LUST/UST

Site #
384923

FINAL CLOSURE REPORT
FOR
UNION PACIFIC RAILROAD 1246 TD
YAKIMA, WASHINGTON

UPRR Site 096
Tank 1
2nd & PINE St Site
Section 19

April 3, 1992

PREPARED BY:

USPCI
5665 FLATIRON PARKWAY
BOULDER, COLORADO 80301

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1.0 INTRODUCTION

USPCI, a wholly owned subsidiary of Union Pacific Corporation, removed an underground storage tank owned and operated by Union Pacific Railroad (UPRR) in Yakima, Washington on November 9, 1989. At that time, the UST was closed by removal and laboratory results from soil samples taken during the closure indicated elevated levels of total petroleum hydrocarbons (TPH) existing in the soil at Tank 1. Tank 1 was a 200 gallon steel tank which historically held gasoline.

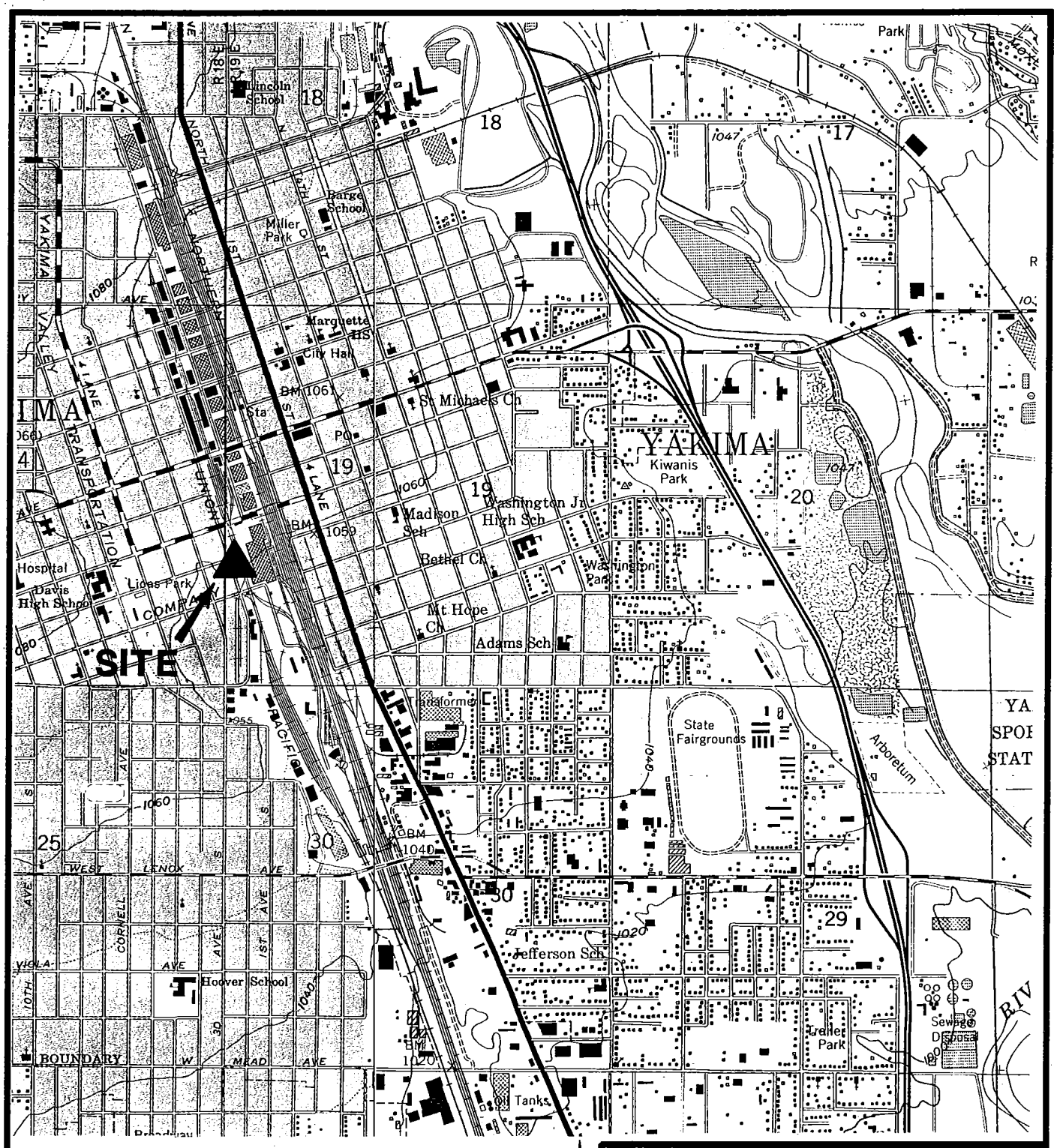
Further site investigation was conducted and in September 1990, a Site Assessment Report was subsequently submitted to the Washington Department of Ecology.

1.1 Location

The Yakima, Washington UST site is located in the ~~NW~~ SW 1/4 of Section ~~30~~ 19, Township 13 North, Range 19 East, Yakima County, Washington (Figure 1). The tank was located in the UPRR railyard at the intersection of 2nd and Pine Street. Figure 2 is a site plan indicating the tank location.

1.2 Purpose

This report includes a discussion of the Yakima, Washington UST closure activities, encompassing excavation procedures, monitoring, sampling, analytical results, tank disposition, investigation activities, and remediation activities for Tank 1.



