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1/2

Cayuse Environmental
60 Olden Way
Toppenish, WA. 98948
(509) 865-5086

November 26, 1994

Frank Paganelli
261 Douglas Lane
Wapato, WA 98951

Re: Removal of two gasoline storage tanks and one used oil tank located at the corner of 1st. Ave. and Mead in Yakima, WA.

Dear Frank:

Enclosed please find a copy of the closure site assessment report as required by the Washington State Department of Ecology (WSDOE).

We have also sent two more copies of this report which needs to be sent to WSDOE in Yakima and Olympia.

The work at this site involved the removal of three underground storage tanks, two 500 gallon gasoline tanks, and one 1000 gallon storage tank. There was also two dry wells on the site which were removed. Approximately 700 tons of contaminated soil, which was disposed of at Rabanco Landfill located at Roselvett, WA.

Based on the data and findings reported herein, we have removed all contaminated soil, which could be removed.

WSDOE recommends you keep this report for ten years. We recommend you keep it indefinitely.

We appreciate the opportunity to provide you with technical assistance for your UST closure and petroleum contaminated soil cleanup. Please do not hesitate to call if you have any questions or need additional information. Our number is (509) 865-5086.

Sincerely,

CAYUSE ENVIRONMENTAL

Bryan Mull
Project Manager

EXECUTIVE SUMMARY

Cayuse Environmental (CE) provided the closure site assessment required for the removal of two 500 gallon gasoline underground storage tanks and one 1000 use oil tank. Also the removal of two dry wells, which were located in the parking lot.

Lewis Construction of Union Gap Washington provided excavation and back filling. They also provided transportation of approximately 700 tons of petroleum contaminated soil from Yakima to Rabanco Landfill, located in Roselvelt, WA.

After the tanks were uncovered, CE provided tank cleaning service and disposal of the tanks after they were removed from the ground. After the tanks were removed from the ground, the outside of the tanks were cleaned of scale to look for holes. All tanks looked sound. Although petroleum contamination was found around the waste oil tanks it appeared to come from over filling of the tanks and from bad house keeping practices.

The dry wells were installed over 20 years ago. The line which came from the 2nd dry well to the storm drain was plugged off with petroleum contamination, which occurred from steam cleaning of cars and engines, before they went into the paint shop.

After soil samples were taken and analyzed at Spectra Labs of Tacoma, WA. contaminated soil from the tanks and dry wells were removed. When field test showed site to be clean another set of samples were ran from all excavations. All samples came back clean with the exception of one area underneath the paint shop. No more soil could be excavated because of the safety of the Building.

Because the ground water was never encountered we recommend that some kind of air vent system be put in to try and clean up the soil under the building.

1.0 INTRODUCTION

1.1 Purpose

This report describes findings and actions taken for work associated with the removal of the three underground storage tanks. The cleaning up of petroleum contaminated soil from the waste oil tank and the two dry wells which were located at the corner of 1st. Ave. and Mead in Yakima, WA.

The work and investigation responds to regulatory requirements set forth by the United States Environmental Protection Agency (EPA) and the Washington State Department of Ecology. (WSDOE)

1.2 Scope of Work

This report completes the closure site assessment service provided by Cayuse Environmental. (CE) For the closure of three underground storage tanks and the cleanup of contaminated soil from one tank and two dry wells.

2.0 BACKGROUND INFORMATION

2.1 Site Location

The site is located at the corner if 1st Ave. and Mead on Yakima, WA. In the SE 1/4 of NE 1/4 of section 31 township 13 N Range 19 E, Willamette Meridian.(See site map on next page)

