg	110.0	3.7
Chlorobenzene	5.3	ND	5.0	mg/Kg	106.0	5.3	5.0	mg/Kg	106.0	0.0
1,1-Dichloroethene	6.0	ND	5.0	mg/Kg	120.0	5.7	5.0	mg/Kg	114.0	5.1
Toluene	5.6	0.77	5.0	mg/Kg	96.6	5.7	5.0	mg/Kg	98.6	2.0
Trichloroethene	5.2	ND	5.0	mg/Kg	104.0	5.3	5.0	mg/Kg	106.0	1.9

NOTE: Matrix Spike Samples may not be samples from this job.

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
dil.= Diluted Out

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
TCLP - Arsenic, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Barium, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Cadmium, ICP	ND	0.002	mg/L	11/15/1995
TCLP - Chromium, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Lead, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Mercury	ND	0.0002	mg/L	11/14/1995
TCLP - Selenium, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Silver, ICP	ND	0.005	mg/L	11/15/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/08/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/08/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/08/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/08/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/08/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/08/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/08/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/08/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/08/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/08/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/08/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/08/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/08/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/08/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/08/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/08/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/08/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
2-Butanone	ND	20	ug/Kg	11/08/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/08/1995
2-Hexanone	ND	20	ug/Kg	11/08/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/08/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/08/1995
MIBK	ND	20	ug/Kg	11/08/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/08/1995
Acetone	ND	20	ug/Kg	11/08/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/08/1995
Benzene	ND	5.0	ug/Kg	11/08/1995
Bromobenzene	ND	5.0	ug/Kg	11/08/1995
Bromochloromethane	ND	5.0	ug/Kg	11/08/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/08/1995
Bromoform	ND	5.0	ug/Kg	11/08/1995
Bromomethane	ND	5.0	ug/Kg	11/08/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/08/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/08/1995
Chlorobenzene	ND	5.0	ug/Kg	11/08/1995
Chloroethane	ND	5.0	ug/Kg	11/08/1995
Chloroform	ND	5.0	ug/Kg	11/08/1995
Chloromethane	ND	5.0	ug/Kg	11/08/1995
Dibromomethane	ND	5.0	ug/Kg	11/08/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/08/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/08/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/08/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/08/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Methylene Chloride	ND	50	ug/Kg	11/08/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/08/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/08/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/08/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/08/1995
Naphthalene	ND	5.0	ug/Kg	11/08/1995
Styrene	ND	5.0	ug/Kg	11/08/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/08/1995
Toluene	ND	5.0	ug/Kg	11/08/1995
Trichloroethene	ND	5.0	ug/Kg	11/08/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/08/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/08/1995
m,p-xylene	ND	5.0	ug/Kg	11/08/1995
o-xylene	ND	5.0	ug/Kg	11/08/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/08/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/08/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/08/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/08/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/08/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/08/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/08/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/08/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/08/1995
1,2-Dichloroethane-d4	92		%	11/08/1995
Toluene-d8	89		%	11/08/1995
4-Bromofluorobenzene	102		%	11/08/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/09/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/09/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/09/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/09/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/09/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/09/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/09/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/09/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/09/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/09/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/09/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/09/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/09/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/09/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/09/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/09/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/09/1995
2-Butanone	ND	20	ug/Kg	11/09/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/09/1995
2-Hexanone	ND	20	ug/Kg	11/09/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/09/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/09/1995
MIBK	ND	20	ug/Kg	11/09/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/09/1995
Acetone	ND	20	ug/Kg	11/09/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/09/1995
Benzene	ND	5.0	ug/Kg	11/09/1995
Bromobenzene	ND	5.0	ug/Kg	11/09/1995
Bromochloromethane	ND	5.0	ug/Kg	11/09/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/09/1995
Bromoform	ND	5.0	ug/Kg	11/09/1995
Bromomethane	ND	5.0	ug/Kg	11/09/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/09/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/09/1995
Chlorobenzene	ND	5.0	ug/Kg	11/09/1995
Chloroethane	ND	5.0	ug/Kg	11/09/1995
Chloroform	ND	5.0	ug/Kg	11/09/1995
Chloromethane	ND	5.0	ug/Kg	11/09/1995
Dibromomethane	ND	5.0	ug/Kg	11/09/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/09/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/09/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/09/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/09/1995
Methylene Chloride	ND	50	ug/Kg	11/09/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/09/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/09/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/09/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/09/1995
Naphthalene	ND	5.0	ug/Kg	11/09/1995
Styrene	ND	5.0	ug/Kg	11/09/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/09/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Toluene	ND	5.0	ug/Kg	11/09/1995
Trichloroethene	ND	5.0	ug/Kg	11/09/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/09/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/09/1995
m,p-xylene	ND	5.0	ug/Kg	11/09/1995
o-xylene	ND	5.0	ug/Kg	11/09/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/09/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/09/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/09/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/09/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/09/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/09/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/09/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/09/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/09/1995
1,2-Dichloroethane-d4	95		%	11/09/1995
Toluene-d8	89		%	11/09/1995
4-Bromofluorobenzene	99		%	11/09/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/13/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/13/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/13/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/13/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/13/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/13/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/13/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,1-Dichloroethene	ND	5.0	ug/Kg	11/13/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/13/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/13/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/13/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/13/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/13/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/13/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/13/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/13/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/13/1995
2-Butanone	ND	20	ug/Kg	11/13/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/13/1995
2-Hexanone	ND	20	ug/Kg	11/13/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/13/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/13/1995
MIBK	ND	20	ug/Kg	11/13/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/13/1995
Acetone	ND	20	ug/Kg	11/13/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/13/1995
Benzene	ND	5.0	ug/Kg	11/13/1995
Bromobenzene	ND	5.0	ug/Kg	11/13/1995
Bromochloromethane	ND	5.0	ug/Kg	11/13/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/13/1995
Bromoform	ND	5.0	ug/Kg	11/13/1995
Bromomethane	ND	5.0	ug/Kg	11/13/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/13/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Carbon Tetrachloride	ND	5.0	ug/Kg	11/13/1995
Chlorobenzene	ND	5.0	ug/Kg	11/13/1995
Chloroethane	ND	5.0	ug/Kg	11/13/1995
Chloroform	ND	5.0	ug/Kg	11/13/1995
Chloromethane	ND	5.0	ug/Kg	11/13/1995
Dibromomethane	ND	5.0	ug/Kg	11/13/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/13/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/13/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/13/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/13/1995
Methylene Chloride	ND	50	ug/Kg	11/13/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/13/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/13/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/13/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/13/1995
Naphthalene	ND	5.0	ug/Kg	11/13/1995
Styrene	ND	5.0	ug/Kg	11/13/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/13/1995
Toluene	ND	5.0	ug/Kg	11/13/1995
Trichloroethene	ND	5.0	ug/Kg	11/13/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/13/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/13/1995
m,p-xylene	ND	5.0	ug/Kg	11/13/1995
o-xylene	ND	5.0	ug/Kg	11/13/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/13/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/13/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
n-Butylbenzene	ND	5.0	ug/Kg	11/13/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/13/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/13/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/13/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/13/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/13/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/13/1995
1,2-Dichloroethane-d4	89		%	11/13/1995
Toluene-d8	100		%	11/13/1995
4-Bromofluorobenzene	100		%	11/13/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/14/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/14/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/14/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/14/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/14/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/14/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/14/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/14/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/14/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/14/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/14/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/14/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/14/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/14/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/14/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/14/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/14/1995
2-Butanone	ND	20	ug/Kg	11/14/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/14/1995
2-Hexanone	ND	20	ug/Kg	11/14/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/14/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/14/1995
MIBK	ND	20	ug/Kg	11/14/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/14/1995
Acetone	ND	20	ug/Kg	11/14/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/14/1995
Benzene	ND	5.0	ug/Kg	11/14/1995
Bromobenzene	ND	5.0	ug/Kg	11/14/1995
Bromochloromethane	ND	5.0	ug/Kg	11/14/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/14/1995
Bromoform	ND	5.0	ug/Kg	11/14/1995
Bromomethane	ND	5.0	ug/Kg	11/14/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/14/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/14/1995
Chlorobenzene	ND	5.0	ug/Kg	11/14/1995
Chloroethane	ND	5.0	ug/Kg	11/14/1995
Chloroform	ND	5.0	ug/Kg	11/14/1995
Chloromethane	ND	5.0	ug/Kg	11/14/1995
Dibromomethane	ND	5.0	ug/Kg	11/14/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/14/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/14/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/14/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/14/1995
Methylene Chloride	ND	50	ug/Kg	11/14/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/14/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/14/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/14/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/14/1995
Naphthalene	ND	5.0	ug/Kg	11/14/1995
Styrene	ND	5.0	ug/Kg	11/14/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/14/1995
Toluene	ND	5.0	ug/Kg	11/14/1995
Trichloroethene	ND	5.0	ug/Kg	11/14/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/14/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/14/1995
m,p-xylene	ND	5.0	ug/Kg	11/14/1995
o-xylene	ND	5.0	ug/Kg	11/14/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/14/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/14/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/14/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/14/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/14/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/14/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/14/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/14/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/14/1995
1,2-Dichloroethane-d4	100		%	11/14/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Toluene-d8	88		%	11/14/1995
4-Bromofluorobenzene	104		%	11/14/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/15/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/15/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/15/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/15/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/15/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/15/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/15/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/15/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/15/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/15/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/15/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/15/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/15/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/15/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/15/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/15/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/15/1995
2-Butanone	ND	20	ug/Kg	11/15/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/15/1995
2-Hexanone	ND	20	ug/Kg	11/15/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/15/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/15/1995
MIBK	ND	20	ug/Kg	11/15/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/15/1995
Acetone	ND	20	ug/Kg	11/15/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/15/1995
Benzene	ND	5.0	ug/Kg	11/15/1995
Bromobenzene	ND	5.0	ug/Kg	11/15/1995
Bromochloromethane	ND	5.0	ug/Kg	11/15/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/15/1995
Bromoform	ND	5.0	ug/Kg	11/15/1995
Bromomethane	ND	5.0	ug/Kg	11/15/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/15/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/15/1995
Chlorobenzene	ND	5.0	ug/Kg	11/15/1995
Chloroethane	ND	5.0	ug/Kg	11/15/1995
Chloroform	ND	5.0	ug/Kg	11/15/1995
Chloromethane	ND	5.0	ug/Kg	11/15/1995
Dibromomethane	ND	5.0	ug/Kg	11/15/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/15/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/15/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/15/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/15/1995
Methylene Chloride	ND	50	ug/Kg	11/15/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/15/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/15/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/15/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/15/1995
Naphthalene	ND	5.0	ug/Kg	11/15/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Styrene	ND	5.0	ug/Kg	11/15/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/15/1995
Toluene	ND	5.0	ug/Kg	11/15/1995
Trichloroethene	ND	5.0	ug/Kg	11/15/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/15/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/15/1995
m,p-xylene	ND	5.0	ug/Kg	11/15/1995
o-xylene	ND	5.0	ug/Kg	11/15/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/15/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/15/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/15/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/15/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/15/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/15/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/15/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/15/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/15/1995
1,2-Dichloroethane-d4	103		%	11/15/1995
Toluene-d8	100		%	11/15/1995
4-Bromofluorobenzene	97		%	11/15/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	ND	20	mg/Kg	11/08/1995
o-Terphenyl (Surr.)	88	-	%	11/08/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	ND	20	mg/Kg	11/09/1995
o-Terphenyl (Surr.)	85	-	%	11/09/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
OAR TPH-418.1M (S)	ND	5	mg/Kg	11/15/1995
OAR TPH-418.1M (S)	ND	5	mg/Kg	11/16/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
DUPLICATES

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	Original Analysis	Duplicate Analysis	Units	RPD	Date Analyzed	Flag
OAR TPH-HCID (S)						
Gasoline	ND	ND	mg/Kg		11/06/1995	
Diesel	ND	ND	mg/Kg		11/06/1995	F,R
Heavy Oil	H. Oil	H. Oil	mg/Kg		11/06/1995	
OAR TPH-HCID (S)						
Gasoline	ND		mg/Kg		11/06/1995	
Diesel	Diesel		mg/Kg		11/06/1995	F
Heavy Oil	H. Oil		mg/Kg		11/06/1995	
OAR TPH-HCID (S)						
Gasoline	ND	ND	mg/Kg		11/06/1995	
Diesel	Diesel	Diesel	mg/Kg		11/06/1995	
Heavy Oil	ND	ND	mg/Kg		11/06/1995	
OAR TPH-HCID (S)						
Gasoline	ND	ND	mg/Kg		11/07/1995	
Diesel	ND	ND	mg/Kg		11/07/1995	
Heavy Oil	ND	ND	mg/Kg		11/07/1995	
OAR TPH-DIESEL (S)						
TPH-Diesel	720	720	mg/Kg	0.0	11/08/1995	
OAR TPH-DIESEL (S)						
TPH-Diesel	ND	ND	mg/Kg		11/10/1995	
OAR TPH-DIESEL (S)						
TPH-Diesel	ND	ND	mg/Kg		11/10/1995	
OAR TPH-418.1M (S)	19400	17700	mg/Kg	9.2	11/15/1995	
OAR TPH-418.1M (S)	1700	1800	mg/Kg	5.7	11/15/1995	R

NOTE: Duplicates may not be samples from this job.

RPD - Relative Percent Difference

A	This sample does not have a typical gasoline pattern.
B1	This sample does not have a typical diesel pattern.
B	The blank exhibited a positive result greater than the reporting limit for this compound.
C	The sample appears to contain a lighter hydrocarbon than gasoline.
D	The sample appears to extend to a heavier hydrocarbon range than gasoline.
E	The sample appears to extend to a lighter hydrocarbon range than diesel.
F	The sample appears to extend to a heavier hydrocarbon range than diesel.
G	The positive result for gasoline is due to single component comtamination.
H	The gasoline elution pattern for the sample is not typical.
I	The oil pattern for this sample is not typical.
J	The result for this compound is an estimated concentration.
L	The LCS recovery exceeded control limits. See the LCS page of this report.
M	MS and/or MSD percent recovery exceeds control limits.
MR	The MS/MSD RPD is greater than 20%. The sample was re-extracted and re-analyzed with similar results. This is due to a matrix interference, likely a non-homogeneity of the sample.
P	A post digestion spike was analyzed, and recoveries are within control limits.
Q	Detection limits elevated due to sample matrix.
R	The duplicate RPD was greater than 20%. The sample was re-extracted and re-analyzed with similar results. This indicates a matrix interference in the sample, likely a non-homogeneity of the sample.
SR	Surrogate recovery outside control limits. See the surrogate page of the report.
W	The duplicate RPD was greater than 20%. Due to insufficient sample, re-analysis was not possible.
X	Sample was analyzed outside recommended holding times.
Y	The result for this parameter was greater than the TCLP regulatory limit.
Z	The pattern seen for the parameter being analyzed is not typical.

