

November 20, 1995

RECEIVED
NOWICKI & ASSOCIATES NOV 27 1995
DEPT. OF ECOLOGY
ENERGY & ENVIRONMENTAL MANAGEMENT

Mr. Ron Witzel, Director of Construction
Q Lube
1385 West 2200 South
Salt Lake City, Utah 84119

RE: Lynnwood Q Lube, Site ID #006802
6808 - 196th Street SW, Lynnwood
Waste Oil UST - Characterization Soil Boring

Dear Mr. Witzel:

Laboratory results of the soil borings at the above site indicate gasoline soil contamination just below the asphalt down to approximately 15' below grade. Soil boring was conducted on November 6 with SB1 located about 5' north of the building and SB2 directly 15' north of SB1 (See attached Figure 1).

At SB1, soil collected at 12-1/2' below grade was detected with gasoline at 4,100 ppm; benzene at 18 ppm; toluene at 150 ppm; ethylbenzene at 57 ppm; and xylenes at 280 ppm. All constituents were above MTCA Method A levels. Soil collected at 16' below grade was non-detect of the analyzed parameters.

At SB2, impacted soil was noted also just below the asphalt. The sample collected at 15' below grade was detected with gasoline at 640 ppm. Benzene and xylenes were also detected at 2.4 ppm and 33 ppm, respectively. Laboratory report is attached.

Washington State MTCA Method A clean-up levels are:

Gasoline = 100 ppm Benzene = 0.5 ppm Toluene = 40 ppm
Ethylbenzene = 20 ppm Xylenes = 20 ppm

Based on field findings and laboratory results, impacted soils encountered at the two boring locations did not appear to originate from the closed-in-place UST. In addition, the extents of gasoline soil contamination were not fully characterized by the limited boring. Thus, we recommend that further site characterization be conducted with additional exploratory soil borings surrounding SB1 and SB2, including the area south of the building.

Please give me a call if you have any questions.