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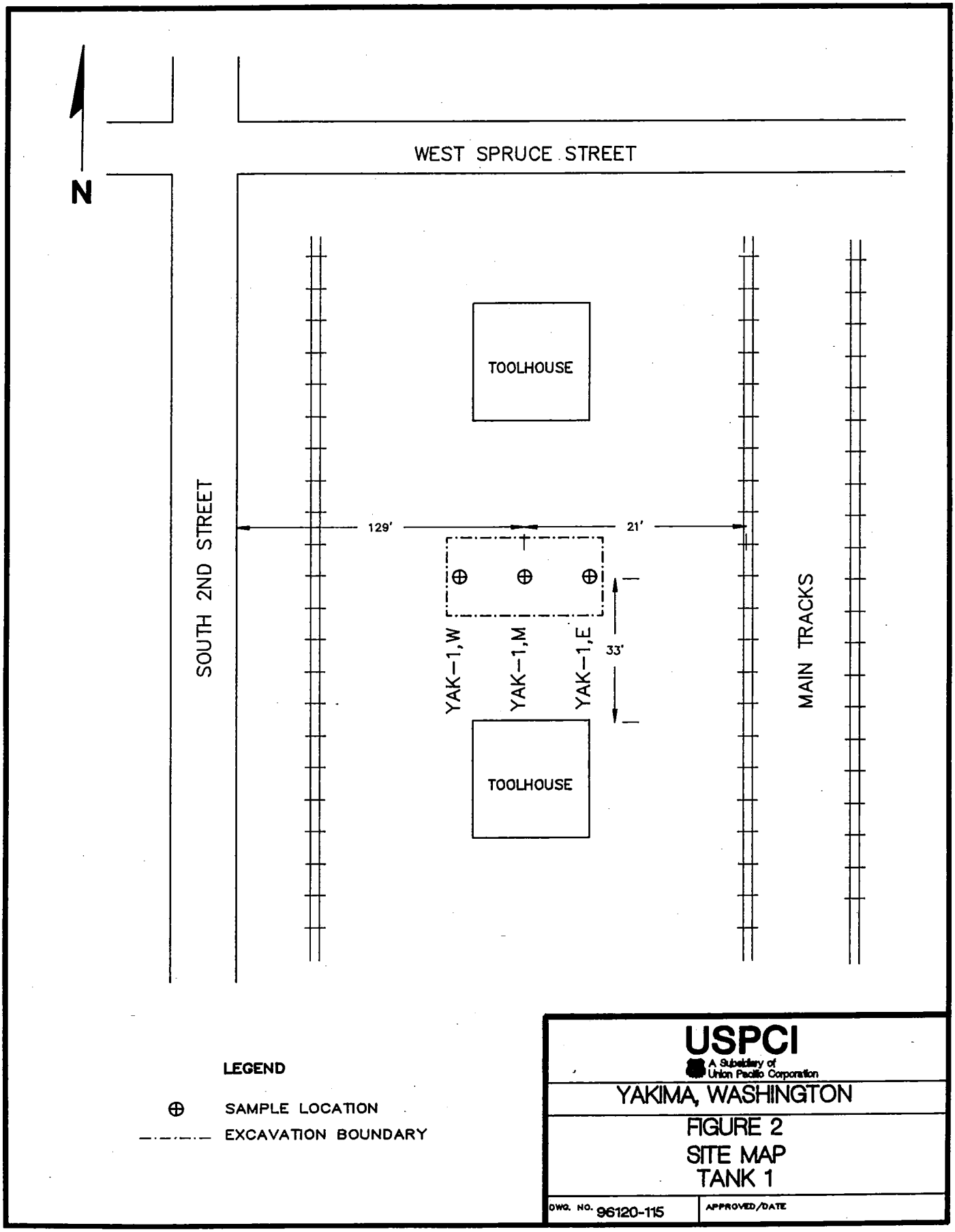
YAKIMA, WASHINGTON

FIGURE 1
SITE LOCATION MAP
TANK NO. 1

SCALE:	APPROVED/DATE
1"=2000'	3/92



LEGEND

⊕ SAMPLE LOCATION

EXCAVATION BOUNDARY

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YAKIMA, WASHINGTON

FIGURE 2
SITE MAP
TANK 1

DWG. NO. 96120-115

APPROVED/DATE

2.0 BACKGROUND

Mr. Alan Jensen, Manager of Engineering Maintenance was the contact person with UPRR on this project. Background geologic and hydrologic information for this project was collected through the Washington Department of Ecology and the US Geological Survey.

2.1 UST Closure

USPCI made an preliminary site inspection of the Yakima UST on November 2, 1989. At that time, no signs of leakage was observed.

2.1.1 Procedure

On November 9, 1989, USPCI excavated and closed the 200 gallon UST by removal. Throughout the tank excavation and closure the atmosphere in the vicinity of the excavation was monitored with a photoionization detector (PID) to test the presence of volatile organics. This testing was performed in order to determine the need for respiratory protection during the excavation process and as a preliminary test for a release. Readings taken in the breathing zone with the PID during the excavating were at background levels.

A Combustible Gas Indicator (CGI) was used to measure the percent oxygen and lower explosive limit within the tank. The initial explosive limit of the tank atmosphere was 0%. The tank was then purged with dry ice to inert the atmosphere within it. After the tank was considered safe to handle, it was removed from the excavation.

2.1.2 Tank Integrity

At the time of removal, the tank appeared to be in good condition with no holes. Tank 1 was subsequently loaded onto a railroad car and transported to Tanks Away in Denver, Colorado for disposal. A disposal certificate is on file at USPCI's office in Boulder, Colorado.

2.1.3 Visual Observations

No apparent sign of a release was observed during the tank excavation and PID work area readings were at background level.

2.1.4 Sample Locations

After the tank was removed from the excavation, three soil samples were collected from the bottom of the excavation and sent to Industrial Laboratories in Denver, Colorado for analysis. Figure 3 illustrates the sample locations for the soil samples, YAK1-E, YAK1-M, and YAK1-W.