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

CHAIN OF CUSTODY RECORD

JOB # 95031 | PROJECT NAME/LOCATION: CF-PTM | TURNAROUND TIME: 1 DAY(S)

SAMPLERS (SIGNATURE):

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)	TPH-HCID	8260	TCLP(3)	TCLP(8)	8080	~~418~~ 418.1	REMARKS
11-7-95	8:15		X	WO-S-1 (15')	1							X	X	X				
11-7-95	8:25		X	WO-S-2 (10')	1							X						
11-7-95	8:35		X	WO-N-1 (15')	1							X						
11-7-95	8:45		X	WO-N-2 (9')	1							X						
11-7-95	8:55		X	SP-1	1							X	X		X	X	X	
11-7-95	9:00		X	SP-2	1							X						

REQUESTED BY: Ramon Khu

RESULTS AND INVOICE TO: CF Motor Freight c/o Blymyer Engineers

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
	11/7/95 2:25			11/7/95 1425	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS:	

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

SCHNITZER STEEL PRODUCTS CO.
INTERNATIONAL TERMINAL
12005 N. BURGARD, PORTLAND, OR 97203
(503) 286-5771

BILL OF SALE NO.
FE- 433888

Hagworth, Dan
6000 gallon tank
2010 Riverside Way

CONTRACT NUMBER

COMMODITY NUMBER 103

COMM. DESC. tank

20360 G lb 01:47 PM 10/07/95 ◀ G

14160 G lb 02:06 PM 10/07/95 ◀ T

6200 ◀ N

I REPRESENT AND WARRANT THAT THIS MATERIAL DOES NOT CONTAIN A HAZARDOUS SUBSTANCE AS DEFINED BY FEDERAL OR STATE LAW, AND I AGREE TO INDEMNIFY SCHNITZER STEEL PROD. CO. AGAINST ALL CLAIMS.

FURTHER, IF YOU SELL US CAR BODIES, REFRIGERATORS, AIR CONDITIONERS OR OTHER MANUFACTURED ITEMS THAT CONTAIN CFC'S OR FREONS, YOU CERTIFY THAT THE CFC'S OR FREONS HAVE BEEN REMOVED IN ACCORDANCE WITH THE CLEAN AIR ACT, AND, THAT "SEALED UNITS" AND COMPRESSORS HAVE BEEN EMPTIED OF ALL OIL OR OIL PRODUCTS.

PRICE	EXTENDED	WEIGHER
70	217.00	SP
CARRIER	TRACTOR NO.	TIME

I hereby state that I am the lawful owner of the material described hereon, that I have a right to sell same and that for payment received in full, hereby acknowledged, I sell and convey title of same to SCHNITZER STEEL PRODUCTS CO.

X [signature]

S1008 (Rev. 10/92)

CUSTOMER

EPA #ORQ 001010269
PUC #206271

STRAIGHT BILL OF LADING

ORIGINAL - NOT NEGOTIABLE

CET ENVIRONMENTAL SERVICES, INC.
5315 NW St. Helens Rd.
Portland, OR 97210
Phone (503) 241-3827 FAX (503) 241-8259

Shipper No. 1670-001
Carrier No. 5734
Date 11-2-95

TO: Consignee HARBOR OIL	FROM: Shipper CONSOLIDATED FREIGHTWAYS
Street 11535 N. FOLEY AVE	Street 2010 N.E. RIVERSIDE AV
Destination PORTLAND, OR Zip Code	Origin PORTLAND, OR
Route	Vehicle Number

No. Shipping Units	HM*	Kind of Packaging, Description of Articles, Special Marks and Exceptions	Weight (subject to correction)	Rate	CHARGES
		WASTE MOTOR OIL			
1 DRUM		NON HAZARDOUS	650LBS		
		NOT REGULATED BY DOT			
		Jeff Jansen			
		If spill should occur, dike and contain material, then call CET Environmental Services 24 hour spill response at (503) 241-3827.			

REMIT C.O.D. TO: ADDRESS

COD Amt: $

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ per

This is to certify that the above named materials are properly classified, described, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Signature

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of the shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

TOTAL CHARGES: $

FREIGHT CHARGES: FREIGHT PREPAID Check box if charges except when box is to be collected ☐ collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.

Shipper hereby certifies that he is familiar with all the bill of lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER	CARRIER CET ENVIRONMENTAL SERVICES, INC.
PER	PER
	DATE 11-2-95

Hazardous Materials

City of Portland
FIRE PREVENTION DIVISION
55 S.W. Ash Street
Portland, OR 97204 Phone: 248-0203

PERMIT NUMBER 951086

FEE AMOUNT $158.30

CODE 19D(1)

Subject to the compliance with the ordinances of the City of Portland, permission is hereby granted for the installation of:

_____NEW INSTALLATION _____ADDITION _____ALTERATION _____REPAIR XX REMOVE

XX LIQUIDS/TANKS _____L.P.G. _____COMPRESSED GASES _____DRY CLEANING PLANTS _____PAINT SPRAY BOOTHS

Located at 2010 NE RIVERSIDE WAY - CONSOLIDATED FREIGHTWAYS

Contractor SILVER SUN CONSTRUCTION COMPANY

Permit Issued 9-29 19 95

Fire Marshal MIKE BELL

By _____

INSPECTION RECORD:	DATE	INSPECTOR	OTHER
APPROVE TANK/CYLINDER LOCATION			
APPROVE PIPING AND VALVES			
PRESSURE TEST WITNESSED	NA		
OK TO COVER			

FINAL APPROVAL

11-8-95 _____

DATE INSPECTOR

NOTE: Keep card conspicuously posted on premises until job is completed and final inspection made.
Request for final must be made within 14 days after completion of work. Permit valid for 180 days only

Date 9-29 19 95 Cash _____ Check 1753

T 2380

Received of SILVER SUN CONSTRUCTION COMPANY

The sum of ONE HUNDRED FIFTY EIGHT DOLLARS & 30/100 $ 158.30

300.151 Rev. 4-89

By Norma Scott

BLYMYER
ENGINEERS, INC.

December 11, 1995
BEI Job No. 95031

Mr. Mitch Scheel
Oregon Department of Environmental Quality
Northwest Region
2020 S.W. Fourth Avenue, Suite 400
Portland, OR 97201-4987

26-95-305

Subject: **Underground Storage Tank Closure Report**
CF MotorFreight (PTM)
2010 N.E. Riverside Way
Portland, Oregon

Dear Mr. Scheel:

Please find enclosed for your files, Blymyer Engineers, Inc.'s *Underground Storage Tank Closure Report*, dated November 30, 1995, which details the removal of one 6,000-gallon waste oil underground storage tank (UST) at the subject site. The UST closure checklist together with all pertinent documentation will be immediately forwarded to you upon receipt of the checklist from the UST removal contractor.

Please call me at (510) 521-3773 if you have any questions.

Cordially,

Blymyer Engineers, Inc.

By: _____
Ramon Khu
Director, UST Services

Enclosure
cc: Mr. Robert Weaver, Consolidated Freightways, Inc.

rk\95031\ordeqrpt.let

1829 CLEMENT AVENUE ALAMEDA, CA 94501•1395 PHONE 510•521•3773 FAX 510•865•2594
3475 LENOX ROAD N.E. SUITE 400 ATLANTA, GA 30326 PHONE 404•238•0550 FAX 404•238•0553

LETTER OF TRANSMITTAL

BLYMYER ENGINEERS, INC.
1829 Clement Avenue
Alameda, California 94501-1396
(510) 521-3773 FAX: (510) 865-2594

DATE November 28, 1995	BEI Job No. 95031
ATTENTION: UST Section	
SITE: CF MotorFreight	
ADDRESS: 2010 NE Riverside Way	
Portland, OR 97211	
PROJECT MANGER: Ramon Khu	

Department of Environmental Quality
Northwest Region - UST Section

2020 SW Forth Avenue, Suite 400

Portland, OR 97204

We are sending you

- ☐ Invoice
- ☐ Copy of letter
- ☐ Report
- ☐ Prints
- ☐ Plans
- ☐ Work Order
- ☐ Change Order
- ☐ Specifications
- ☐ _____

Copies	Date	Number	Description
1	11/28/95		Initial 20-Day Report form for CF MotorFreight, Facility ID # 5146
			DEQ File # 26-95-305

These are transmitted as checked below:

- ☐ For signature
- ☐ For payment
- ☐ As requested
- ☐ For approval
- ☐ FOR BIDS DUE
- ☐ Approved as submitted
- ☐ Approved as noted
- ☐ Returned for Corrections
- ☐ For review and comment
- ☐ For your use/files
- ☐ Resubmit____copies for approval
- ☐ Submit____copies for distribution
- ☐ Return____corrected prints

REMARKS: The enclosed 20-Day Report Form is for your use.

COPY TO: Mr. Robert Weaver - Consolidated Freightways, Inc.

SIGNED: Adam Phillips

If enclosures are not as noted, kindly notify Blymyer Engineers, Inc. at once.

INITIAL (TWENTY DAY) REPORT FORM FOR UST CLEANUP PROJECTS

Note: This report is due twenty (20) days from the date of the release.

DEQ File No.: 26 - 95 - 305

DEQ Facility Id. No.: 5146

Site Name: CF MotorFreight

Site Address: 2010 NE Riverside Way

Portland, OR 97211

INITIAL CLEANUP INFORMATION

Type of contamination (check all that apply):

___ Gasoline ___ Diesel XX Waste Oil ___ Heating Oil
___ Other (specify) _____

(Y) N Do you believe that this cleanup project can be conducted under the requirements for an UST Cleanup Matrix site?

(Y) N Did groundwater enter the excavation? If yes, please identify the depth to groundwater in feet below ground surface 12 feet bgs.

Note: If groundwater is encountered, soil samples from the soil/water interface must be collected and analyzed for BETX and the appropriate TPH method.

Y (N) Was a sheen or odor observed on any water in the excavation?

Y (N) Did groundwater recharge within 24 hours after pumping the accumulated water from the excavation? Please describe the disposal option selected for the excavation water: A small amount of water was encountered in the UST excavation upon removal of the UST. The water was soaked up by backfill material and did not recharge.

Y (N) Are/were there any vapors present in building or utility corridors? If yes, are you continuing to monitor and mitigate any additional fire and safety hazards posed by vapors and free product? Explain: N/A

SOIL MANAGEMENT

(Y) N Will the level of contamination detected require removal of contaminated soil for treatment or disposal?

All contaminated soil temporarily stockpiled onsite prior to treatment or disposal must be contained within a bermed area, kept covered, and the entire area secured to prevent unauthorized access by the public. If you haven't done this, please explain why: _____

_____

If contaminated soil is currently stockpiled onsite, please indicate when disposal will occur or when treatment will begin: 12/6/95

Note: Contaminated soil cannot be stockpiled onsite for more than thirty (30) days without applying for a Special Letter of Authorization

Estimated volume of contaminated soil (tons or cubic yards): 90 cubic yards

Intended disposition of soils (please check one):

____ Onsite treatment, Solid Waste Letter Authorization Permit Application attached.

____ Offsite treatment, Solid Waste Letter Authorization Permit Application attached.

Note: Offsite treatment is banned within the Portland Metro boundaries (see enclosed fact sheet).

XX Thermal treatment offsite at an authorized facility.
Facility name: TPS Technologies, Inc.

____ Thermal treatment onsite with a mobil treatment unit, permit required from DEQ.
Company name: _____

____ Landfill disposal. Name of Landfill: _____

Note: Please attach additional information as necessary to explain any unusual circumstances associated with this project.

This initial report is intended to provide the Department with the basic initial information about activities associated with the release. Future reports must be much more detailed and provide a complete picture of the cleanup project.

THIS REPORT WAS PREPARED BY:

Individual: Adam Phillips Phone: (510) 521-3773
Company: Blymyer Engineers, Inc.
Address: 1829 Clement Avenue, Alameda, CA 94501

Please return this form to: DEQ - NORTHWEST REGION
UST Section
2020 SW Fourth Avenue, Suite 400
Portland, Oregon 97201

If you have questions, call (503) 229-5489 and ask for the underground storage tank (UST) Duty Officer.

REMINDER: Submit UST Decommissioning/Change-in-Service Report forms and UST Decommissioning Checklists DIRECTLY to:

DEQ - UST Compliance Program Phone (503) 229-5759
811 SW 6th
Portland, OR 97204

Failure to do so can result in delays to your project and may result in continued billing for the tank permit fees.

Please be aware that a DEQ permit/authorization is required for the following activities:

1) Soil aeration, bioremediation (onsite or offsite) or onsite thermal treatment.

2) Water discharges to a stream/storm drain from the excavation or treatment tank.

If these activities will be included in your cleanup project, contact the regional DEQ office for the appropriate application forms, information on permit fees and guidance documents.

Note: If there will be emissions from pollution control equipment (e.g. air strippers, vapor extraction systems, etc.), notify the DEQ by phone before installation. Have actual or estimated emissions calculated before calling.

KEEP A COPY OF THIS REPORT FOR YOUR FACILITY RECORDS

UST CLEANUP TELEPHONE USE REPORT

CALL FROM/TO: Mike Lewis DATE: 11/7/95

WITH: Blymyer Engineers TIME: 3:51pm-4:00pm

TELEPHONE NO: ( ) 226-4692

REGARDING: Consolidated Freightways 2010 NE Riverside Way

FILE NO: 26-95-305

SUMMARY OF CALL

Mike called & asked about soil sampling along the pipe runs @ facility ID #'s 5146 & 1999. I told him we require sampling every 20'.

1:55pm-2:25pm
11/8/95

Mike called in a release, we discussed soil sampling & PCS issues.

3:00pm-3:05pm
11/9/95

I gave backfill approval on condition they'll open the pit again to do cleanup if soil sample results require it.

Staff Signature

E

NWR UST FIELD INSPECTION REPORT

Inspection Date: 11/7/95

Site Name: Consolidated Freightways

Time Begin 11:35am End 12:35pm Total* 1 hr.