Sincerely,



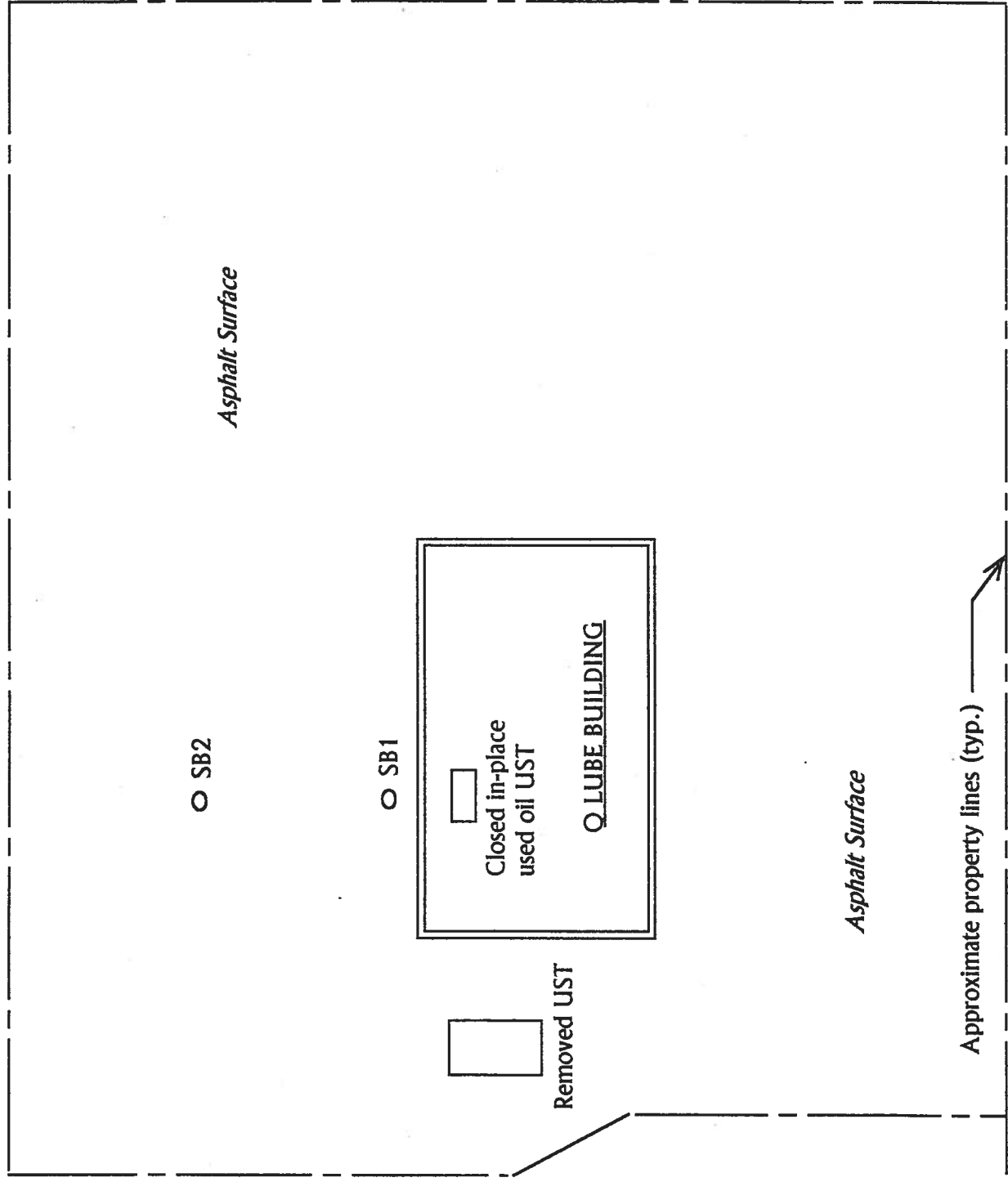
Michael Q. Lam
Environmental Engineer
cc/enc: Joe Hickey, Washington State Ecology - NW Regional

DEPARTMENT OF ECOLOGY		
NWRO/TCP TANKS UNIT		
INTERIM CLEANUP REPORT		<input checked="" type="checkbox"/>
SITE CHARACTERIZATION		<input type="checkbox"/>
FINAL CLEANUP REPORT		<input type="checkbox"/>
OTHER _____		<input type="checkbox"/>
AFFECTED MEDIA: SOIL		<input checked="" type="checkbox"/>
OTHER _____ GW		<input type="checkbox"/>
INSPECTOR (INIT.) <i>JL</i>	DATE <i>12-5-95</i>	

33516 9th Avenue South
Building #6
Federal Way, Washington 98003
Phone: (206) 927-5233
FAX: (206) 924-0323