2.2 Site description and History

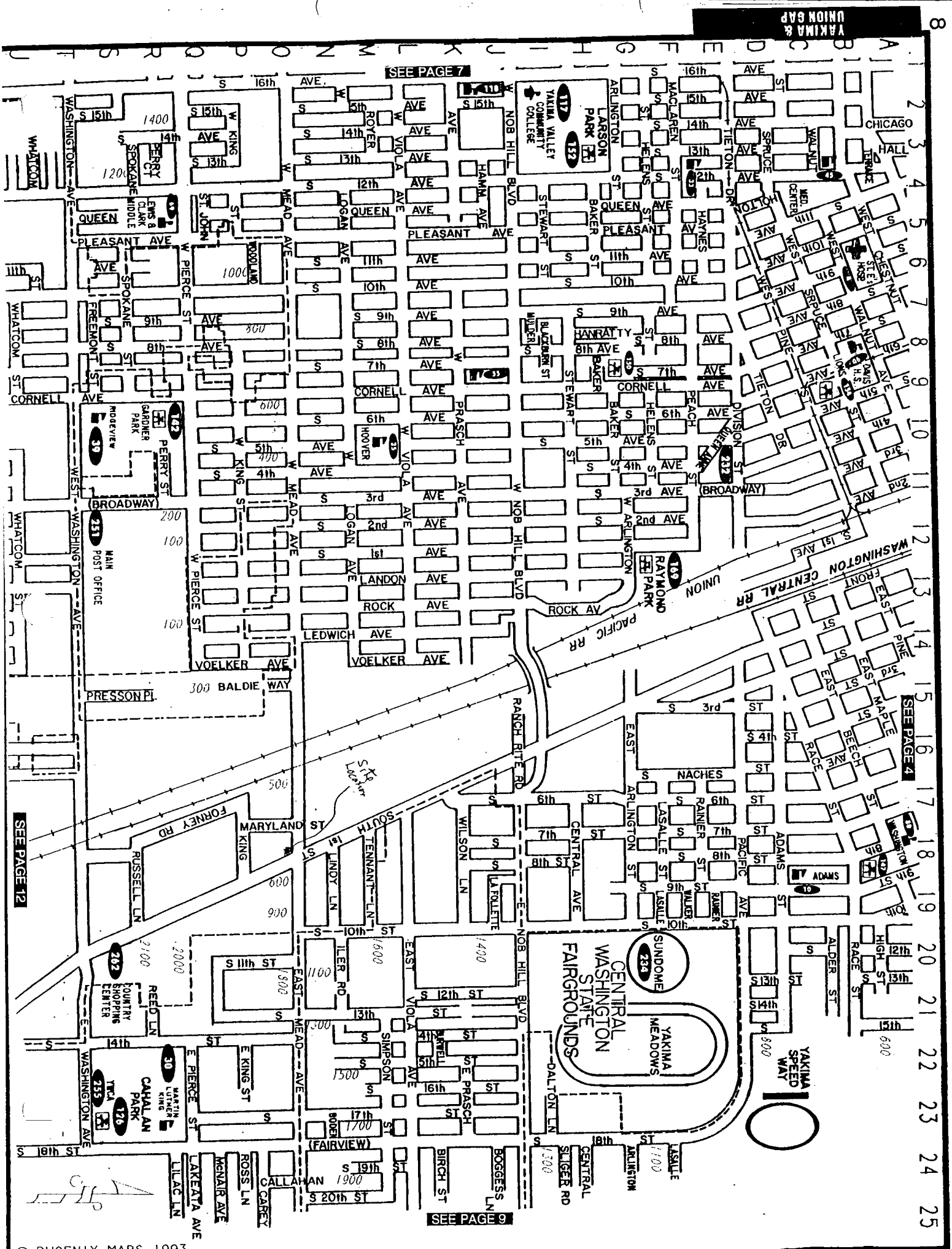
The site has been owned by several different people over the past 20 years. It is know as a transmission shop, glass shop, and paint shop. The contamination around the waste oil tanks and the dry wells started a long time age. The dry wells were installed over 20 years ago and the age of the tank is unknown.

2.3 Soils Description

The soil was a mixture of clay with sandy loam to a depth of four feet. Then a mixture of sandy loam and river gravel up to four inches in diameter.

2.4 Ground Water

No ground water was encountered during the excavation.



3.0 FIELD ACTIVITIES

3.1 General Investigative Methods

The three tanks were excavated, cleaned, and removed from the ground. Soil samples were taken from the sides and bottoms of all three tanks. Soil samples were also taken from the bottoms of the dry wells. The samples from the two gasoline tanks came back clean. The samples from the waste oil tank showed petroleum contamination. Also contamination was found under both dry wells.