Site Address: 2010 NE Riverside Way PDX

*Include inspection, travel, paperwork

File/Facility No.: 5146/26-95-305
(both UST & UST Cleanup file #'s as appropriate)

Inspector: MRS

Others Onsite: Pat Roetker (manager)
include company name

Inspection Type (check one)

- ___ Install (New/Retro/StII)
- X Decommission
- ___ UST Facility - Full
- ___ UST Facility - Partial
- ___ Cleanup
- ___ Soil Treatment
- ___ Complaint
- ___ Distrib. Audit
- ___ Service Provider Audit
- ___ Leak Detection
- ___ Fuels (StI/StII/Tanker)
- ___ _____

Supervisor License No.: _____ Exp. date _____
(note name with ** that Lic. No. applies to)

Potential Site Hazards

Hazards Appraised? (Y) / N _____
Photos Taken? (Y) / N (attach)
Samples Taken? Y / (N) (attach results)

INSPECTION RESULTS - IN COMPLIANCE? (Y) N / NA

==========

↑ N SITE SKETCH (Plan View)

see photos

Notes (use back of form as necessary)

Tank was pulled the morning of 11/7/95. PCS is on site, covered. They plan on taking it to OHI before 30 days from excavation.

INSPECTION NOTES: (cont.)

↑This tank was photographed @ 2050 NW Quimby, but it came from 2010 NE Riverside Way. There is hole in tank, said they never put more than 12" of product in it at one time. ↓


11 7'95


11 7'95

November 13, 1995

Oregon

DEPARTMENT OF
ENVIRONMENTAL
QUALITY

NORTHWEST REGION

ROBERT WEAVER
CONSOLIDATED FREIGHTWAYS
PO BOX 3010
MENLO PARK CA 94026 3010

RE: Consolidated Freightways
File No.: 26-95-305

Dear Mr. Weaver:

On November 8, 1995, a release was reported from an underground storage tank (UST) system at your facility located at 2010 NE Riverside Way in Portland, Oregon. As the responsible party for the facility, you are required to clean up the release according to OAR 340-122-201 through 340-122-360.

An Initial Report Form for UST Cleanup Projects is enclosed, which needs to be completed and returned to this office within twenty (20) days from the date the release was reported. An outline of additional reporting requirements and due dates is also enclosed. A copy of the UST Cleanup regulations will be provided upon request. As the responsible party, you should be aware of what the requirements are, even if you have hired a qualified contractor or consultant to assist you.

Please reference the DEQ File Number listed above in all future correspondence and reports.

You may be eligible to receive funds for cleanup through the Oil Heat Commission's Environmental Protection Program. Your consultant may be able to provide you with information about this program or you can contact the Commission at (503) 731-3002.

By law, DEQ is required to recover all cleanup project oversight costs. DEQ oversight begins with the initial site characterization and continues through site closure. Oversight includes activities such as reviewing reports, preparing correspondence, answering technical assistance questions, site inspections, and enforcement actions. **You will be receiving an invoice each month for all oversight activities performed to-date.**

John A. Kitzhaber
Governor

2020 SW Fourth Avenue
Suite 400
Portland, OR 97201-4987
(503) 229-5263 Voice
TTY (503) 229-5471
DEQ-1

DEQ's highest priority for oversight are those sites which pose the greatest hazard to human health, safety and the environment. As a result, many lower environmental priority sites will not be reviewed in detail or receive a final "No further action" or "closure" letter from DEQ until the higher priority sites are addressed. However, all projects - simple or complex - require at least some oversight. At a minimum, sufficient review of reports and data submitted is conducted to determine the environmental priority of the cleanup project.

For those responsible parties who desire DEQ oversight, regardless of environmental priority, we have developed a Responsible Party Priority Site Program. To receive oversight and more effectively schedule your project, you will be asked to sign an agreement requesting priority review and confirming your agreement to pay DEQ oversight costs in a timely manner.

Not entering into the Agreement does not release you from responsibility for investigation and/or cleanup of the contamination; nor does it mean that you are exempt from paying for DEQ oversight costs. Please be aware that there may be a waiting list for assignment to the next available project manager, and that these projects are assigned on a first come, first served basis.

Please read the attached information on the cost recovery and invoice process. We have also included information about the Responsible Party Priority Site Program and an agreement, if you are interested in expediting review of your project. You may contact the Waste Management and Cleanup Program at (503) 229-6635 if you have questions about cost recovery.

Thank you for your cooperation and continued efforts to comply with the regulations. **If you have any questions about the regulations and/or your cleanup project, please call (503) 229-5489 and ask to speak to the Underground Storage Tank Duty Officer.**

Sincerely,

Jim Maresh
Duty Officer
Underground Storage Tanks
Northwest Region

Enclosures

26-95-0305

PIF

NWR

Oregon Department of Environmental Quality

UNDERGROUND STORAGE TANK DECOMMISSIONING/CHANGE-IN-SERVICE 30 DAY NOTICE

FACILITY (Location of Tanks)
Name: Consolidated Freightways
Address: 2010 NE Riverside Way
Portland, OR 97211
Phone: 288-6101

TANK OWNER
Name: Consolidated Freightways
Address: 2010 NE Riverside Way
Portland, OR 97211
Phone: 288-6101

DEQ Facility I.D. Number: 5146

Work To Be Performed By: Silver Sun Construction Co. License # 14078
(Owner or Licensed Service Provider)

Phone: 665-9611 Mobile Phone: 819-2894

FORM MUST BE SUBMITTED BY UST OWNER OR OPERATOR 30 DAYS BEFORE START OF WORK

DEPT OF ENVIRONMENTAL QUALITY RECEIVED OCT 26 1995

YOU MUST CONTACT YOUR LOCAL DEQ REGIONAL OFFICE 3-DAYS BEFORE STARTING ANY DECOMMISSIONING WORK. (Phone numbers are listed on reverse)

Will tank removal or potential cleanup affect adjacent property or Right-of-Way property? Yes ____ No X

Date decommissioning is scheduled to begin: 10/30/95 NORTHWEST REGION

Tank #	DEQ UST Permit #	Tank Size in (Gallons)	Product: Gasoline, Diesel, Used Oil, Other?		Closure or Service Change?			Tank to be Replaced?	
			Present	New	Tank Removal	Closure∞ Inplace	Other∞ Use	Yes*	No
WO1	BKEHH	6,000	Used Oil		X				X

* If decommissioned tank(s) are to be replaced by new underground storage tanks you must submit a new permit application containing information on the new tanks 30 days before placing them in service.

∞ Submit a soil sampling plan to the DEQ regional office and receive plan approval prior to starting work if 1) tank is to be decommissioned in-place, 2) tank contents are changed to a non-regulated substance, 3) tank contains a regulated substance other than petroleum, or 4) tank changed to non-regulated use.

Signature: _____ Date: 10/3/95
(Owner or Operator)

DEPT. OF ENVIRONMENTAL QUALITY RECEIVED OCT 04 1995

ENVIRONMENTAL CLEANUP DIVISION

Oregon

DEPARTMENT OF ENVIRONMENTAL QUALITY

October 9, 1995

Facility ID No.: 5146

Dear Tank Owner/Permittee:

We received a decommissioning notice on October 4, 1995 for 1 underground storage tank(s) located at:

Consolidated Freightways
2010 NE Riverside Way
Portland, OR 97211

Checking our records, it appears the tanks are registered, permit fees are current, and the contractor is licensed. You are required to confirm the date of removal with the appropriate regional office (see below) at least 72 hours prior to tank removal. If you have any further questions about your permit fees, facility information or DEQ Licensed Contractors please call Steven Paiko at (503) 229-5733.

An assessment must be conducted at all tank sites and contamination must be reported within 24 hours of discovery. OAR 340-122-301 through 340-122-360 contains the sampling requirements necessary when decommissioning underground storage tanks. As soon as contamination is identified in any manner, including observations of visible staining or odors, it must be reported. If obvious signs of contamination are present in the excavation, **DO NOT** wait until you receive the sample results to report the contamination.

If you need to report contamination or have any general questions regarding site cleanup or UST compliance issues, please contact the regional office at the number listed below.

*** **REMINDER:** The UST Decommissioning/Change-In-Service Report form and the UST Decommissioning Checklist form must be submitted within 30 days after completion of work.

Sincerely,

Steven Paiko

Steven Paiko
Office Specialist
UST Compliance/Emergency Response Section
Waste Management & Cleanup Division

cc: Northwest Regional Office - 229-5263

811 SW Sixth Avenue
Portland, OR 97204-1390
(503) 229-5696
TDD (503) 229-6993

E

◂ MORE ON BACK ▸

UPDATES:
• 9-25-96 •

* PETROLEUM RELEASE FORM *

Please Check All That Apply

INCIDENT INFORMATION

LOG NBR: 26-95-305
UST FAC NBR: 5146
SITE NAME: Consolidated Freightways
SITE ADDRESS: 2010 NE Riverside Way
SITE CITY: PDX ZIP: 97211
SITE COUNTY: Mult. PHONE: 284-1133

RECEIVED BY: MRS
DATE REPORTED: 11-8-95

☒ REGULATED UST
☐ NON-REGULATED UST
☐ HEATING OIL TANK

FUNDING
☒ LUST ☐ HSRAF
☐ OHC ☐ FINANCIAL ASST

PROJECT MANAGER: _____

☒ INVOICE START ☒ INVOICE STOP
LTR. AGR. ☒ NFA SENT
DATE: _____

MAIL CONTACTS

REPORTED BY
NAME: Mike Lewis
COMPANY: Blymyer Engineers
ADDRESS: 1829 Clement Ave.
CITY: Alameda ZIP: 94501
STATE: CA PHONE: (510) 521-3773

RESPONSIBLE PARTY
NAME: Robert Weaver
COMPANY: Consolidated Freightways
ADDRESS: P O Box 3010
CITY: Menlo Park ZIP: 94026-3010
STATE: CA PHONE: (415) 326-1700

INVOICE CONTACT
NAME: RP
COMPANY: _____
ADDRESS: _____
CITY: _____ ZIP: _____
STATE: _____ PHONE: _____

OTHER CONTACT(S)
NAME: _____
COMPANY: _____
ADDRESS: _____
CITY: _____ ZIP: _____
STATE: _____ PHONE: _____

SITE ASSESSMENT

DATE DISCOVERED: 11-8-95
☐ EMERGENCY RESP.
☐ ENFORCEMENT

☒ FURTHER CLEANUP REQ.
☒ NO FURTHER CLEANUP REQ. 3-25-96
☐ OFFSITE MIGRATION
_____ L.I.P.S. SCORE (Region)

CONFIRMATION:
☐ SI) STAFF
☐ LD) LAB:DEQ
☒ LR) LAB:RP
☐ LO) LAB:OTHER
☐ RR) RP REPORT
☐ CN) CONTRACTOR
☐ OT) OTHER _____

DISCOVERY:
☐ RM) ROUTINE MONITORING
☑ DC) DECOMMISSIONING
☐ CP) COMPLAINT
☐ IC) INVENTORY CONTROL
☐ SA) SITE ASSESSMENT
☐ TT) TANK TEST
☐ OT) OTHER _____

CAUSE:
☐ TL) TANK LEAK
☐ PL) PIPE LEAK
☐ OF) OVERFILL
☐ SS) SURFACE SPILL
☐ PV) PUMP/VALVE LEAK
☐ OT) OTHER _____
☒ UN) UNKNOWN

• X 9-24-96 X •

CONTAMINANTS - IMPACTS

CONTAMINANTS:

- ☐ UG) UNLEADED GASOLINE
- ☐ LG) LEADED GASOLINE
- ☐ MG) MISC. GASOLINE
- ☒ DS) DIESEL
- ☐ FO) FUEL OIL
- ☐ WO) WASTE OIL
- ☐ LB) LUBRICANT
- ☐ SV) SOLVENT
- ☐ BF) BUNKER FUEL
- ☐ OP) OTHER PET. DIST.
- ☐ CH) CHEMICAL
- ☐ HO) HEATING OIL
- ☐ UN) UNKNOWN
- ☐ OT) OTHER _____

MEDIA/IMPACT:

- ☒ SL) SOIL
- ☐ GW) GROUNDWATER
- ☐ SW) SURFACE WATER
- ☐ DW) DRINKING WATER
- ☐ FV) FACILITY (VAPOR)
- ☐ FP) FACILITY (FREE PROD)

SITE - SOIL MANAGEMENT

RELEASE STOPPED: 11/7/95
CLEANUP STARTED: 11/7/95

REMEDIATION COMPLETED: 3-26-96
NO FURTHER ACTION: 9-24-96

SWLA PERMIT NUMBER: _____

DATE ISSUED: _____

AMOUNT OF SOIL (yds3) TREATED ON SITE: _____
AMOUNT OF SOIL (yds3) TREATED OFF SITE: _____

TREATMENT METHOD:
- ☐ AREATION
- ☐ THERMAL
- ☐ BIOLOGICAL
- ☐ OTHER _____

AMOUNT OF SOIL (yds3) DISPOSED OF: 125 ☒ TREATED ☐ UNTREATED

FINAL DISPOSITION OF SOIL:
- ☐ ONSITE
- ☐ LANDFILL
- ☐ ROAD BASE
- ☒ OTHER TPS

NOTES/COMMENTS: Waste Oil tank,

This Space Provided For Regional Use

Underground Storage Tank Closure and Soil Matrix Cleanup Report

CF MotorFreight (PTM)
2010 N.E. Riverside Way
Portland, Oregon
Facility ID No. 5146
ODEQ Log No. 26-95-305

November 30, 1995 BEI Job No. 95031

Prepared for:

CF MotorFreight
P. O. Box 3010
Menlo Park, CA 94026-3010
(415) 326-1700

Prepared by:

Blymyer Engineers, Inc.
1829 Clement Avenue
Alameda, CA 94501-1395
(510) 521-3773

Limitations

Services performed by Blymyer Engineers, Inc. have been provided in accordance with generally accepted professional practices for the nature and conditions of similar work completed in the same or similar localities, at the time the work was performed. The scope of work for the project was conducted within the limitations prescribed by the client. This report is not meant to represent a legal opinion. No other warranty, expressed or implied, is made. This report was prepared for the sole use of CF MotorFreight.

Blymyer Engineers, Inc.