196 TH S.W.

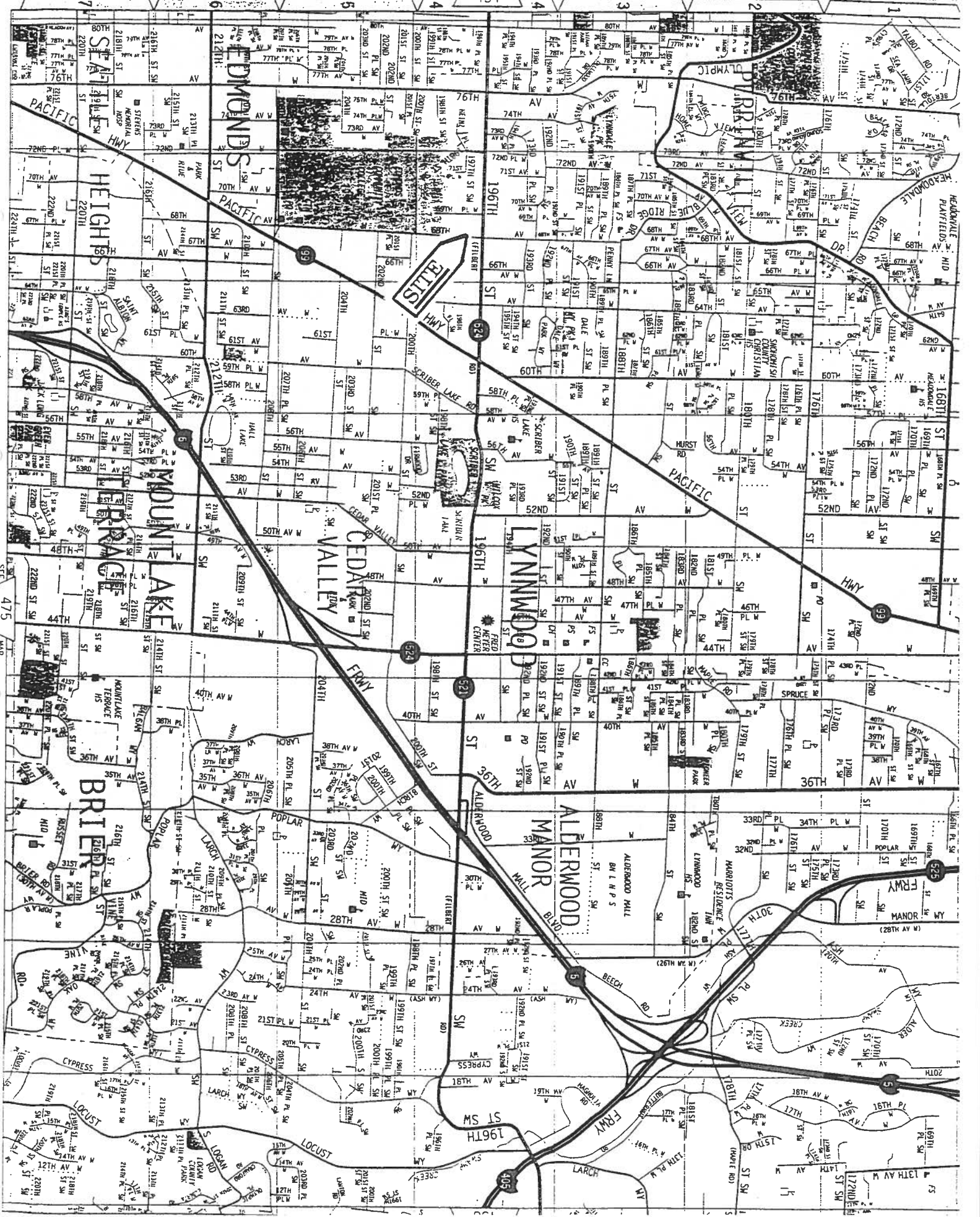
68 TH Ave W.



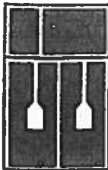
Approximate property lines (typ.)

Note: ○ ... Soil boring locations

Figure 1. Soil Boring - Lynnwood Q Lube
NAI | 1" = 20' | 11-20-95



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CCI Analytical Laboratories, Inc.
 3229 Pine
 Everett, WA 98201
 Phone (206) 258-4548
 (206) 292-9059 Seattle
 (206) 259-6289 FAX