3.2 Tank Cleaning and Inspection

Cayuse Environmental provided tank cleaning for all three tanks. After the outside of the tanks were cleaned. No holes were found that tanks were rendered inert. They were cut open and the product was cleaned out from inside of the tanks. After the tanks were cleaned they were transported to Douglas Scrap Yard of Wapato, WA. to be cut up for scrap metal.

3.3 Excavation of Petroleum Contaminated Soil

Tanks were excavated in September of 1994. After the lab analysis was run and showed petroleum contaminated soil around the 1000 gallon waste oil tank and the two dry wells. Soil was profiled for disposal at Rabanco Landfill in Rosevelt, WA. Rabanco was able to dispose of the soil because tests showed only petroleum contaminated soil. No metals or solvents were found. Approximately 700 tons of soil were excavated and transported by Lewis Construction of Union Gap, WA.

3.4 Soil Samples

A soil sample location map shows the location and quantity of samples taken. In general, samples, collection and control followed the following protocol:

1. Select a laboratory certified clean sample jar for sample collection.

2. Using clean latex gloves and clean sampling utensils (tri-soduim-phosphate, chlorine solution, tap water rinse and distilled water rinse cycle.) Tightly pack the soil samples in the sample jar (4 oz.) to the top of the jar to prevent any air space.

3. Label the jar with soil sample number, the type of laboratory test required, the date, name of site and sampler. The sample is then entered on the Chain of Custody form.

4. Cool the sample in wet ice to approximately 4 degrees centigrade.

5. Repack the samples for shipment to the laboratory in blue ice and a cooler.

6. Relinquish samples to courier for shipment to the laboratory.

4.0 INVESTIGATIVE RESULTS

4.1 Final Soil Samples

After the petroleum contaminated soil was removed from under the waste oil tank and from under the two dry wells, there was only one spot that still has petroleum contamination. The area underneath the paint shop can not be excavated because of the safety of the building.

There is a site sample map in the back of this report, which shows sample locations.

5.0 CONCLUSION RESULTS

5.1 Conclusion

Our investigation after the removal of the contaminated soil found only one area under the building which still has petroleum contamination. It can't be removed with the use of an excavator. The area around the waste oil tank and the other dry wells has been cleaned up.