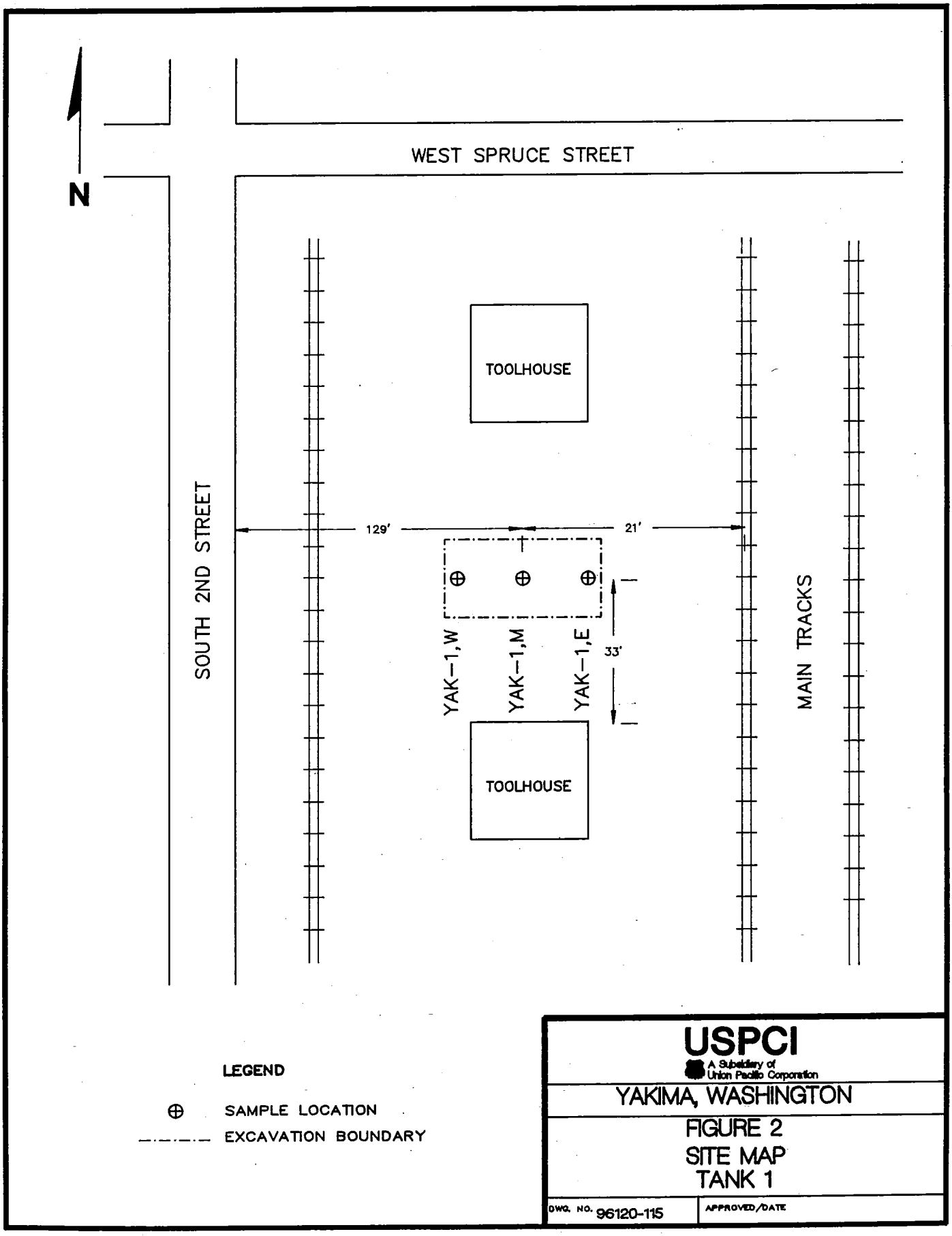
The samples collected from the excavation were analyzed for TPH, benzene, toluene, ethylbenzene and xylene (BTEX), lead, and ignitability. Laboratory analysis results indicated TPH values ranging from 45 mg/kg to 580 mg/kg. All BTEX values were below the detection limit of 10 mg/kg. EP Toxicity Lead values were below the detection limit of 0.01 mg/l. None of the soil samples were ignitable to 140°F. (Appendix A)

2.1.5 Nature of Release

The contamination was apparently caused by spills or overfills over the life of the tank. Because the release was detected in the excavation after the tank was removed and no historical records are available, it is not possible to ascertain when the release occurred or the volume of fuel lost.

2.1.6 Steps Taken to Mitigate Hazards

Removal of the tank and backfilling of the excavation mitigated all immediate hazards from the potential leaking UST.



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YAKIMA, WASHINGTON

FIGURE 2
SITE MAP
TANK 1

DWG. NO. 96120-115 | APPROVED/DATE

2.2 Initial Site Characterization

The initial site assessment of the Yakima Tank 1 site was conducted on April 25 and 26, 1990. USPCI had two soil borings drilled in the soil around Tank 1 to investigate the extent of TPH contamination in the soil. Soil borings YAK-MW-4 and YAK-SB-2 were drilled to depths of 20 feet below grade (BG) using an ODEX drilling system. No evidence of petroleum hydrocarbon contamination was observed. Figure 4 illustrates the soil boring locations.