Chain of Custody / Laboratory Analysis Request

Date 11/6/95 Page 1 of 1

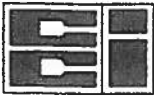
ANALYSIS REQUESTED		OTHER (Specify)		NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
<input type="checkbox"/> WTPH-G	<input type="checkbox"/> WTPH-D <input type="checkbox"/> 8015 MODIFIED	<input type="checkbox"/> WPTH-418.1	<input type="checkbox"/> BTEX	<input type="checkbox"/> WTPH-HCID	<input type="checkbox"/> EPA 8020 <input type="checkbox"/> 602
<input type="checkbox"/> WTPH-D	<input type="checkbox"/> 8015 MODIFIED	<input type="checkbox"/> WPTH-418.1	<input type="checkbox"/> BTEX	<input type="checkbox"/> WTPH-HCID	<input type="checkbox"/> EPA 8010 <input type="checkbox"/> 601
<input type="checkbox"/> EPA 8240	<input type="checkbox"/> 624 <input type="checkbox"/> 8250	<input type="checkbox"/> EPA 8270	<input type="checkbox"/> 625	<input type="checkbox"/> EPA 8080	<input type="checkbox"/> PCB only <input type="checkbox"/> Pest only
<input type="checkbox"/> Metals Priority Pollutant	<input type="checkbox"/> RCRA <input type="checkbox"/> TAL	<input type="checkbox"/> Metals Other (Specify)	<input type="checkbox"/> TCLP Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herb	OTHER (Specify)	

PROJECT Northgate Area Inc #
 PROJECT MANAGER Michael Jan PH# 927-5233
 REPORT/INVOICE MAILING ADDRESS 33516 9th Ave S
Bldg 6
Fed Way, WA 98003
 SAMPLER'S NAME ML PH# _____

SAMPLE I.D.	DATE	TIME	TYPE	LAB #
1. SB1-12 1/2'	11/6/95		Soil	
2. SB1-16'	"		"	
3. SB2-15'	"		"	
4.				
5.				
6.				
7.				
8.				
9.				
10.				

SPECIAL INSTRUCTIONS analysis of # 2 of # 3 will depend on results of # 1 HCTD
Please hold off on 2 of 3.

POSSIBLE SAMPLE HAZARDS _____
 SIGNATURES (Name, Company, Date, and Time):
 1. Relinquished By: Michael Jan 11/6/95 1:30 PM
 Received By: Paul Bagn CC TEL 11/6/95 2:55
 2. Relinquished By: _____
 Received By: _____
 3. Relinquished By: _____
 Received By: _____
 4. Relinquished By: _____
 Received By: _____



CERTIFICATE OF ANALYSIS

CLIENT: NOWICKI AND ASSOCIATES
33516 9TH AVE S, BLDG #6
FEDERAL WAY, WA 98003

DATE: 11/17/95
CCIL JOB #: 511026
CCIL SAMPLE #: 1
DATE RECEIVED: 11/7/95
WDOE ACCREDITATION #: C142

CLIENT CONTACT: MICHAEL LAM

CLIENT PROJECT ID: NOWICKI AND ASSOC.
CLIENT SAMPLE ID: SB1-12.5' 11/6/95

DATA RESULTS

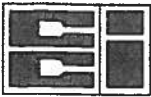
ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
HCID-GAS RANGE	WTPH-HCID	>20	MG/KG GAS		11/11/95	ERM
HCID-DIESEL RANGE	WTPH-HCID	ND(<50)	MG/KG DSL		11/11/95	ERM
HCID-OIL RANGE	WTPH-HCID	ND(<100)	MG/KG OIL		11/11/95	ERM
TPH-GASOLINE	WTPH-G	4100	MG/KG	100MG/KG	11/15/95	KLP
BENZENE	EPA-8020	18	MG/KG	.5MG/KG	11/15/95	KLP
TOLUENE	EPA-8020	150	MG/KG	40MG/KG	11/15/95	KLP
ETHYLBENZENE	EPA-8020	57	MG/KG	20MG/KG	11/15/95	KLP
XYLENES	EPA-8020	280	MG/KG	20MG/KG	11/15/95	KLP

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

*** ACTIONS LEVELS ARE PROVIDED ONLY WHEN PARAMETER DATA IS USED FOR A GENERALLY CONSISTENT APPLICATION. WHEN PROVIDED, THEY SHOULD BE USED AS GUIDELINES ONLY. THE APPROPRIATE REGULATORY DOCUMENT SHOULD BE CONSULTED BEFORE MAKING ANY DECISIONS BASED ON ANALYTICAL DATA

APPROVED BY: 