By:_____

Michael S. Lewis
Vice President, Technical Services
Soil Matrix Cleanup Supervisor License No. 10865

And:_____

Ramon Khu
Director, UST Services

Table of Contents

Tables

Figures

Appendices

1.0 Background

CF MotorFreight (CFMF) retained Blymyer Engineers, Inc. to arrange for the removal of one 6,000-gallon waste oil underground storage tank (UST) and associated accessible piping at a property located at 2010 N.E. Riverside Way in Portland, Oregon. Information provided by CFMF indicated that the UST was constructed of single-walled steel and was installed in 1976.

The site is located in an industrial area situated in the northeast section of the city of Portland, Oregon (Figure 1). The site contains a terminal building that houses the administrative office and loading dock, and a separate maintenance shop. The UST was located alongside the northeast wall of the maintenance shop (Figure 2). The site is surfaced with asphalt and concrete. The entire yard area is surrounded and secured by chain link fencing.

The site is owned and occupied by CFMF, which uses the site as a terminal for its freight transport operations.

2.0 Underground Storage Tank Closure

One 6,000-gallon diesel UST and associated accessible piping were removed by Silver Sun Construction Company on November 7, 1995. Photographs of the UST removal are included as Appendix A.

The Oregon Department of Environmental Quality (ODEQ) was notified in advance of the UST removal, but only Mr. Mike Bell of Portland Emergency Services was on-site for a UST removal inspection. However, Mr. Mitch Scheel of the ODEQ visited the site after the UST removal. A brief inspection of the UST was performed by a representative of Blymyer Engineers after the UST removal and revealed two corrosion holes up to 1 inch in length on the southeast end wall of the UST at heights of 36 and 51 inches from the bottom of the UST. A summary of UST closure information is presented in Table I. The disposal documentation for residual liquid and sludge and the removed UST will be forwarded to ODEQ with the UST Closure Checklist.

Accessible underground piping associated with the UST was cut at the edge of the excavation and removed. All removed piping was observed to be in good condition. The ends of the inaccessible portions of the piping were capped with concrete at the edge of the excavation. A product line with a check valve at the UST was observed on the southeast end of the UST running to the northwest. The product line contained a greenish liquid believed to be an anti-corrosive agent, which was drained and properly disposed of together with the residual liquid contained in the waste oil UST. The product line is suspected to have been installed with the UST in the event that the operator decided to switch to the storage of virgin petroleum product instead of waste oil. The layout of the product piping and remote fill for the UST is shown in Figure 3.

The backfill material in the UST excavation was composed of brown, medium-coarse sand. The native soil surrounding the UST excavation was composed of dark gray sand, light brown and bluish-grey silty sand, and bluish-grey clayey sand. The only evidence of petroleum

contamination observed during removal of the UST was minor and localized discoloration of backfill around the fill pipe of the UST.

A small amount of water was encountered at the bottom of the UST excavation at a depth of approximately 12 feet bgs immediately after the removal of the UST; however, the water was soaked into the backfill and removed and did not re-enter the UST excavation within 24 hours. Groundwater at the site is assumed to be at a depth of approximately 16 feet bgs due to the site's proximity to the Columbia Slough, although the native soil appeared to be wet beginning at a depth of approximately 10 feet below grade surface (bgs).

Approximately 130 tons of backfill were excavated and stockpiled to remove the UST and covered with heavy plastic sheeting.

3.0 Closure Site Assessment

Four discrete soil samples were collected from the UST excavation and two soil samples were collected from the soil stockpile after the removal of the UST. All soil samples were collected by a representative of Blymyer Engineers on November 7, 1995. Soil samples could not be collected along the remote fill piping for the UST due to the location of the piping in an operating bay inside the maintenance shop. The locations of all soil samples are shown on Figure 3. The laboratory analytical results for the soil samples are summarized in Table II. Copies of the laboratory analytical reports and chain-of-custody documentation for the soil samples are included as Appendix B.

Soil samples WO-N-1 and WO-S-1 were collected in native soil from the bottom of the northwest and southeast ends, respectively, of the former location of the waste oil UST at a depth of approximately 15 feet bgs. Soil samples WO-N-2 and WO-S-2 were collected in native soil from the northwest and southeast sidewalls, respectively, of the UST excavation at depths of approximately 9 feet and 10 feet bgs, respectively. Soil samples SP-1 and SP-2 were collected from the excavated backfill material that was temporarily stockpiled adjacent to the UST excavation.

Soil from each sampling location in the UST excavation was initially collected with the backhoe bucket. Prior to sampling, a small amount of soil from the backhoe bucket was placed in an unused, resealable plastic bag for headspace analysis. Each plastic bag was immediately sealed and left undisturbed for a minimum duration of 5 minutes to allow for the volatilization of any organic vapors in the soil into the headspace. After the specified time had elapsed, the probe of a photoionization detector (PID), which was calibrated daily to an isobutylene gas standard, was quickly inserted into the resealable bag and the maximum detected organic vapor reading was recorded. The PID readings are included in Table II.

Each soil sample for laboratory analysis was collected by scraping away several inches of overlying soil in the backhoe bucket or soil stockpile and transferring some of the underlying soil

into a pre-cleaned, laboratory supplied, 9-ounce glass jar with a Teflon®-lined lid. The soil samples were labeled, placed in a cooler with ice, and delivered with proper chain-of-custody documentation to National Environmental Testing, Inc. (NET), a laboratory located in Portland, Oregon. All soil samples were initially analyzed by NET for Total Petroleum Hydrocarbons (TPH) using the Hydrocarbon Identification (HCID) test (Oregon Administrative Rules [OAR]-HCID).

Diesel was identified in the TPH-HCID test in soil sample SP-1. This soil sample was subsequently analyzed for TPH as diesel (TPH-D) using the OAR method. TPH-D was detected at a concentration of 720 milligrams per kilogram (mg/kg). Based on the presence of diesel in the TPH-HCID tests, a confirmed release was reported to the ODEQ on November 8, 1995. A Matrix Score Sheet was not completed because the site has been cleaned up to the most stringent Level 1 cleanup standards. A completed Matrix Checklist is presented as Appendix C.

Although none of the excavation samples contained detectable petroleum compounds, Mr. Scheel requested that one excavation soil sample be additionally analyzed for Volatile Chlorinated Organic Compounds (VCOCs) using EPA Method 8010, Volatile Aromatic Organic Compounds (VAOCs) using EPA Method 8020, and cadmium, chromium, and lead using the Toxicity Characteristic Leaching Procedure (TCLP). Blymyer Engineers selected soil sample WO-S-1 to be additionally analyzed for these compounds, because this sample would represent the area that would have been impacted by any potential release from the two corrosion holes on the southeast end wall of the UST. VCOCs and VAOCs were analyzed by NET using EPA Method 8260, which includes all compounds specified in EPA Methods 8010 and 8020. VCOCs, VAOCs, and cadmium, chromium, and lead were not detected above the respective reporting limits in soil sample WO-S-1.

The soil stockpile will be transported for recycling at the TPS Oregon Hydrocarbon, Inc. facility in Portland, Oregon. For disposal profiling purposes, soil sample SP-1 was additionally analyzed for TPH using OAR TPH-418.1M, Volatile Organic Compounds (VOCs) using EPA Method 8260, Polychlorinated Biphenyls (PCBs) using EPA Method 8080, and the TCLP concentrations

of the 8 RCRA Metals. No analyzed compounds were detected above the respective reporting limits except for TPH, which was detected at a concentration of 200 mg/kg, and barium, which was detected at a concentration of 1.4 milligrams per liter.

The UST excavation was backfilled to grade with imported gravel fill after approval was granted by Mr. Scheel of the ODEQ on November 9, 1995. The UST excavation was resurfaced with concrete and asphalt.

4.0 Summary and Recommendations

- One 6,000-gallon waste oil UST and associated accessible piping were removed by Silver Sun Construction Company on November 7, 1995.

- The UST and associated product piping were observed to be generally in good condition; however, two corrosion holes were observed on the southeast end wall of the UST.

- A small amount of water was encountered in the excavation immediately after the UST removal; however, the water was soaked into the backfill and removed and did not re-enter the excavation within 24 hours.

- Minor and localized discoloration of backfill was observed around the fill pipe of the UST. This material was removed from the excavation with the surrounding backfill during the removal of the UST. This material is probably the cause of the elevated concentrations of TPH and TPH-D in the soil stockpile.

- VOCs, cadmium, chromium, and lead were not detected above the respective reporting limit in soil sample WO-S-1.

- The soil stockpile is estimated to be approximately 130 tons and will be transported off-site and recycled.

- Based on visual observations, PID readings, and laboratory analytical results of soil samples obtained after the removal of the UST, a minor and localized release of petroleum product had occurred around the UST fill area. This release appears to have been limited to the backfill material.

- It is the recommendation of Blymyer Engineers that site closure be granted for this site because the soil samples collected from the UST excavation indicate that the site has been remediated to the most stringent Level 1 cleanup standards.

- Blymyer Engineers recommends that a copy of this report be submitted to:

  Mr. Mitch Scheel
  Oregon Department of Environmental Quality
  Northwest Region
  2020 S.W. Fourth Avenue, Suite 400
  Portland, OR 97201-4987

Table 1: UST Closure Summary
CF MotorFreight (PTM)
2010 N.E. Riverside Way, Portland, Oregon
BEI Job No. 95031

Tank I.D.	Capacity (gallons)	Contents	Dimensions	Tank Construction	Piping Construction	Installation Date	Date Out of Service	Pump Type	Condition of Tank and Piping
WO-1	6,000	Waste Oil	8'D x 17'4"L	SWS	SWS	1976	10/95	GR	Generally good, however, two corrosion holes up to 1" long found on the southeast end wall of the UST.

Key:

UST	=	Underground Storage Tank
D	=	Diameter
L	=	Length
SWS	=	Single-walled Steel
GR	=	Gravity

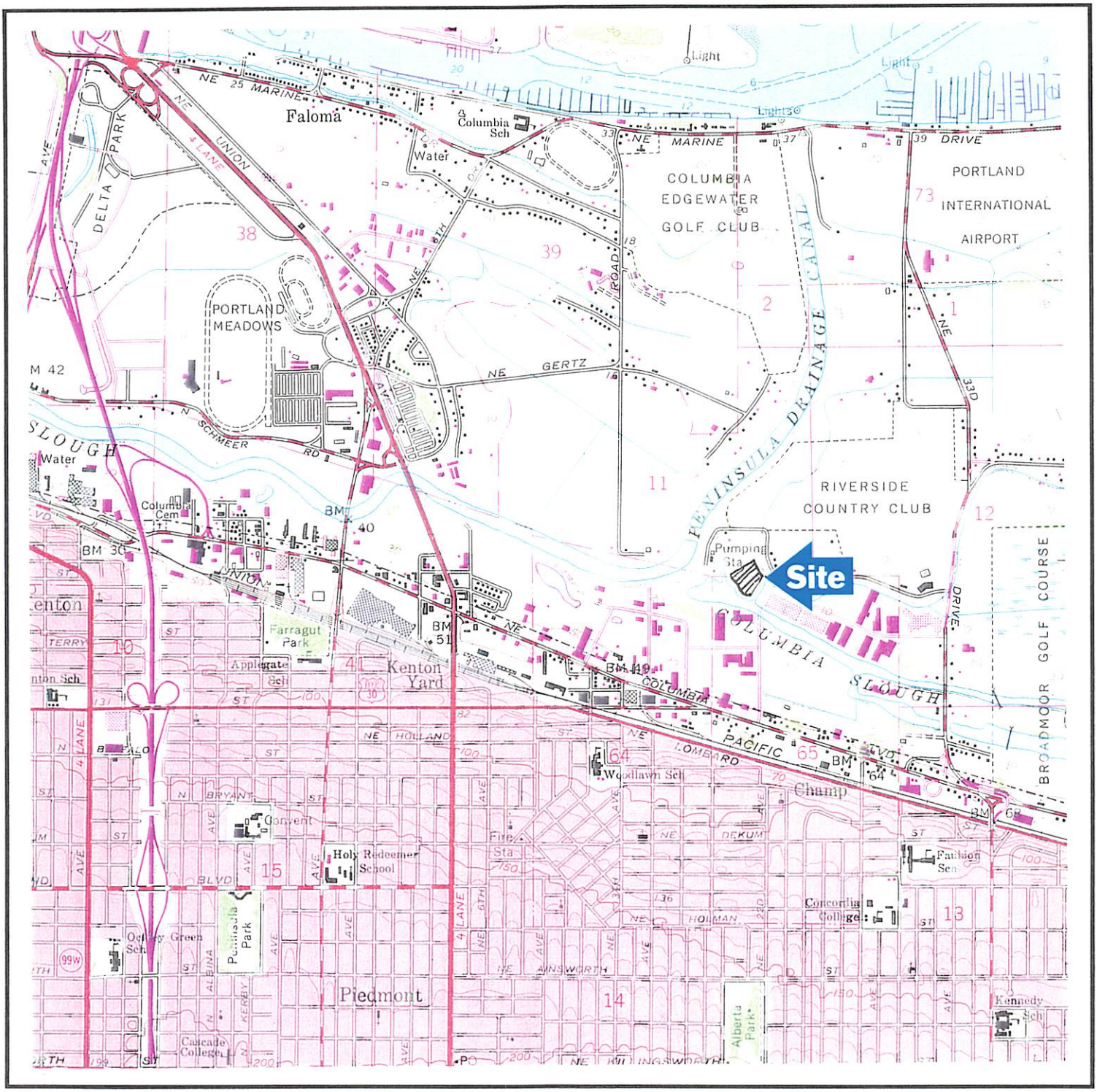
Table II: Summary of Soil Sample Analytical Results
CF MotorFreight (PTM)
2010 N.E. Riverside Way, Portland, Oregon
BEI Job No. 95031

Sample Identification	Date	Depth (feet bgs)	PID Reading (ppm)	OAR TPH-HCID (mg/kg)	OAR-D (mg/kg)	OAR TPH-418.1M (mg/kg)	EPA Method 8260 (µg/kg)	EPA Method 8080 (µg/kg)	TCLP Metals (mg/L)
					TPH-D	TPH	VOCs	PCBs	
WO-S-1 (15')	11/7/95	15	0	ND			ND		ND
WO-S-2 (10')	11/7/95	10	0	ND					
WO-N-1 (15')	11/7/95	15	0	ND					
WO-N-2 (9')	11/7/95	9	0	ND					
SP-1	11/7/95	NA	NR	**Diesel**	**720**	**200**	ND	ND	**Barium (1.4)**
SP-2	11/7/95	NA	NR	ND					

bgs	=	below grade surface	mg/kg	=	milligrams per kilogram
µg/kg	=	micrograms per kilogram	mg/L	=	milligrams per liter
PID	=	Photoionization Detector	ppm	=	parts per million
TPH-D	=	Total Petroleum Hydrocarbons as Diesel	TPH	=	Total Petroleum Hydrocarbons
VOCs	=	Volatile Organic Compounds	PCBs	=	Polychlorinated Biphenyls
TCLP	=	Toxicity Characteristic Leaching Procedure	ND	=	None Detected
NA	=	Not Applicable	NR	=	Not Recorded