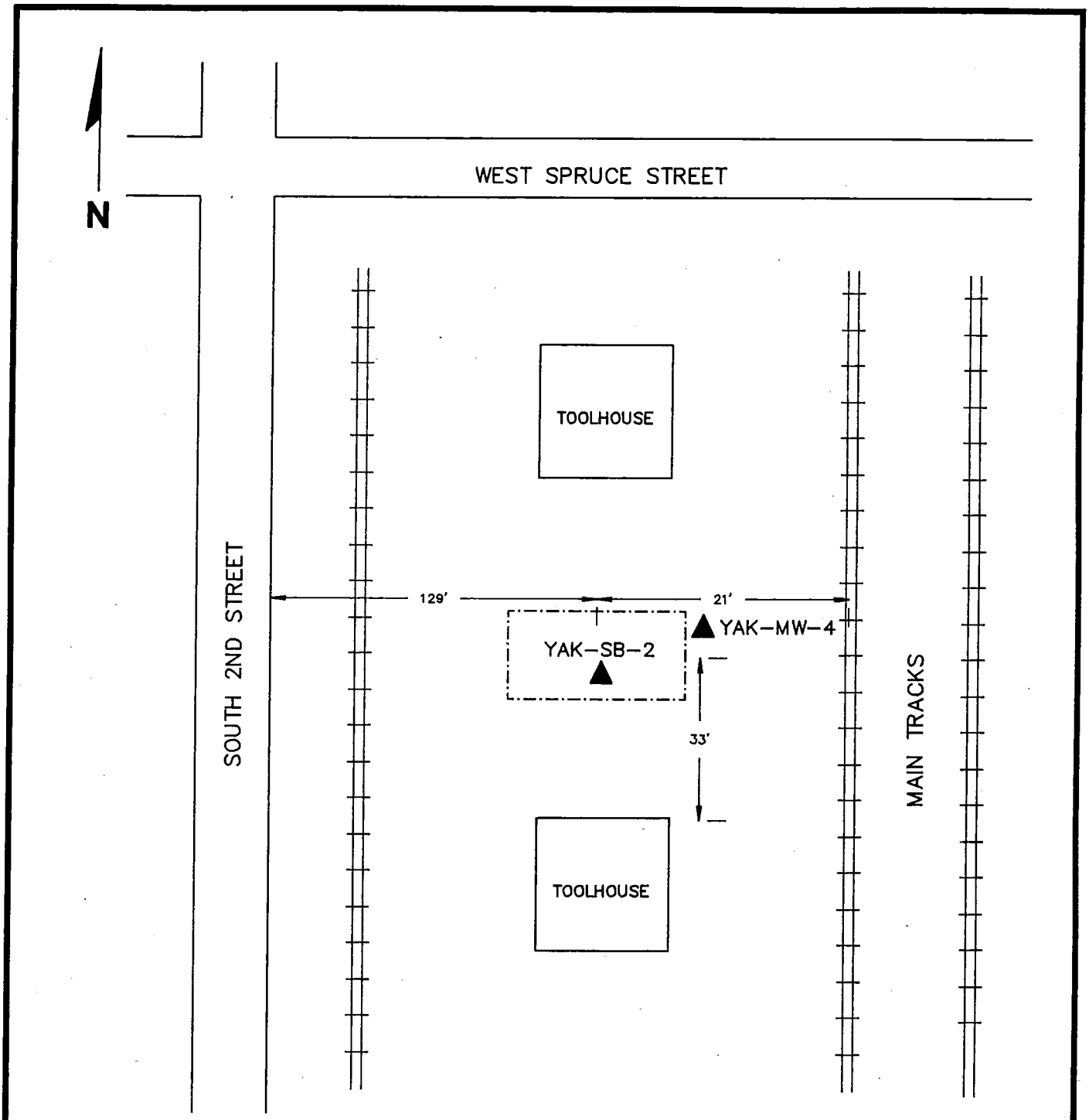
2.2.1 Soil Conditions

During USPCI's April 1990 field investigation, sands and river gravel were observed to a depth of 20 feet BG. Groundwater was not encountered during the drilling.

2.2.2 Regional Geology

At the end of the Miocene epoch, the area that is now the Yakima area was part of a vast, monotonous plain of basaltic lava that covered most of western Washington and extended eastward into Idaho and southward into Oregon. The basaltic lava flows were extruded from fissures which probably centered somewhere southeast of the Yakima region. At the west side of the lava plain, approximately where the present Cascade Mountains now stand, there was a region of more intense volcanic activity at an elevation somewhat higher than the lava plain but probably lower than the present Cascades. Those ancestral Cascade Mountains were the source for the sedimentary materials, constituting the Ellensburg formation, that were transported by eastward-flowing streams and deposited along the west side of the lava plain.

The Yakima basalt is the basal rock unit, or bedrock of the Yakima region and is composed of a sequence of basaltic lava flows several thousand feet thick, interbedded with a few minor sedimentary strata. The basalt is quite resistant to erosion and weathering and is a notable cliff-forming rock. Arched strata of basalt form the highest ridges of the region, including Ahtanum Ridge, Sedge Ridge, and Cowiche Mountain. Individual flow layers in the



LEGEND

▲ SOIL BORING LOCATION

-·-·-·- EXCAVATION BOUNDARY

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YAKIMA, WASHINGTON

FIGURE 6
SOIL BORING LOCATION MAP
TANK 1

DWG. NO. 96120-116 | APPROVED/DATE

Yakima basalt range from less than 20 to more than 200 feet in thickness, and individual flows may differ from place to place.

The Yakima basalt if overlain by the Ellensburg formation, which consists of several hundred feet of semiconsolidated clay, silt, sand, and gravel. In general, the Ellensburg formation is easily eroded, and over much of the uplands it has been entirely stripped away from the underlying basalt.

An extensive body of cemented basalt gravel overlies the older rock in the Yakima area. The cemented gravel is moderately resistant to erosion, and it caps, or forms entirely, the upland-bench deposits in the west half of the Ahtanum-Moxee subbasin. It may be wholly or partly contemporaneous with similar gravel bodies in other parts of the Yakima basin. The gravel unit consists of 75 percent or more cemented basaltic gravel and 25 percent of less sand, silt, and clay in lenses and discontinuous layers.