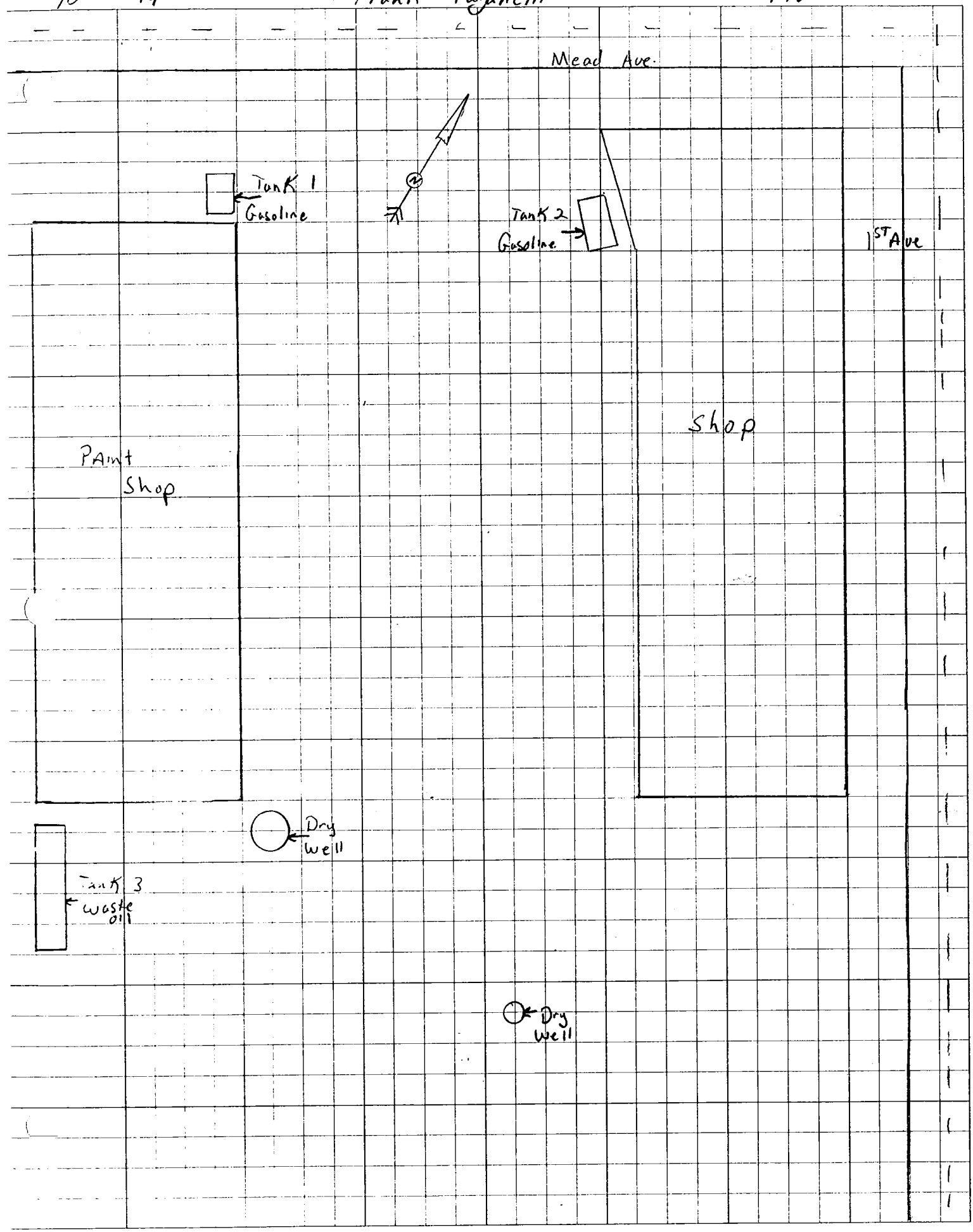
5.2 Recommendation

It is our recommendation that some form of air vent system be put in place underneath of the building so that the last of the petroleum contamination can be removed from the soil. Please give us a call for further discussion about this problem.