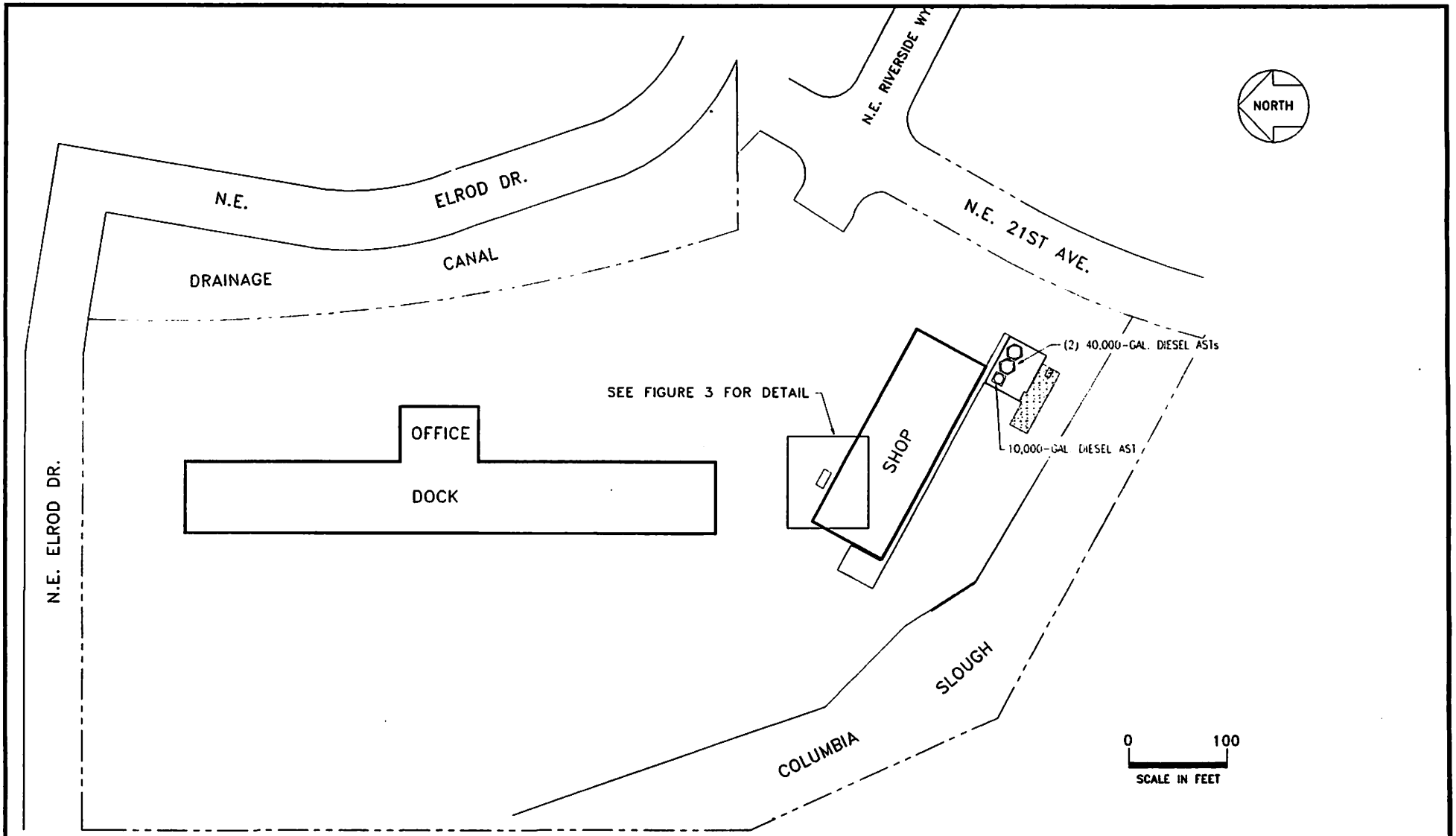
Boldface entries indicate the detected compounds/concentrations.

Shaded cells indicate that the samples were not analyzed for the specific compound(s).



UNITED STATES GEOLOGICAL SURVEY 7.5' QUAD. "PORTLAND, OR-WA" ED. 1961 AND PHOTOREVISED 1970 AND 1977.

BLYMYER ENGINEERS, INC. BEI JOB NO. 95031 DATE 11/27/95	0 1000 2000 SCALE IN FEET N	**SITE LOCATION MAP** CF MOTORFREIGHT 2010 N.E. RIVERSIDE WAY PORTLAND, OR	FIGURE 1



BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
95031	11/30/95

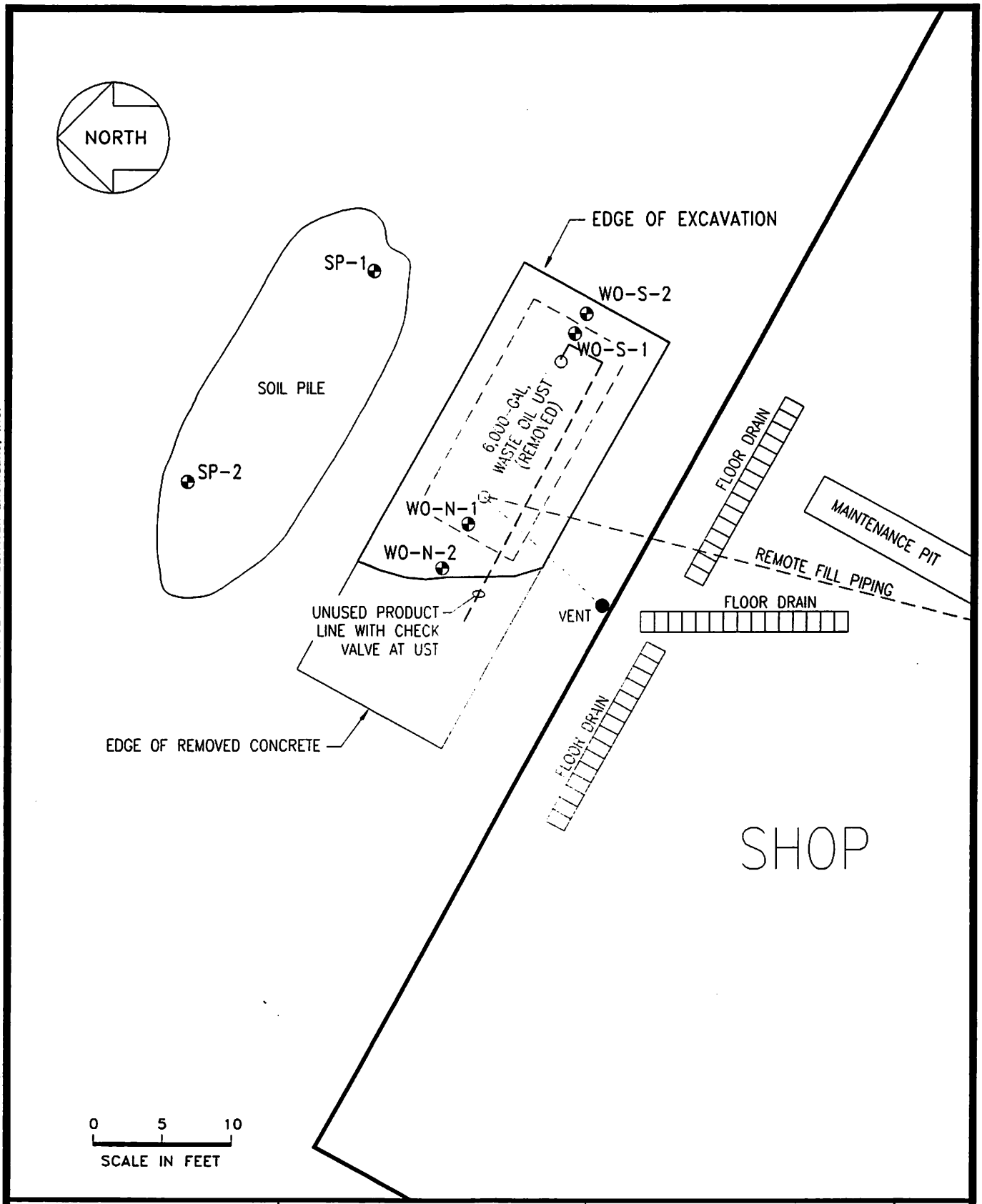
LEGEND

AST ABOVEGROUND STORAGE TANK

SITE PLAN
CF MOTORFREIGHT
2010 N.E. RIVERSIDE WAY
PORTLAND, OR

FIGURE 2

REVISED 12-8-95 H:\PUBLIC\ACADLW\950312



BLYMYER ENGINEERS, INC.

BEI JOB NO.	DATE
95031	11/30/95

LEGEND

UST UNDERGROUND STORAGE TANK

SOIL SAMPLE LOCATION

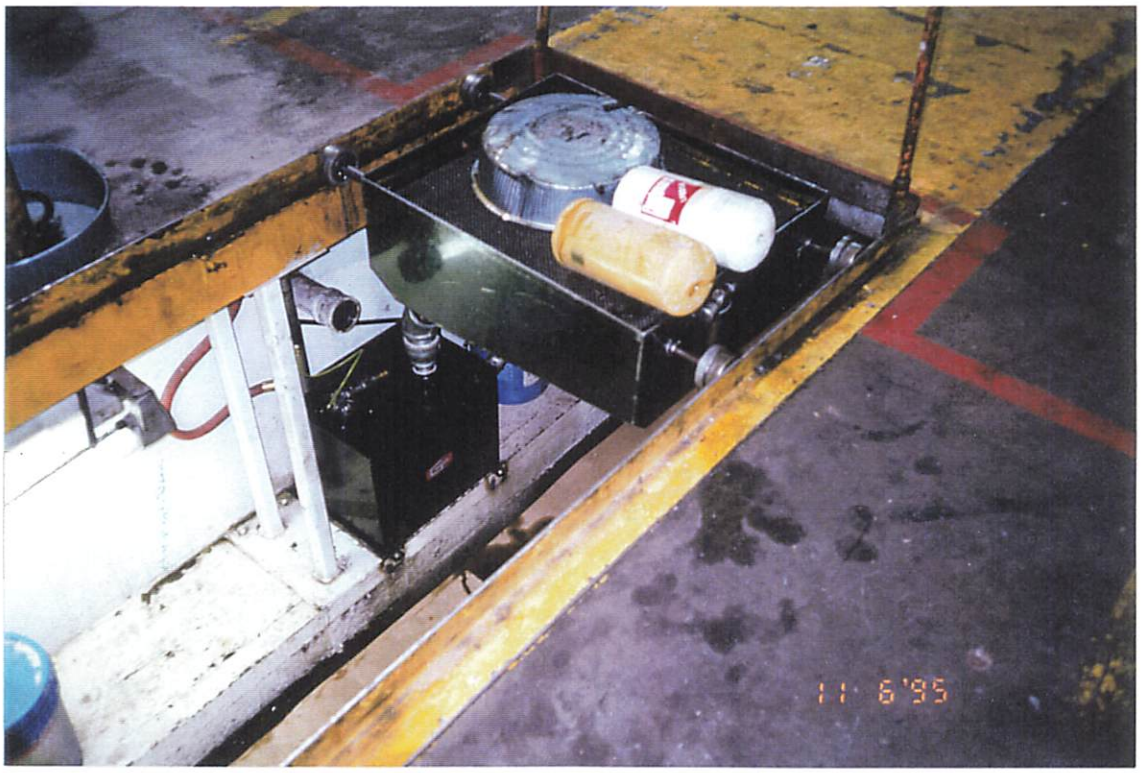
SOIL SAMPLE LOCATIONS

CF MOTORFREIGHT
2010 N.E. RIVERSIDE WAY
PORTLAND, OR

FIGURE 3

REVISED 12/8/95 H:\PUBLIC\ACADLW\950313

Photograph 1: Uncovering 6,000-gallon waste oil UST (Facing south)



Photograph 2: Remote fill from maintenance pit to waste oil UST (Facing north)

Photograph 3: View of length of underground piping run from the remote fill location to the waste oil UST (facing northeast)

Photograph 4: 6,000-gallon waste oil UST

Photograph 5: View of corrosion hole found on west side of the southeast end wall of the UST

Photograph 6: View of corrosion hole found on east side of the southeast end wall of the UST

Photograph 7: Bottom of UST excavation immediately after UST removal (Facing southeast)

Photograph 8: Bottom of UST excavation after water was soaked up (Facing northwest)

Photograph 9: Excavated soil stockpile (Facing north)

NATIONAL ENVIRONMENTAL TESTING, INC.

Portland Division
17400 SW Upper Boones Ferry Rd.
Suite #260
Portland, OR 97224
Tel: (503) 624-5449
Fax: (503) 639-6889

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995
NET Account No.: 4000
NET Job Number: 95.03731

Project: CF-PTM
Location: 95031

Sample analysis in support of the project referenced above has been completed and results are presented on the following pages. Should you have questions regarding procedures or results, please feel welcome to contact Client Services.