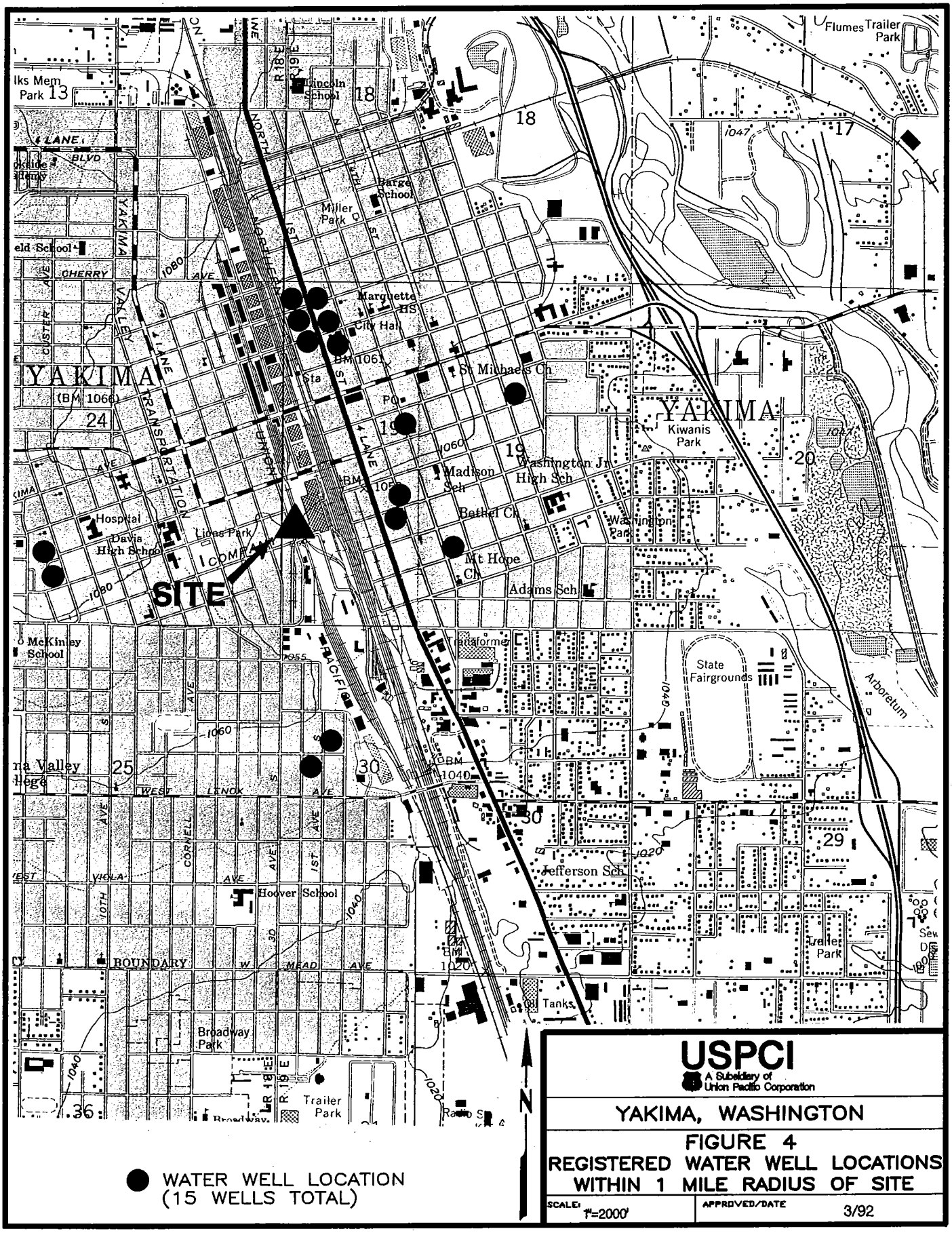
2.2.3 Relevant Site Hydrology

Fifteen registered water wells were located within a 1 mile radius of Tank 1. (Figure --) These water wells ranged from 27 feet to 815 feet in depth with static water levels ranging from 9 feet to 61 feet. Primary materials encountered in the surrounding wells consisted mostly of sands and river gravels with little clays and silts.

During the Tank 1 site investigation, groundwater was not encountered.

2.2.4 Important Sample Locations

Drill cutting samples were collected from depths of 9 feet BG and 19 feet BG for both soil borings.



● WATER WELL LOCATION
(15 WELLS TOTAL)

N

USPCI
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YAKIMA, WASHINGTON

FIGURE 4
REGISTERED WATER WELL LOCATIONS WITHIN 1 MILE RADIUS OF SITE

SCALE:	APPROVED/DATE
1"=2000'	3/92

2.2.5 Sample Protocol

Sample protocol was completed as detailed in the September 1990, Site Assessment Report.

2.3 Laboratory Analysis

Hager Laboratories, Inc. (HLI) of Golden, Colorado performed the laboratory analysis of the soil samples USPCI collected during the April 1990 site investigation. Laboratory analysis certificates are shown in Appendix B.

2.3.1 Procedures

Soil samples were analyzed by EPA Method 8020 for BTEX and EPA Method 418.1 for TPH.

2.3.2 Discussion

Laboratory analysis results indicated elevated levels of TPH were concentrated in the fill material in the immediate vicinity of Tank 1. Soil sample MW-4A, which was from a depth of 6 feet contained 92 mg/kg TPH. TPH was detected in soil samples SB-2A and SB-2B at values of 1,030 and 17 mg/kg, respectively. BTEX was not detected in the soil samples. Table 1 summarizes the April 1990 analysis results.

TABLE 1
Yakima, Washington
Tank 1 Analytical Results 4/90

SAMPLE	TPH (mg/kg)	BENZENE (ug/kg)	TOLUENE (ug/kg)	ETHYL BENZENE (ug/kg)	XYLENE (ug/kg)
Soil Samples					
MW-4A	92	ND	ND	ND	ND
MW-4B	ND	ND	ND	ND	ND
SB-2A	1,030	ND	ND	ND	ND
SB-2B	17	ND	ND	ND	ND

Note: Detection limit for soil samples:
BTEX - 1 ug/l TPH - 4 mg/kg
ND = Non Detect

4.0 REMEDIATION

Due to the elevated level of TPH encountered in soil from the tank excavation during the Tank 1 removal (45 mg/kg to 580 mg/kg) and boring sample SB-2A (1,030 ppm TPH), USPCI conducted remediation by excavation of contaminated soil. Analysis of Tank 1 excavation fill indicated 880 mg/kg TPH. Remediation activities were completed on March 19, 1991.

4.1 Procedures

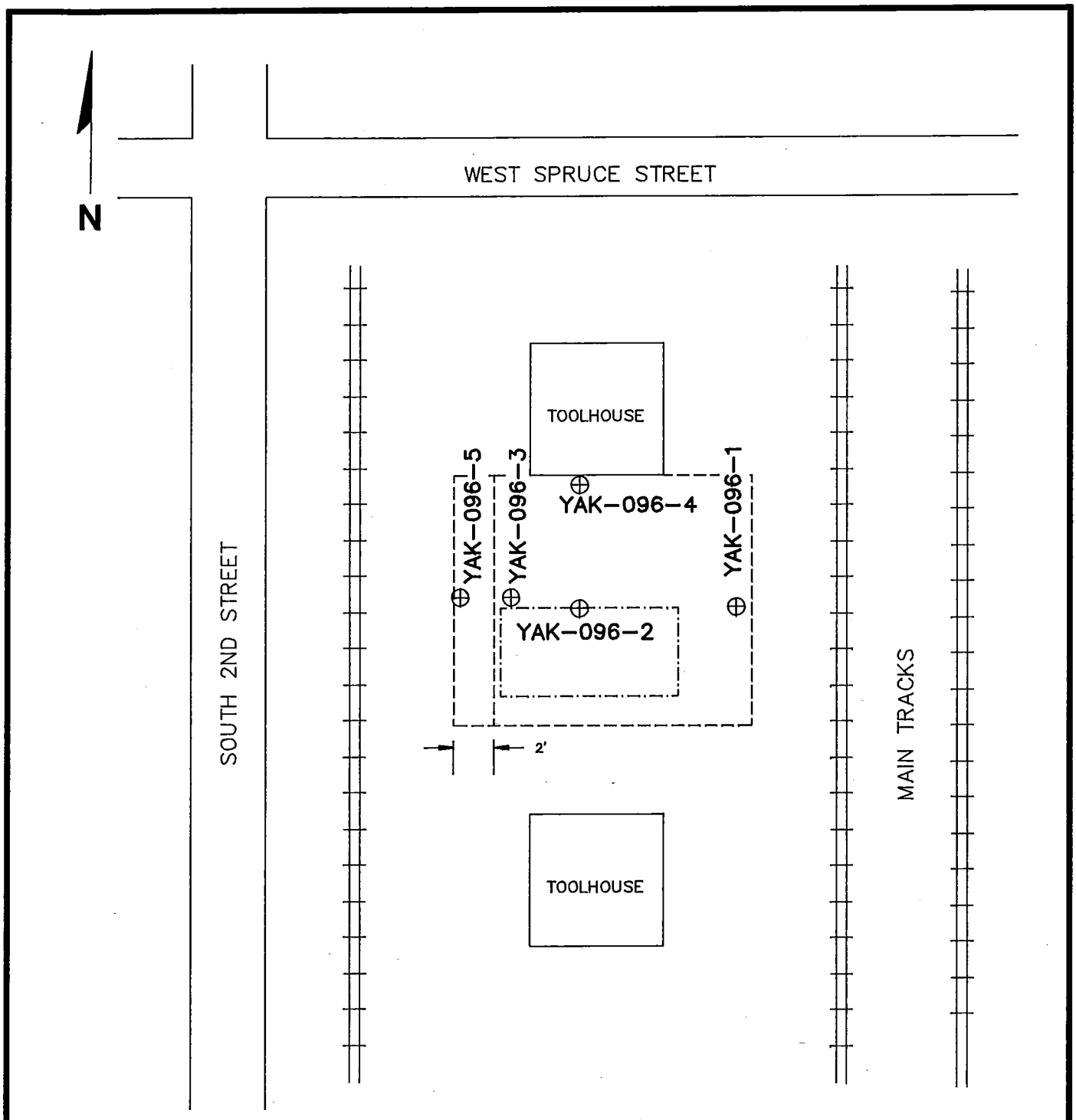
Field analyses was performed with a calibrated PID for organic vapor emissions and results above zero recorded in ppm. The excavation extended downward and laterally until the concentration of contaminants in the soil, as measured by the PID dropped to less than 10 ppm. The PID was used in three ways: 1) excavation zone monitoring as a general indication of contamination, 2) work area monitoring to assure proper respirator protection for workers, and 3) head space sampling to determine when excavation was complete.