CERTIFICATE OF ANALYSIS

CLIENT: NOWICKI AND ASSOCIATES
33516 9TH AVE S, BLDG #6
FEDERAL WAY, WA 98003

DATE: 11/17/95
CCIL JOB #: 511026
CCIL SAMPLE #: 2
DATE RECEIVED: 11/7/95
WDOE ACCREDITATION #: C142

CLIENT CONTACT: MICHAEL LAM

CLIENT PROJECT ID: NOWICKI AND ASSOC.
CLIENT SAMPLE ID: SB1-16' 11/6/95

DATA RESULTS

ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	WTPH-G	ND(<5)	MG/KG	100MG/KG	11/15/95	KLP
BENZENE	EPA-8020	ND(<0.1)	MG/KG	.5MG/KG	11/15/95	KLP
TOLUENE	EPA-8020	ND(<0.1)	MG/KG	40MG/KG	11/15/95	KLP
ETHYLBENZENE	EPA-8020	ND(<0.1)	MG/KG	20MG/KG	11/15/95	KLP
XYLENES	EPA-8020	ND(<0.3)	MG/KG	20MG/KG	11/15/95	KLP

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

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APPROVED BY: 

CERTIFICATE OF ANALYSIS

CLIENT: NOWICKI AND ASSOCIATES
33516 9TH AVE S, BLDG #6
FEDERAL WAY, WA 98003

DATE: 11/17/95
CCIL JOB #: 511026
CCIL SAMPLE #: 3
DATE RECEIVED: 11/7/95
WDOE ACCREDITATION #: C142

CLIENT CONTACT: MICHAEL LAM

CLIENT PROJECT ID: NOWICKI AND ASSOC.
CLIENT SAMPLE ID: SB2 15' 11/6/95

DATA RESULTS

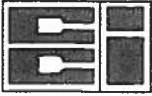
ANALYTE	METHOD	RESULTS*	UNITS**	ACTION LEVEL***	ANALYSIS DATE	ANALYSIS BY
TPH-GASOLINE	WTPH-G	640	MG/KG	100MG/KG	11/15/95	KLP
BENZENE	EPA-8020	2.4	MG/KG	.5MG/KG	11/15/95	KLP
TOLUENE	EPA-8020	15	MG/KG	40MG/KG	11/15/95	KLP
ETHYLBENZENE	EPA-8020	7	MG/KG	20MG/KG	11/15/95	KLP
XYLENES	EPA-8020	33	MG/KG	20MG/KG	11/15/95	KLP

* "ND" INDICATES ANALYTE NOT DETECTED AT LEVEL ABOVE REPORTING LIMIT. REPORTING LIMIT IS GIVEN IN PARENTHESES

** UNITS FOR ALL NON LIQUID SAMPLES ARE REPORTED ON A DRY WEIGHT BASIS

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APPROVED BY: CPA



CCI
ANALYTICAL
LABORATORIES, INC.

CERTIFICATE OF ANALYSIS

CLIENT: NOWICKI AND ASSOCIATES
33516 9TH AVE S, BLDG #6
FEDERAL WAY, WA 98003

DATE: 11/13/95
CCIL JOB #: 511026

DATE RECEIVED: 11/7/95
WDOE ACCREDITATION #: C142

CLIENT CONTACT: MICHAEL LAM


CLIENT PROJECT ID: NOWICKI AND ASSOC.

QUALITY CONTROL RESULTS

SURROGATE RECOVERY

CCIL SAMPLE ID	ANALYTE	SUR ID	% RECV
511026-01	WTPH-HCID	BCB	.
511026-01	WTPH-HCID	C25	86
511026-01 (4 TO 1)	WTPH-HCID	C25	103
511026-01	WTPH-G	TFT	.
511026-01	EPA-8020	TFT	.
511026-02	WTPH-G	TFT	118
511026-02	EPA-8020	TFT	86
511026-03	WTPH-G	TFT	.
511026-03	EPA-8020	TFT	.

* SURROGATE MASKED BY MATRIX

APPROVED BY:  _____