Sample Number	Sample Description	Matrix Type	Date Taken	Date Received
50231	WO-S-1 (15')	SOIL	11/07/1995	11/07/1995
50232	WO-S-2 (10')	SOIL	11/07/1995	11/07/1995
50233	WO-N-1 (15')	SOIL	11/07/1995	11/07/1995
50234	WO-N-2 (9')	SOIL	11/07/1995	11/07/1995
50235	SP-1	SOIL	11/07/1995	11/07/1995
50236	SP-2	SOIL	11/07/1995	11/07/1995

Approved by:

Tabatha Brochu
NET, INC. Project Manager

OCEAN GROUP

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50231
Sample Description: WO-S-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
ICP/AA Digestion - Water	ICP	-			11/14/1995	
TCLP EXTRACTION PREP	1311	-			11/13/1995	
TCLP - Cadmium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Chromium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Lead, ICP	6010	ND	0.05	mg/L	11/15/1995	
VOLATILE COMPOUNDS (S) - 8260						
Dilution Factor		1			11/09/1995	
Dichlorodifluoromethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
Vinyl Chloride	8260	ND	5.0	ug/Kg	11/09/1995	
Bromomethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Trichlorofluoromethane	8260	ND	5.0	ug/Kg	11/09/1995	
1,1-Dichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
Carbon Disulfide	8260	ND	5.0	ug/Kg	11/09/1995	
Acetone	8260	ND	20	ug/Kg	11/09/1995	
Methylene Chloride	8260	ND	50	ug/Kg	11/09/1995	
trans-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1_Dichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Vinyl Acetate	8260	ND	5.0	ug/Kg	11/09/1995	
2,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
cis-1,2-Dichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
2-Butanone	8260	ND	20	ug/Kg	11/09/1995	
Bromochloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chloroform	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,1-Trichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Carbon Tetrachloride	8260	ND	5.0	ug/Kg	11/09/1995	
1,1-Dichloropropene	8260	ND	5.0	ug/Kg	11/09/1995	
Benzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Trichloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50231
Sample Description: WO-S-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Dibromomethane	8260	ND	5.0	ug/Kg	11/09/1995	
Bromodichloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
cis-1,3-Dichloropropene	8260	ND	5.0	ug/Kg	11/09/1995	
MIBK	8260	ND	20	ug/Kg	11/09/1995	
Toluene	8260	ND	5.0	ug/Kg	11/09/1995	
trans-1,2-Dichloropropene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,2-Trichloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Tetrachloroethene	8260	ND	5.0	ug/Kg	11/09/1995	
1,3-Dichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
2-Hexanone	8260	ND	20	ug/Kg	11/09/1995	
Dibromochloromethane	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dibromomethane	8260	ND	5.0	ug/Kg	11/09/1995	
Chlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,1,2-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
Ethyl Benzene	8260	ND	5.0	ug/Kg	11/09/1995	
m,p-xylene	8260	ND	5.0	ug/Kg	11/09/1995	
o-xylene	8260	ND	5.0	ug/Kg	11/09/1995	
Styrene	8260	ND	5.0	ug/Kg	11/09/1995	
Bromoform	8260	ND	5.0	ug/Kg	11/09/1995	
Isopropylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
Bromobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,1,2,2,-Tetrachloroethane	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,3-Trichloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
N-Propylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
2-Chlorotoluene	8260	ND	5.0	ug/Kg	11/09/1995	
4-Chlorotoluene	8260	ND	5.0	ug/Kg	11/09/1995	
1,3,5-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
tert-Butylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,4-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
sec-Butylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
p-isopropyltoluene	8260	ND	5.0	ug/Kg	11/09/1995	
1,3-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number 50231 — Sample Description WO-S-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
1,4-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,3-Trimethylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
n-Butylbenzene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2-Dibromo-3-Chloropropane	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,4-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
Hexachlorobutadiene	8260	ND	5.0	ug/Kg	11/09/1995	
Naphthalene	8260	ND	5.0	ug/Kg	11/09/1995	
1,2,3-Trichlorobenzene	8260	ND	5.0	ug/Kg	11/09/1995	
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number 50232 — Sample Description WO-S-2 (10')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number 50233 — Sample Description WO-N-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number 50233 — Sample Description: WO-N-1 (15')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number 50234 — Sample Description: WO-N-2 (9')

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

Sample Number 50235 — Sample Description: SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
ICP/AA Digestion - Water	ICP	-			11/14/1995	
TCLP EXTRACTION PREP	1311	-			11/13/1995	
TCLP - Arsenic, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Barium, ICP	6010	1.4	0.05	mg/L	11/15/1995	
TCLP - Cadmium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Chromium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Lead, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Mercury	7470	ND	0.0002	mg/L	11/14/1995	
TCLP - Selenium, ICP	6010	ND	0.05	mg/L	11/15/1995	
TCLP - Silver, ICP	6010	ND	0.05	mg/L	11/15/1995	
VOLATILE COMPOUNDS (S) - 8260						

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number	Sample Description
50235	SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Dilution Factor		5			11/13/1995	
Dichlorodifluoromethane	8260	ND	20	ug/Kg	11/13/1995	
Chloromethane	8260	ND	20	ug/Kg	11/13/1995	
Vinyl Chloride	8260	ND	20	ug/Kg	11/13/1995	
Bromomethane	8260	ND	20	ug/Kg	11/13/1995	
Chloroethane	8260	ND	20	ug/Kg	11/13/1995	
Trichlorofluoromethane	8260	ND	20	ug/Kg	11/13/1995	
1,1-Dichloroethene	8260	ND	20	ug/Kg	11/13/1995	
Carbon Disulfide	8260	ND	20	ug/Kg	11/13/1995	
Acetone	8260	ND	100	ug/Kg	11/13/1995	
Methylene Chloride	8260	ND	200	ug/Kg	11/13/1995	
trans-1,2-Dichloroethene	8260	ND	20	ug/Kg	11/13/1995	
1,1_Dichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Vinyl Acetate	8260	ND	20	ug/Kg	11/13/1995	
2,2-Dichloropropane	8260	ND	20	ug/Kg	11/13/1995	
cis-1,2-Dichloroethene	8260	ND	20	ug/Kg	11/13/1995	
2-Butanone	8260	ND	100	ug/Kg	11/13/1995	
Bromochloromethane	8260	ND	20	ug/Kg	11/13/1995	
Chloroform	8260	ND	20	ug/Kg	11/13/1995	
1,1,1-Trichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Carbon Tetrachloride	8260	ND	20	ug/Kg	11/13/1995	
1,1-Dichloropropene	8260	ND	20	ug/Kg	11/13/1995	
Benzene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Trichloroethene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dichloropropane	8260	ND	20	ug/Kg	11/13/1995	
Dibromomethane	8260	ND	20	ug/Kg	11/13/1995	
Bromodichloromethane	8260	ND	20	ug/Kg	11/13/1995	
cis-1,3-Dichloropropene	8260	ND	20	ug/Kg	11/13/1995	
MIBK	8260	ND	100	ug/Kg	11/13/1995	
Toluene	8260	ND	20	ug/Kg	11/13/1995	
trans-1,2-Dichloropropene	8260	ND	20	ug/Kg	11/13/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50235
Sample Description: SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
1,1,2-Trichloroethane	8260	ND	20	ug/Kg	11/13/1995	
Tetrachloroethene	8260	ND	20	ug/Kg	11/13/1995	
1,3-Dichloropropane	8260	ND	20	ug/Kg	11/13/1995	
2-Hexanone	8260	ND	100	ug/Kg	11/13/1995	
Dibromochloromethane	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dibromomethane	8260	ND	20	ug/Kg	11/13/1995	
Chlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,1,1,2-Tetrachloroethane	8260	ND	20	ug/Kg	11/13/1995	
Ethyl Benzene	8260	ND	20	ug/Kg	11/13/1995	
m,p-xylene	8260	ND	20	ug/Kg	11/13/1995	
o-xylene	8260	ND	20	ug/Kg	11/13/1995	
Styrene	8260	ND	20	ug/Kg	11/13/1995	
Bromoform	8260	ND	20	ug/Kg	11/13/1995	
Isopropylbenzene	8260	ND	20	ug/Kg	11/13/1995	
Bromobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,1,2,2,-Tetrachloroethane	8260	ND	20	ug/Kg	11/13/1995	
1,2,3-Trichloropropane	8260	ND	20	ug/Kg	11/13/1995	
N-Propylbenzene	8260	ND	20	ug/Kg	11/13/1995	
2-Chlorotoluene	8260	ND	20	ug/Kg	11/13/1995	
4-Chlorotoluene	8260	ND	20	ug/Kg	11/13/1995	
1,3,5-Trimethylbenzene	8260	ND	20	ug/Kg	11/13/1995	
tert-Butylbenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2,4-Trimethylbenzene	8260	ND	20	ug/Kg	11/13/1995	
sec-Butylbenzene	8260	ND	20	ug/Kg	11/13/1995	
p-isopropyltoluene	8260	ND	20	ug/Kg	11/13/1995	
1,3-Dichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,4-Dichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2,3-Trimethylbenzene	8260	ND	20	ug/Kg	11/13/1995	
n-Butylbenzene	8260	ND	20	ug/Kg	11/13/1995	
1,2-Dibromo-3-Chloropropane	8260	ND	20	ug/Kg	11/13/1995	
1,2,4-Trichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50235
Sample Description: SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Hexachlorobutadiene	8260	ND	20	ug/Kg	11/13/1995	
Naphthalene	8260	ND	20	ug/Kg	11/13/1995	
1,2,3-Trichlorobenzene	8260	ND	20	ug/Kg	11/13/1995	
PESTICIDES/PCB'S - 8080						
Aldrin	8080	ND	5.0	ug/Kg	11/17/1995	
alpha-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
beta-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
gamma-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
delta-BHC	8080	ND	5.0	ug/Kg	11/17/1995	
Chlordane	8080	ND	50	ug/Kg	11/17/1995	
4,4'-DDD	8080	ND	5.0	ug/Kg	11/17/1995	
4,4'-DDE	8080	ND	5.0	ug/Kg	11/17/1995	
4,4'-DDT	8080	ND	5.0	ug/Kg	11/17/1995	
Dieldrin	8080	ND	5.0	ug/Kg	11/17/1995	
Endosulfan I	8080	ND	5.0	ug/Kg	11/17/1995	
Endosulfan II	8080	ND	5.0	ug/Kg	11/17/1995	
Endosulfan Sulfate	8080	ND	5.0	ug/Kg	11/17/1995	
Endrin	8080	ND	5.0	ug/Kg	11/17/1995	
Endrin Aldehyde	8080	ND	5.0	ug/Kg	11/17/1995	
Heptachlor	8080	ND	5.0	ug/Kg	11/17/1995	
Heptachlor Epoxide	8080	ND	5.0	ug/Kg	11/17/1995	
Methoxychlor	8080	ND	10	ug/Kg	11/17/1995	
Toxaphene	8080	ND	10	ug/Kg	11/17/1995	
PCB-1016	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1221	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1232	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1242	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1248	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1254	8080	ND	5.0	ug/Kg	11/17/1995	
PCB-1260	8080	ND	5.0	ug/Kg	11/17/1995	
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

ANALYTICAL REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

Sample Number: 50235 Sample Description: SP-1

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	Diesel	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	
OAR TPH-DIESEL (S) PREP		-	-		11/08/1995	
OAR TPH-DIESEL (S)						
Dilution Factor		1	-		11/08/1995	
TPH-Diesel	OAR-D	720	20	mg/Kg	11/08/1995	
OAR TPH-418.1M (S) PREP		-	-		11/14/1995	
OAR TPH-418.1M (S)	TPH-418.1M	200	5	mg/Kg	11/15/1995	

Sample Number: 50236 Sample Description: SP-2

PARAMETERS	METHODS	RESULTS	REPORT LIMIT	UNITS	DATE ANALYZED	FLAG
OAR TPH-HCID (S) PREP	OAR-HCID	-	-		11/07/1995	
OAR TPH-HCID (S)						
Dilution Factor		1	-		11/07/1995	
Gasoline	OAR-HCID	ND	20	mg/Kg	11/07/1995	
Diesel	OAR-HCID	ND	50	mg/Kg	11/07/1995	
Heavy Oil	OAR-HCID	ND	100	mg/Kg	11/07/1995	

A sample result of ND indicates the parameter was Not Detected at the reporting limit.

SURROGATE REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

SURROGATES	METHODS	RESULTS		DATE ANALYZED	FLAG
Sample Number	**Sample Description**				
50231	WO-S-1 (15')				
1,2-Dichloroethane-d4	8260	95	%	11/09/1995	
Toluene-d8	8260	100	%	11/09/1995	
4-Bromofluorobenzene	8260	99	%	11/09/1995	
o-Terphenyl (Surr.)	OAR-HCID	99	%	11/07/1995	
Sample Number	**Sample Description**				
50232	WO-S-2 (10')				
o-Terphenyl (Surr.)	OAR-HCID	103	%	11/07/1995	
Sample Number	**Sample Description**				
50233	WO-N-1 (15')				
o-Terphenyl (Surr.)	OAR-HCID	104	%	11/07/1995	
Sample Number	**Sample Description**				
50234	WO-N-2 (9')				
o-Terphenyl (Surr.)	OAR-HCID	100	%	11/07/1995	
Sample Number	**Sample Description**				
50235	SP-1				
1,2-Dichloroethane-d4	8260	96	%	11/13/1995	
Toluene-d8	8260	90	%	11/13/1995	
4-Bromofluorobenzene	8260	99	%	11/13/1995	
Dibutylchlorendate (Surr.)	8080	86	%	11/17/1995	
o-Terphenyl (Surr.)	OAR-HCID	MI	%	11/07/1995	
o-Terphenyl (Surr.)	OAR-D	MI	%	11/08/1995	
Sample Number	**Sample Description**				
50236	SP-2				

Note: Recovery limits for 8240, 8260, 8270, 624, 625 specified in method.
Gasoline, Diesel, HCID limits 50-150%. 8010/8020 limits 70-130%.

SURROGATE REPORT

Ramon Khu
Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

11/20/1995
Job No.: 95.03731

Project Name: CF-PTM
Date Received: 11/07/1995

SURROGATES	METHODS	RESULTS		DATE ANALYZED	FLAG
Sample Number	**Sample Description**				
50236	SP-2				
o-Terphenyl (Surr.)	OAR-HCID	103	%	11/07/1995	

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	CCV True Concentration	Concentration Found	Percent Recovery	Date Analyzed
TCLP - Arsenic, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Barium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Cadmium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Chromium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Lead, ICP	0.500	0.500	100.0	11/15/1995
TCLP - Mercury	0.00200	0.00208	104.0	11/14/1995
TCLP - Selenium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Silver, ICP	0.500	0.490	98.0	11/15/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	53.1	106.2	11/08/1995
Benzene	50	52.7	105.4	11/08/1995
Chlorobenzene	50	51.1	102.2	11/08/1995
Toluene	50	51.2	102.4	11/08/1995
Trichloroethene	50	51.6	103.2	11/08/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	53.9	107.8	11/09/1995
Benzene	50	52.6	105.2	11/09/1995
Chlorobenzene	50	51.5	103.0	11/09/1995
Toluene	50	50.8	101.6	11/09/1995
Trichloroethene	50	51.5	103.0	11/09/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	56.4	112.8	11/13/1995
Benzene	50	52.6	105.2	11/13/1995
Chlorobenzene	50	52.1	104.2	11/13/1995
Toluene	50	51.9	103.8	11/13/1995
Trichloroethene	50	52.2	104.4	11/13/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	52.9	105.8	11/14/1995
Benzene	50	49.4	98.8	11/14/1995
Chlorobenzene	50	49.0	98.0	11/14/1995

CCV - Continuing Calibration Verification

Note: Recovery limits for 8240, 8260, 8270, 8010, 8020, 624, 625 specified in method.
Gasoline, Diesel, 418.1, 418.1M limits 80-120%. Metals recovery limits 80-120%.