4.2 Verification Sampling

On March 12, 1991, four verification samples (YAK-096-1 through YAK-096-4) were taken during the remediation to verify that the soil remediation was complete. The samples were taken from the center and the base of three walls in the Tank 1 excavation as shown in Figure 5. These verification samples were sent to Columbia Analytical Services, Inc., Kelsa, Washington.

TPH was analyzed using Method 418.1 and BTEX was analyzed using Methods 5030/8020. Table 2 summarizes the analytical results for the verification samples. Copies of the 3/13/91 analysis results are shown in Appendix D. TPH was detected in the soil samples in the Tank 1 excavation ranging from non-detect (method reporting limit of 25 mg/kg) to 115 mg/kg in YAK-096-3. BTEX was not detected in any of the soil samples.

Due to the elevated TPH level remaining in the soil at the YAK-096-3 location, more soil was removed from the west end of the excavation. An additional verification sample was taken, YAK-096-5, to verify the soil remediation was complete. Analysis results for YAK-096-5 indicated no TPH remaining in the soil. Two backfill samples were obtained and analyzed for TPH. The backfill samples, BF-2 and BF-3, indicated TPH levels were below the method reporting limit of 25 mg/kg.



LEGEND

⊕ SAMPLE LOCATION

—·—·— OVER-EXCAVATION BOUNDARY

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YAKIMA, WASHINGTON

FIGURE 5
TANK 1
VERIFICATION SOIL SAMPLES

SCALE: NONE

APPROVED/DATE

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TABLE 2
Yakima, Washington Tank 1
Verification Analytical Results 3/13/91 and 3/19/91

SAMPLE	Depth (ft.)	TPH (mg/kg)	BENZENE (ug/kg)	TOLUENE (ug/kg)	ETHYL BENZENE (ug/kg)	XYLENE (ug/kg)
3/13/91 Analyses						
YAK-096-1	6.5	ND	ND	ND	ND	ND
YAK-096-2	6.5	ND	ND	ND	ND	ND
YAK-096-3	6.5	115	ND	ND	ND	ND
YAK-096-4	6.5	ND	ND	ND	ND	ND
3/19/91 Analysis						
YAK-096-5	6.5	ND	NT	NT	NT	NT
BF-2		ND	NT	NT	NT	NT
BF-2		ND	NT	NT	NT	NT

ND = Non Detect
TPH Method Reporting Limit is 25 mg/kg
BTEX Method Reporting Limit is 0.05 mg/kg
NT = Not Tested

4.3 Transportation and Disposal

A total volume of 50 cubic yards of petroleum contaminated, non-hazardous soil was transported by trucks to Anderson Rock & Demolition Pits, Yakima, Washington on March 20, 1991. Copies of the load receipts are shown in Appendix E.

5.0 CONCLUSION

During the excavation and removal of Yakima, Washington, Tank 1, USPCI personnel collected soil samples from under the tanks. These samples taken during tank removal indicated elevated levels of TPH up to 580 ppm at Tank 1.

An initial site assessment was conducted for Tank 1 in September 1990 during which USPCI completed two on-site soil borings. Materials encountered during the drilling were primarily sands and river gravel. Groundwater was not encountered. TPH was detected in soil samples. Very limited migration of hydrocarbons occurred in the soil beneath the Tank 1 excavation.

Due to the elevated level of TPH found in the soil at the time of the excavation of Tank 1, USPCI completed remediation by excavation of the contaminated soil. A total of 50 cubic yards of petroleum contaminated soil was removed from the excavation.

Sampling and analysis verified TPH below the site cleanup level of 100 mg/kg and no detected BTEX. No significant levels of contaminants remain in the site soil. This report represents final closure of Tank 1 at the Yakima, Washington site.

APPENDIX A

TANK REMOVAL
8/89 LABORATORY ANALYSIS RESULTS

industrial
LABORATORIES

THE INDUSTRIAL LABORATORIES COMPANY
Complete Consulting Chemistry Service
Bacteriological & Analytical Testing

1450 East 62nd Avenue
P.O. Box 16207
Denver, Colorado 80216
(303) 287-9691 FAX (303) 287-0964

Analysis Report

USPCI, INC.
5665 FLATIRON PARKWAY
BOULDER, CO 80301
CURT G. HULL

Page: 1
Date Received: 11/15/89
Date Reported: 12/08/89
Lab Number: 1942-2
Customer P.O.: 8953450

Sample Marked: UST REMOVAL. UNION PACIFIC. YAKIMA, WA. PROJ. 89-53-450

ANALYSIS	UNITS	YAK-1.BG. 11/9/89 3:14	YAK-1.E. 11/9/89 3:14	YAK-1.M. 11/9/89 3:14	YAK-1.W. 11/9/89 3:14
TAL PETROLEUM DROCARBONS	PPM	880	160	45	580
NZENE	PPM	ND	ND	ND	ND
LUENE	PPM	ND	ND	ND	ND
L E	PPM	ND	ND	ND	ND
HYLBENZENE	PPM	ND	ND	ND	ND
TOXICITY TRACTION		-	-	-	-
AD	mg/L	ND<0.01	ND<0.01	ND<0.01	ND<0.01
ASS IDENTIFICATION IGNITABILITY		**	**	**	**

BG = Soil Pile

**NOT IGNITABLE TO 140 DEGREES F.

ND< MEANS NONE DETECTED LESS THAN.