QUALITY CONTROL REPORT
CONTINUING CALIBRATION VERIFICATION

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	CCV True Concentration	Concentration Found	Percent Recovery	Date Analyzed
Toluene	50	48.9	97.8	11/14/1995
Trichloroethene	50	49.3	98.6	11/14/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	49.6	99.2	11/15/1995
Benzene	50	51.0	102.0	11/15/1995
Chlorobenzene	50	51.8	103.6	11/15/1995
Toluene	50	51.6	103.2	11/15/1995
Trichloroethene	50	51.4	102.8	11/15/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1817	109.7	11/09/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1817	109.7	11/09/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1757	106.1	11/09/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	1656	1756	106.0	11/09/1995
OAR TPH-418.1M (S)	49.2	50.7	103.0	11/15/1995
OAR TPH-418.1M (S)	49.2	54.1	110.0	11/15/1995

CCV - Continuing Calibration Verification

Note: Recovery limits for 8240, 8260, 8270, 8010, 8020, 624, 625 specified in method.
Gasoline, Diesel, 418.1, 418.1M limits 80-120%. Metals recovery limits 80-120%.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	LCS True Concentration	Concentration Found	LCS % Recovery	Date Analyzed
TCLP - Arsenic, ICP	0.500	0.510	102.0	11/15/1995
TCLP - Barium, ICP	0.500	0.530	106.0	11/15/1995
TCLP - Cadmium, ICP	0.500	0.480	96.0	11/15/1995
TCLP - Chromium, ICP	0.500	0.490	98.0	11/15/1995
TCLP - Lead, ICP	0.500	0.500	100.0	11/15/1995
TCLP - Mercury	0.00100	0.00105	105.0	11/14/1995
TCLP - Selenium, ICP	0.500	0.470	94.0	11/15/1995
TCLP - Silver, ICP	0.500	0.510	102.0	11/15/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	54.4	108.8	11/08/1995
Benzene	50	54.5	109.0	11/08/1995
Chlorobenzene	50	51.5	103.0	11/08/1995
Toluene	50	52.9	105.8	11/08/1995
Trichloroethene	50	51.8	103.6	11/08/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	51.7	103.4	11/09/1995
Benzene	50	53.5	107.0	11/09/1995
Chlorobenzene	50	50.6	101.2	11/09/1995
Toluene	50	52.0	104.0	11/09/1995
Trichloroethene	50	51.0	102.0	11/09/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	51.9	103.8	11/13/1995
Benzene	50	51.1	102.2	11/13/1995
Chlorobenzene	50	49.5	99.0	11/13/1995
Toluene	50	49.1	98.2	11/13/1995
Trichloroethene	50	50.3	100.6	11/13/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	49.1	98.2	11/14/1995
Benzene	50	48.1	96.2	11/14/1995
Chlorobenzene	50	46.4	92.8	11/14/1995

LCS - Laboratory Control Standard

Note: Recovery limits for fuels 80-120%. 8010, 8020, 8240, 8260, 8270, 624, 625 specified in method.
Recovery limits for metals analyses 80-120%. 418.1 limits are 90-140%.

QUALITY CONTROL REPORT
LABORATORY CONTROL STANDARD

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	LCS True Concentration	Concentration Found	LCS % Recovery	Date Analyzed
Toluene	50	47.2	94.4	11/14/1995
Trichloroethene	50	48.9	97.8	11/14/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1-Dichloroethene	50	49.2	98.4	11/15/1995
Benzene	50	51.0	102.0	11/15/1995
Chlorobenzene	50	51.6	103.2	11/15/1995
Toluene	50	52.2	104.4	11/15/1995
Trichloroethene	50	50.4	100.8	11/15/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	50	90	83.3	11/17/1995
o-Terphenyl (Surr.)	100	111	111.0	11/17/1995
OAR TPH-418.1M (S)	49.9	59.2	118.6	11/16/1995

LCS - Laboratory Control Standard

Note: Recovery limits for fuels 80-120%. 8010, 8020, 8240, 8260, 8270, 624, 625 specified in method.
Recovery limits for metals analyses 80-120%. 418.1 limits are 90-140%.

QUALITY CONTROL REPORT
MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	Matrix Spike Result	Sample Result	Spike Amount	Units	Percent Recovery	MSD Result	MSD Spike Amount	Units	Percent Recovery	MS/MSD RPD
TCLP - Arsenic, ICP	0.530	ND	0.500	mg/L	106.0	0.530	0.500	mg/L	106.0	0.0
TCLP - Barium, ICP	1.5	0.920	0.500	mg/L	116.0	1.4	0.500	mg/L	96.0	18.8
TCLP - Cadmium, ICP	0.480	ND	0.500	mg/L	96.0	0.480	0.500	mg/L	96.0	0.0
TCLP - Chromium, ICP	0.470	ND	0.500	mg/L	94.0	0.470	0.500	mg/L	94.0	0.0
TCLP - Lead, ICP	0.470	ND	0.500	mg/L	94.0	0.470	0.500	mg/L	94.0	0.0
TCLP - Mercury	0.00206	ND	0.0020	mg/L	103.0	0.0020	0.0020	mg/L	100.0	3.0
TCLP - Selenium, ICP	0.490	0.005	0.500	mg/L	97.0	0.490	0.500	mg/L	97.0	0.0
TCLP - Silver, ICP	0.520	ND	0.500	mg/L	104.0	0.520	0.500	mg/L	104.0	0.0
VOLATILE COMPOUNDS (S) - 82										
Benzene	0.26	ND	0.25	mg/Kg	104.0	0.26	0.25	mg/Kg	104.0	0.0
Chlorobenzene	0.26	ND	0.25	mg/Kg	104.0	0.25	0.25	mg/Kg	100.0	3.9
1,1-Dichloroethene	0.29	ND	0.25	mg/Kg	116.0	0.27	0.25	mg/Kg	108.0	7.1
Toluene	0.26	ND	0.25	mg/Kg	104.0	0.25	0.25	mg/Kg	100.0	3.9
Trichloroethene	0.25	ND	0.25	mg/Kg	100.0	0.25	0.25	mg/Kg	100.0	0.0
VOLATILE COMPOUNDS (S) - 82										
Benzene	5.3	ND	5.0	mg/Kg	106.0	5.5	5.0	mg/Kg	110.0	3.7
Chlorobenzene	5.3	ND	5.0	mg/Kg	106.0	5.3	5.0	mg/Kg	106.0	0.0
1,1-Dichloroethene	6.0	ND	5.0	mg/Kg	120.0	5.7	5.0	mg/Kg	114.0	5.1
Toluene	5.6	0.77	5.0	mg/Kg	96.6	5.7	5.0	mg/Kg	98.6	2.0
Trichloroethene	5.2	ND	5.0	mg/Kg	104.0	5.3	5.0	mg/Kg	106.0	1.9

NOTE: Matrix Spike Samples may not be samples from this job.

MS = Matrix Spike
MSD = Matrix Spike Duplicate
RPD = Relative Percent Difference
dil.= Diluted Out

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
TCLP - Arsenic, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Barium, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Cadmium, ICP	ND	0.002	mg/L	11/15/1995
TCLP - Chromium, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Lead, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Mercury	ND	0.0002	mg/L	11/14/1995
TCLP - Selenium, ICP	ND	0.005	mg/L	11/15/1995
TCLP - Silver, ICP	ND	0.005	mg/L	11/15/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/08/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/08/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/08/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/08/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/08/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/08/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/08/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/08/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/08/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/08/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/08/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/08/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/08/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/08/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/08/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/08/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/08/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
2-Butanone	ND	20	ug/Kg	11/08/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/08/1995
2-Hexanone	ND	20	ug/Kg	11/08/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/08/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/08/1995
MIBK	ND	20	ug/Kg	11/08/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/08/1995
Acetone	ND	20	ug/Kg	11/08/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/08/1995
Benzene	ND	5.0	ug/Kg	11/08/1995
Bromobenzene	ND	5.0	ug/Kg	11/08/1995
Bromochloromethane	ND	5.0	ug/Kg	11/08/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/08/1995
Bromoform	ND	5.0	ug/Kg	11/08/1995
Bromomethane	ND	5.0	ug/Kg	11/08/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/08/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/08/1995
Chlorobenzene	ND	5.0	ug/Kg	11/08/1995
Chloroethane	ND	5.0	ug/Kg	11/08/1995
Chloroform	ND	5.0	ug/Kg	11/08/1995
Chloromethane	ND	5.0	ug/Kg	11/08/1995
Dibromomethane	ND	5.0	ug/Kg	11/08/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/08/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/08/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/08/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/08/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Methylene Chloride	ND	50	ug/Kg	11/08/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/08/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/08/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/08/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/08/1995
Naphthalene	ND	5.0	ug/Kg	11/08/1995
Styrene	ND	5.0	ug/Kg	11/08/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/08/1995
Toluene	ND	5.0	ug/Kg	11/08/1995
Trichloroethene	ND	5.0	ug/Kg	11/08/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/08/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/08/1995
m,p-xylene	ND	5.0	ug/Kg	11/08/1995
o-xylene	ND	5.0	ug/Kg	11/08/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/08/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/08/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/08/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/08/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/08/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/08/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/08/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/08/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/08/1995
1,2-Dichloroethane-d4	92		%	11/08/1995
Toluene-d8	89		%	11/08/1995
4-Bromofluorobenzene	102		%	11/08/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/09/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/09/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/09/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/09/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/09/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/09/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/09/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/09/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/09/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/09/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/09/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/09/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/09/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/09/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/09/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/09/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/09/1995
2-Butanone	ND	20	ug/Kg	11/09/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/09/1995
2-Hexanone	ND	20	ug/Kg	11/09/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/09/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/09/1995
MIBK	ND	20	ug/Kg	11/09/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/09/1995
Acetone	ND	20	ug/Kg	11/09/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/09/1995
Benzene	ND	5.0	ug/Kg	11/09/1995
Bromobenzene	ND	5.0	ug/Kg	11/09/1995
Bromochloromethane	ND	5.0	ug/Kg	11/09/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/09/1995
Bromoform	ND	5.0	ug/Kg	11/09/1995
Bromomethane	ND	5.0	ug/Kg	11/09/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/09/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/09/1995
Chlorobenzene	ND	5.0	ug/Kg	11/09/1995
Chloroethane	ND	5.0	ug/Kg	11/09/1995
Chloroform	ND	5.0	ug/Kg	11/09/1995
Chloromethane	ND	5.0	ug/Kg	11/09/1995
Dibromomethane	ND	5.0	ug/Kg	11/09/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/09/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/09/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/09/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/09/1995
Methylene Chloride	ND	50	ug/Kg	11/09/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/09/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/09/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/09/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/09/1995
Naphthalene	ND	5.0	ug/Kg	11/09/1995
Styrene	ND	5.0	ug/Kg	11/09/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/09/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Toluene	ND	5.0	ug/Kg	11/09/1995
Trichloroethene	ND	5.0	ug/Kg	11/09/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/09/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/09/1995
m,p-xylene	ND	5.0	ug/Kg	11/09/1995
o-xylene	ND	5.0	ug/Kg	11/09/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/09/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/09/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/09/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/09/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/09/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/09/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/09/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/09/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/09/1995
1,2-Dichloroethane-d4	95		%	11/09/1995
Toluene-d8	89		%	11/09/1995
4-Bromofluorobenzene	99		%	11/09/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/13/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/13/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/13/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/13/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/13/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/13/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/13/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,1-Dichloroethene	ND	5.0	ug/Kg	11/13/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/13/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/13/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/13/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/13/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/13/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/13/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/13/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/13/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/13/1995
2-Butanone	ND	20	ug/Kg	11/13/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/13/1995
2-Hexanone	ND	20	ug/Kg	11/13/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/13/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/13/1995
MIBK	ND	20	ug/Kg	11/13/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/13/1995
Acetone	ND	20	ug/Kg	11/13/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/13/1995
Benzene	ND	5.0	ug/Kg	11/13/1995
Bromobenzene	ND	5.0	ug/Kg	11/13/1995
Bromochloromethane	ND	5.0	ug/Kg	11/13/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/13/1995
Bromoform	ND	5.0	ug/Kg	11/13/1995
Bromomethane	ND	5.0	ug/Kg	11/13/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/13/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Carbon Tetrachloride	ND	5.0	ug/Kg	11/13/1995
Chlorobenzene	ND	5.0	ug/Kg	11/13/1995
Chloroethane	ND	5.0	ug/Kg	11/13/1995
Chloroform	ND	5.0	ug/Kg	11/13/1995
Chloromethane	ND	5.0	ug/Kg	11/13/1995
Dibromomethane	ND	5.0	ug/Kg	11/13/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/13/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/13/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/13/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/13/1995
Methylene Chloride	ND	50	ug/Kg	11/13/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/13/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/13/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/13/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/13/1995
Naphthalene	ND	5.0	ug/Kg	11/13/1995
Styrene	ND	5.0	ug/Kg	11/13/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/13/1995
Toluene	ND	5.0	ug/Kg	11/13/1995
Trichloroethene	ND	5.0	ug/Kg	11/13/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/13/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/13/1995
m,p-xylene	ND	5.0	ug/Kg	11/13/1995
o-xylene	ND	5.0	ug/Kg	11/13/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/13/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/13/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
n-Butylbenzene	ND	5.0	ug/Kg	11/13/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/13/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/13/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/13/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/13/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/13/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/13/1995
1,2-Dichloroethane-d4	89		%	11/13/1995
Toluene-d8	100		%	11/13/1995
4-Bromofluorobenzene	100		%	11/13/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/14/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/14/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/14/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/14/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/14/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/14/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/14/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/14/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/14/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/14/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/14/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/14/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/14/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/14/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/14/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/14/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/14/1995
2-Butanone	ND	20	ug/Kg	11/14/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/14/1995
2-Hexanone	ND	20	ug/Kg	11/14/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/14/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/14/1995
MIBK	ND	20	ug/Kg	11/14/1995
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/14/1995
Acetone	ND	20	ug/Kg	11/14/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/14/1995
Benzene	ND	5.0	ug/Kg	11/14/1995
Bromobenzene	ND	5.0	ug/Kg	11/14/1995
Bromochloromethane	ND	5.0	ug/Kg	11/14/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/14/1995
Bromoform	ND	5.0	ug/Kg	11/14/1995
Bromomethane	ND	5.0	ug/Kg	11/14/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/14/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/14/1995
Chlorobenzene	ND	5.0	ug/Kg	11/14/1995
Chloroethane	ND	5.0	ug/Kg	11/14/1995
Chloroform	ND	5.0	ug/Kg	11/14/1995
Chloromethane	ND	5.0	ug/Kg	11/14/1995
Dibromomethane	ND	5.0	ug/Kg	11/14/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/14/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/14/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/14/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/14/1995
Methylene Chloride	ND	50	ug/Kg	11/14/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/14/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/14/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/14/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/14/1995
Naphthalene	ND	5.0	ug/Kg	11/14/1995
Styrene	ND	5.0	ug/Kg	11/14/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/14/1995
Toluene	ND	5.0	ug/Kg	11/14/1995
Trichloroethene	ND	5.0	ug/Kg	11/14/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/14/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/14/1995
m,p-xylene	ND	5.0	ug/Kg	11/14/1995
o-xylene	ND	5.0	ug/Kg	11/14/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/14/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/14/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/14/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/14/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/14/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/14/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/14/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/14/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/14/1995
1,2-Dichloroethane-d4	100		%	11/14/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Toluene-d8	88		%	11/14/1995
4-Bromofluorobenzene	104		%	11/14/1995
VOLATILE COMPOUNDS (S) - 8260				
1,1,1,2-Tetrachloroethane	ND	5.0	ug/Kg	11/15/1995
1,1,1-Trichloroethane	ND	5.0	ug/Kg	11/15/1995
Vinyl Acetate	ND	5.0	ug/Kg	11/15/1995
1,2,3-Trimethylbenzene	ND	5.0	ug/Kg	11/15/1995
1,1,2,2,-Tetrachloroethane	ND	5.0	ug/Kg	11/15/1995
1,1,2-Trichloroethane	ND	5.0	ug/Kg	11/15/1995
1,1_Dichloroethane	ND	5.0	ug/Kg	11/15/1995
1,1-Dichloroethene	ND	5.0	ug/Kg	11/15/1995
1,1-Dichloropropene	ND	5.0	ug/Kg	11/15/1995
1,2,3-Trichloropropane	ND	5.0	ug/Kg	11/15/1995
1,2-Dibromo-3-Chloropropane	ND	5.0	ug/Kg	11/15/1995
1,2-Dibromomethane	ND	5.0	ug/Kg	11/15/1995
1,2-Dichloroethane	ND	5.0	ug/Kg	11/15/1995
1,2-Dichloropropane	ND	5.0	ug/Kg	11/15/1995
1,3-Dichloropropane	ND	5.0	ug/Kg	11/15/1995
1,3,5-Trimethylbenzene	ND	5.0	ug/Kg	11/15/1995
2,2-Dichloropropane	ND	5.0	ug/Kg	11/15/1995
2-Butanone	ND	20	ug/Kg	11/15/1995
2-Chlorotoluene	ND	5.0	ug/Kg	11/15/1995
2-Hexanone	ND	20	ug/Kg	11/15/1995
1,2,4-Trimethylbenzene	ND	5.0	ug/Kg	11/15/1995
4-Chlorotoluene	ND	5.0	ug/Kg	11/15/1995
MIBK	ND	20	ug/Kg	11/15/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
1,2,4-Trichlorobenzene	ND	5.0	ug/Kg	11/15/1995
Acetone	ND	20	ug/Kg	11/15/1995
1,2,3-Trichlorobenzene	ND	5.0	ug/Kg	11/15/1995
Benzene	ND	5.0	ug/Kg	11/15/1995
Bromobenzene	ND	5.0	ug/Kg	11/15/1995
Bromochloromethane	ND	5.0	ug/Kg	11/15/1995
Bromodichloromethane	ND	5.0	ug/Kg	11/15/1995
Bromoform	ND	5.0	ug/Kg	11/15/1995
Bromomethane	ND	5.0	ug/Kg	11/15/1995
Carbon Disulfide	ND	5.0	ug/Kg	11/15/1995
Carbon Tetrachloride	ND	5.0	ug/Kg	11/15/1995
Chlorobenzene	ND	5.0	ug/Kg	11/15/1995
Chloroethane	ND	5.0	ug/Kg	11/15/1995
Chloroform	ND	5.0	ug/Kg	11/15/1995
Chloromethane	ND	5.0	ug/Kg	11/15/1995
Dibromomethane	ND	5.0	ug/Kg	11/15/1995
1,2-Dichlorobenzene	ND	5.0	ug/Kg	11/15/1995
1,3-Dichlorobenzene	ND	5.0	ug/Kg	11/15/1995
1,4-Dichlorobenzene	ND	5.0	ug/Kg	11/15/1995
Dichlorodifluoromethane	ND	5.0	ug/Kg	11/15/1995
Methylene Chloride	ND	50	ug/Kg	11/15/1995
Dibromochloromethane	ND	5.0	ug/Kg	11/15/1995
Ethyl Benzene	ND	5.0	ug/Kg	11/15/1995
Hexachlorobutadiene	ND	5.0	ug/Kg	11/15/1995
Isopropylbenzene	ND	5.0	ug/Kg	11/15/1995
Naphthalene	ND	5.0	ug/Kg	11/15/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
Styrene	ND	5.0	ug/Kg	11/15/1995
Tetrachloroethene	ND	5.0	ug/Kg	11/15/1995
Toluene	ND	5.0	ug/Kg	11/15/1995
Trichloroethene	ND	5.0	ug/Kg	11/15/1995
Trichlorofluoromethane	ND	5.0	ug/Kg	11/15/1995
Vinyl Chloride	ND	5.0	ug/Kg	11/15/1995
m,p-xylene	ND	5.0	ug/Kg	11/15/1995
o-xylene	ND	5.0	ug/Kg	11/15/1995
cis-1,2-Dichloroethene	ND	5.0	ug/Kg	11/15/1995
cis-1,3-Dichloropropene	ND	5.0	ug/Kg	11/15/1995
n-Butylbenzene	ND	5.0	ug/Kg	11/15/1995
N-Propylbenzene	ND	5.0	ug/Kg	11/15/1995
p-isopropyltoluene	ND	5.0	ug/Kg	11/15/1995
sec-Butylbenzene	ND	5.0	ug/Kg	11/15/1995
tert-Butylbenzene	ND	5.0	ug/Kg	11/15/1995
trans-1,2-Dichloroethene	ND	5.0	ug/Kg	11/15/1995
trans-1,2-Dichloropropene	ND	5.0	ug/Kg	11/15/1995
1,2-Dichloroethane-d4	103		%	11/15/1995
Toluene-d8	100		%	11/15/1995
4-Bromofluorobenzene	97		%	11/15/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	ND	20	mg/Kg	11/08/1995
o-Terphenyl (Surr.)	88	-	%	11/08/1995
OAR TPH-DIESEL (S)				
TPH-Diesel	ND	20	mg/Kg	11/09/1995
o-Terphenyl (Surr.)	85	-	%	11/09/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
BLANKS

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

NET Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM
Location: 95031

Analyte	Blank Analysis	MDL	Units	Date Analyzed
OAR TPH-418.1M (S)	ND	5	mg/Kg	11/15/1995
OAR TPH-418.1M (S)	ND	5	mg/Kg	11/16/1995

Advisory Control Limits for Blanks:
Metals/Wet Chemistry/ Conventionals/GC - all compounds should be less than the Reporting Limit.
GC/MS - Semi-Volatiles - all compounds should be less than the Reporting Limit except for phthalates which should be less than 5 times the reporting limit.

QUALITY CONTROL REPORT
DUPLICATES

Blymyer Engineering Cons
1829 Clement Avenue
Alameda, CA 95401-1395

Date: 11/20/1995

Job Number: 95.03731

Contact: Ramon Khu
Project: CF-PTM

Analyte	Original Analysis	Duplicate Analysis	Units	RPD	Date Analyzed	Flag
OAR TPH-HCID (S)						
Gasoline	ND	ND	mg/Kg		11/06/1995	
Diesel	ND	ND	mg/Kg		11/06/1995	F,R
Heavy Oil	H. Oil	H. Oil	mg/Kg		11/06/1995	
OAR TPH-HCID (S)						
Gasoline	ND		mg/Kg		11/06/1995	
Diesel	Diesel		mg/Kg		11/06/1995	F
Heavy Oil	H. Oil		mg/Kg		11/06/1995	
OAR TPH-HCID (S)						
Gasoline	ND	ND	mg/Kg		11/06/1995	
Diesel	Diesel	Diesel	mg/Kg		11/06/1995	
Heavy Oil	ND	ND	mg/Kg		11/06/1995	
OAR TPH-HCID (S)						
Gasoline	ND	ND	mg/Kg		11/07/1995	
Diesel	ND	ND	mg/Kg		11/07/1995	
Heavy Oil	ND	ND	mg/Kg		11/07/1995	
OAR TPH-DIESEL (S)						
TPH-Diesel	720	720	mg/Kg	0.0	11/08/1995	
OAR TPH-DIESEL (S)						
TPH-Diesel	ND	ND	mg/Kg		11/10/1995	
OAR TPH-DIESEL (S)						
TPH-Diesel	ND	ND	mg/Kg		11/10/1995	
OAR TPH-418.1M (S)	19400	17700	mg/Kg	9.2	11/15/1995	
OAR TPH-418.1M (S)	1700	1800	mg/Kg	5.7	11/15/1995	R

NOTE: Duplicates may not be samples from this job.

RPD - Relative Percent Difference

A	This sample does not have a typical gasoline pattern.
B1	This sample does not have a typical diesel pattern.
B	The blank exhibited a positive result greater than the reporting limit for this compound.
C	The sample appears to contain a lighter hydrocarbon than gasoline.
D	The sample appears to extend to a heavier hydrocarbon range than gasoline.
E	The sample appears to extend to a lighter hydrocarbon range than diesel.
F	The sample appears to extend to a heavier hydrocarbon range than diesel.
G	The positive result for gasoline is due to single component comtamination.
H	The gasoline elution pattern for the sample is not typical.
I	The oil pattern for this sample is not typical.
J	The result for this compound is an estimated concentration.
L	The LCS recovery exceeded control limits. See the LCS page of this report.
M	MS and/or MSD percent recovery exceeds control limits.
MR	The MS/MSD RPD is greater than 20%. The sample was re-extracted and re-analyzed with similar results. This is due to a matrix interference, likely a non-homogeneity of the sample.
P	A post digestion spike was analyzed, and recoveries are within control limits.
Q	Detection limits elevated due to sample matrix.
R	The duplicate RPD was greater than 20%. The sample was re-extracted and re-analyzed with similar results. This indicates a matrix interference in the sample, likely a non-homogeneity of the sample.
SR	Surrogate recovery outside control limits. See the surrogate page of the report.
W	The duplicate RPD was greater than 20%. Due to insufficient sample, re-analysis was not possible.
X	Sample was analyzed outside recommended holding times.
Y	The result for this parameter was greater than the TCLP regulatory limit.
Z	The pattern seen for the parameter being analyzed is not typical.

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

CHAIN OF CUSTODY RECORD

JOB # 95031

PROJECT NAME/LOCATION: CF-PTM

SAMPLERS (SIGNATURE):

TURNAROUND TIME: 1 DAY(S)

REMARKS:

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)	TPH-HCID	8240	TCLP(3)	TCLP(8)	8080	~~418~~ 418.1
11-7-95	8:15		X	WO-S-1 (15')	1							X	X	X			
11-7-95	8:25		X	WO-S-2 (10')	1							X					
11-7-95	8:35		X	WO-N-1 (15')	1							X					
11-7-95	8:45		X	WO-N-2 (9')	1							X					
11-7-95	8:55		X	SP-1	1							X	x		X	X	X
11-7-95	9:00		X	SP-2	1							X					

REQUESTED BY: Ramon Khu

RESULTS AND INVOICE TO: CF Motor Freight c/o Blymyer Engineers

RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)	RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED BY: (SIGNATURE)
	11/7/95 2:25			11/7/95 1415	
RELINQUISHED BY: (SIGNATURE)	DATE / TIME	RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE / TIME	REMARKS:	

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

MATRIX CHECKLIST

X 1. The release of petroleum has been reported to the DEQ (220).

X 2. The Matrix Score Sheet has been completed for this site, unless the site is cleaned up to the most stringent cleanup level (320).

X 3. The required hydrocarbon identification test (TPH-HCID) has been performed (335(3)), and, if detectable levels were found, the appropriate analytical method or methods have been used to measure the levels of contamination (350).

X 4. A sketch has been made of this site (345(1)) which clearly shows:

X a. The location of all buildings and other key features, both man-made and natural;

X b. The names of adjacent streets and properties;

X c. The location of all excavations including those that were for the removal of tanks and associated piping as well as those that were strictly for the removal of contaminated soils;

X d. The location of all product storage tanks, lines and dispensers, including those that were decommissioned as well as those that remain on the site; and

X e. All soil and water sample locations.

N/A 5. If any contaminated soil exceeding matrix limits has been left on site, the reason for leaving this soil has been explained and the requirements of 355(4) have been met.

N/A 6. If water was present in the tank pit, the Department was notified, the water was pumped from the pit, and the requirements of 340(4) have been met.

X 7. All soil and/or water samples have been collected, coded, stored and shipped as specified in the rules, and proper chain-of-custody forms have been filled out (345).

X 8. If a release from a waste oil tank was discovered, at least one sample has been analyzed by the methods specified in 350(5).

N/A 9. If a tank was decommissioned in place, the Department gave prior approval for a site-specific sampling plan (340(5)).

X 10. A report has been prepared which includes a detailed description of everything that was observed and performed at the site, contains all of the information required by the rules (360), and presents findings and recommendations which are consistent with Departmental regulations.