Original Soil samples collected during tank removal in 1989

APPENDIX B

INITIAL SITE CHARACTERIZATION
4/90 LABORATORY ANALYSIS RESULTS

APPENDIX C

FINAL SITE ASSESSMENT
6/90 LABORATORY ANALYSIS RESULTS

APPENDIX D

VERIFICATION
11/90 LABORATORY ANALYSIS RESULTS

Columbia Analytical Services, Inc.

March 18, 1991

Curt Hull
U.S. Pollution Control, Inc.
5665 Flatiron Parkway
Boulder, CO 80301

Re: **UP - LUST/Project #93482-096**

Dear Curt:

Enclosed are the results of the rush soil samples submitted to our lab on March 13, 1991. Preliminary results were transmitted via facsimile on March 17, 1991. For your reference, our service request number for this work is K911322.

All analyses were performed in accordance with the laboratory's quality assurance program.

Please call if you have any questions.

Respectfully submitted,

Columbia Analytical Services, Inc.

Colin Elliott

Colin B. Elliott
Senior Project Chemist

CBE/das

1317 South 13th Avenue • P.O. Box 479 • Kelso, Washington 98626 • Telephone 206/577-7222 • Fax 206/636-1068

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	U.S. Pollution Control, Inc.	**Date Received:**	03/13/91
Submitted By:	Curt Hull	**Date Extracted:**	03/14/91
Project:	Up - LUST/#93482-096	**Date Analyzed:**	03/15/91
Sample Matrix:	Soil	**Work Order #:**	K911322

Total Recoverable Petroleum Hydrocarbons
SM Method 5520E/EPA Method 418.1
mg/Kg (ppm)
Dry Weight Basis

Sample Name	Lab Code	MRL	Result
YAK-096-1	K1322-1	25	ND
YAK-096-2	K1322-2	25	ND
YAK-096-3	K1322-3	25	115
YAK-096-4	K1322-4	25	ND
Method Blank	K1322-MB	25	ND

SM *Standard Methods for the Examination of Water and Wastewater*, 17th Ed., 1989
MRL Method Reporting Limit
ND None Detected at or above the method reporting limit

Approved by Colin Elliott Date 3/18/91

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	U.S. Pollution Control, Inc.	**Date Received:**	03/13/91
Submitted By:	Curt Hull	**Date Extracted:**	03/13/91
Project:	Up - LUST/#93482-096	**Work Order #:**	K911322
Sample Matrix:	Soil		

BTEX
EPA Methods 5030/8020
mg/Kg (ppm)
Dry Weight Basis

Sample Name:		YAK-096-1	YAK-096-2	YAK-096-3
Lab Code:		K1322-1	K1322-2	K1322-3
Date Analyzed:		03/13/91	03/13/91	03/13/91
Analytes	**MRL**			
Benzene	0.05	ND	ND	ND
Toluene	0.05	ND	ND	ND
Ethylbenzene	0.05	ND	ND	ND
Total Xylenes	0.05	ND	ND	ND

MRL Method Reporting Limit
ND None Detected at or above the method reporting limit

Approved by Chris Elliott Date 3/18/91

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COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	U.S. Pollution Control, Inc.	**Date Received:**	03/13/91
Submitted By:	Curt Hull	**Date Extracted:**	03/13/91
Project:	Up - LUST/#93482-096	**Work Order #:**	K911322
Sample Matrix:	Soil		

BTEX
EPA Methods 5030/8020
mg/Kg (ppm)
Dry Weight Basis

Sample Name:		YAK-096-4	Method Blank
Lab Code:		K1322-4	K1322-MB
Date Analyzed:		03/13/91	03/13/91
Analytes	**MRL**		
Benzene	0.05	ND	ND
Toluene	0.05	ND	ND
Ethylbenzene	0.05	ND	ND
Total Xylenes	0.05	ND	ND

MRL Method Reporting Limit
ND None Detected at or above the method reporting limit

Approved by Colin Elliott Date 3/18/91

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APPENDIX A

LABORATORY QC RESULTS

1317 South 13th Avenue • P.O. Box 479 • Kelso, Washington 98626 • Telephone 206/577-7222 • Fax 206/636-1068

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	U.S. Pollution Control, Inc.	**Date Received:**	03/13/91
Submitted By:	Curt Hull	**Date Extracted:**	03/13/91
Project:	UP - LUST/#93482-096	**Date Analyzed:**	03/13/91
Sample Matrix:	Soil	**Work Order #:**	K911322

QA/QC Report
Surrogate Recovery Summary
BTEX
EPA Methods 5030/8020

Sample Name	Lab Code	Percent Recovery 4-Bromofluorobenzene
YAK-096-1	K1322-1	70.7
YAK-096-2	K1322-2	83.5
YAK-096-3	K1322-3	100
YAK-096-4	K1322-4	91.2
Method Blank	K1322-MB	97.4
	CAS Acceptance Criteria	50-130

Approved by Chris Elliott Date 3/18/91

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SEND RESULTS TO CURT L.

U.S. POLLUTION CONTROL, INC.

RUSH K1322

5665 Flatiron Parkway
Boulder, Colorado 80301
(303) 938-5500

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
93482-096	UP LOST

SAMPLERS: *(Signature)* Andy Carl

COLUMBIA ANALYTICAL SERVICES

STAT. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	BTEX	TPH					SAMPLE #	REMARKS / LOCATION
	3/12/91	1330	✓		YAKIMA, WA	1	✓	✓					YAK-096-1	WEST BOTTOM
		1330	✓			1	✓	✓					YAK-096-2	MIDDLE BOTTOM
		1330	✓			1	✓	✓					YAK-096-3	EAST BOTTOM
		1330	✓			1	✓	✓					YAK-096-4	NORTH WALL

Relinquished by: *(Signature)*	Date/Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date/Time	Received by: *(Signature)*
Andy Carl	3/13/91 1080				
Relinquished by: *(Signature)*	Date/Time	Received by: *(Signature)*	Relinquished by: *(Signature)*	Date/Time	Received by: *(Signature)*
Relinquished by: *(Signature)*	Date/Time	Received for Laboratory by: *(Signature)*	Date/Time	Remarks	
		Lance Jandy	3/13 ONE 3/12/91 10:00am	BTEX 418.1 As Per Fran Adiar/SMO CAS.	

Distribution Original Accompanies Shipment: First Copy to Coordinator Field Files: Second Copy to Representative of Inspected Facility

Split Samples: ☐ Accepted ☐ Declined _____ Signature

Columbia Analytical Services Inc.

March 21, 1991

Curt Hull
U.S. Pollution Control
5665 Flatiron Parkway
Boulder, CO 80301

Re: **UP-Lust/Project #93482-096**

Dear Curt:

Enclosed are the results of the rush soil samples submitted to our lab on March 19, 1991. Preliminary results were transmitted via facsimile on March 20, 1991. For your reference, our service request number for this work is K911443.

All analyses were performed in accordance with the laboratory's quality assurance program.

Please call if you have any questions.

Respectfully submitted,

Columbia Analytical Services, Inc.

Colin B. Elliott
Senior Project Chemist

CBE/dms

1317 South 13th Avenue • P.O. Box 479 • Kelso, Washington 98626 • Telephone 206/577-7222 • Fax 206/636-1068

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	U.S. Pollution Control	**Date Received:**	03/19/91
Submitted By:	Curt Hull	**Date Extracted:**	03/19/91
Project:	UP-Lust/#93482-096	**Date Analyzed:**	03/20/91
Sample Matrix:	Soil	**Work Order #:**	K911443

Total Recoverable Petroleum Hydrocarbons
SM Method 5520E/EPA Method 418.1
mg/Kg (ppm)
Dry Weight Basis

Sample Name	Lab Code	MRL	Result
Bf-2	K1443-1	25	ND
Yak-096-5	K1443-2	25	ND
Bf-3	K1443-3	25	ND
Method Blank	K1443-MB	25	ND

SM *Standard Methods for the Examination of Water and Wastewater*, 17th Ed., 1989
MRL Method Reporting Limit
ND None Detected at or above the method reporting limit

Approved by Colin Elliott Date 3/22/91

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K 1443

SEND RESULTS TO CURT HULL

RUSH

U.S. POLLUTION CONTROL, INC.

5665 Flatiron Parkway
Boulder, Colorado 80301
(303) 938-5500

CHAIN OF CUSTODY RECORD

PROJ. NO.	PROJECT NAME
93482-096	UP-LOST 1

SAMPLERS: (Signature) Andy Carl

COLUMBIA ANALYTICAL SERVICES

STAT. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	TPH	SAMPLE #	LOCATION	REMARKS
	3/18/91	1280		✓	YAKIMA, WA	1	✓	Bf-2	Backfill	
	3/18/91	1230		✓		1	✓	YAK-096-5	WEST BOTTOM	
	3/18/91	1330		✓		1	✓	Bf-3	Backfill	

ROW - YAK-096-5 1ST
Bf-2 2ND
Bf-3 3RD
Thanks

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Andy Carl	3/19/91 1030				
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	
		Lance Jahn	3/19/91		

Distribution Original Accompanies Shipment: First Copy to Coordinator Field Files: Second Copy to Representative of Inspected Facility

Split Samples:
☐ Accepted ☐ Declined
Signature

APPENDIX E

SOIL DISPOSAL RECEIPTS

ANDERSON
Rock & Demolition Pits
Petroleum Contaminated Soils Site

3/20/91

41 Rocky Top Road
Yakima, WA 98908
Bus. (509) 965-3621
Res. (509) 697-7575

Invoice № 1121

Please pay from invoice.
No statement will be issued unless requested.

Terms: Net10 Days - 1 1/2 % per month on balance 30 days past due from date of invoice. $1.00 minimum.

CURT-
FYI

TO: USPCI
8250 SO. AKON SUITE 203
ENGLEWOOD, CO.

JOB: 2ND & PINE
JOB 93482-096

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
* 40	YDS. PCS.	22 00	880 00
1	TEST	250 00	250 00
5 HRS.	TRUCK RENTAL	60 00	300 00
	SUB TOTAL		1430 00
	TAX		111 54
	P.O. # 117938		
	TOTAL		1541 54
	PAY FROM INVOICE		

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Thank You!

Invoice № 1124

ANDERSON
Rock & Demolition Pits
Petroleum Contaminated Soils Site

41 Rocky Top Road
Yakima, WA 98908
Bus. (509) 965-3621
Res. (509) 697-7575

Please pay from invoice.
No statement will be issued unless requested.

Terms: Net10 Days - 1 1/2 % per month on balance 30 days past due from date of invoice. $1.00 minimum.

096

TO: USPCI
8250 SO. AKON SUITE 203
ENGLEWOOD, CO.

3-20-91
POH 117939

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
* 10 YD LOAD	PCS	22 00	220 00
40 YDS.	BACKFILL	4 50	180 00
1 LOAD	5/8 MINUS		47 28
4 HRS.	TRUCK RENTAL	60 00	240 00
	SUB TOTAL		687 28
	TAX		53 61
	TOTAL		740 89
	PAY FROM THIS INVOICE		

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Thank You!

11.76

* DISPOSAL

EXHIBIT 1

93482-70

SITE 096

ANDERSON
Rock & Demolition Pits
Petroleum Contaminated Soils Site

41 Rocky Top Road
Yakima, WA 98908
Bus. (509) 965-3621
Res. (509) 697-7575

Invoice

No. 11121

Please pay from invoice.
No statement will be issued unless requested.

Terms: Net10 Days - 1 1/2 % per month on balance 30 days past due from date of invoice. $1.00 minimum.

TO: USPCI
8250 SO. AKRON SUITE 203
ENGLEWOOD, CO.

JOB: 2ND & PINE
JOB 93482-096

096

QUANTITY	DESCRIPTION	UNIT PRICE	TOTAL
*40	YDS. PCS.	22 00	880 00
1	TEST	250 00	250 00
5	HRS. TRUCK RENTAL	60 00	300 00
	SUB TOTAL		1430 00
	TAX		111 54
	P.O. # 17938		
	TOTAL		1541 54
	PAY FROM INVOICE		

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Thank You!

DISPOSAL