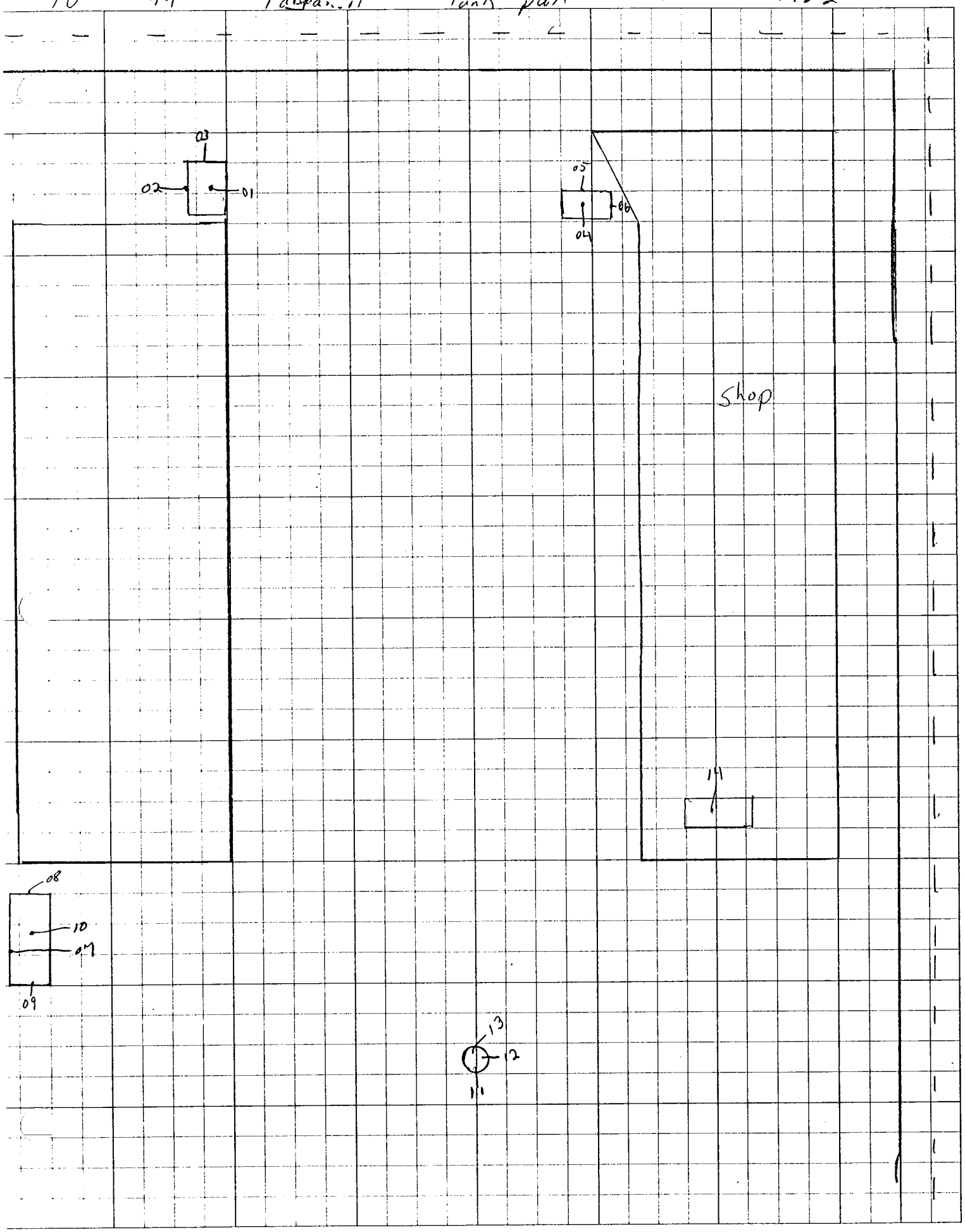
6.0 LIMITATIONS

In performing our professional services, CE uses a degree of care ordinarily exercised under similar circumstances by members of our profession. No warranty, expressed or implied, is made or intended. Our conclusions and recommendations developed from our field and laboratory investigation reported herein are based upon this firm's understanding of the project and are in concurrence with generally accepted practice.

10- -94 Frank Paganelli 9422



10 94 Pacpa...ii Tank pull 9422



10-2-94 Paganelli Tank Pull 9422

Samples	Location	Depth	matrix	odor	TLC	Headspace
9422-01	Bottom Tank 1	5'	Soil	ND		
9422-02	West Wall Tank 1	4'	Soil	ND		
9422-03	North Wall Tank 1	4'	Soil	ND		
9422-04	Bottom Tank 2	5'	Soil	ND		
9422-05	North Wall Tank 2	4'	Soil	ND		
9422-06	East Wall Tank 2	4'	Soil	ND		
9422-07	West Wall Tank 3	6'	Soil	ND		
9422-08	North Wall Tank 3	6'	Soil	ND		
9422-09	South Wall Tank 3	6'	Soil	ND		
9422-10	Bottom Tank 3	7.5'	Soil	ND		
9422-11	Bottom of Drywell 2	4'	Soil	ND		
9422-12	Inside Drywell 2	Surface	Soil	ND		
9422-13	Liquid From Drywell 2	Surface	Water	ND		

UNDERGR(ND STORAGE TANK
Site Check/Site Assessment Checklist

NR

The purpose of this form is to certify the proper investigation of an UST site for the presence of a release. These activities shall be conducted in accordance with Chapter 173.360 WAC. A description of the various situations requiring a site check or site assessment is provided in the guidance document for UST site checks and site assessments.

This Site Check/Site Assessment Checklist shall be completed and signed by a person registered with the Department of Ecology to perform site assessments.

Two copies of the results of the site check or site assessment should be included with this checklist according to the reporting requirements in the guidance document for UST site checks and site assessments.

For further information about completing this form, please contact the Department of Ecology UST Program.

The completed checklist should be mailed to the following address:

RECEIVED
JAN 03 1995
ECOLOGY

Underground Storage Tank Section
Department of Ecology
Mail Stop PV-11
Olympia, WA 98504-8711

1. UST SYSTEM OWNER AND LOCATION

UST Owner/Operator: Frank Paganelli

Owners Address: 261 Douglas lane (Street)

Wapato (City) WA. (State) 98951 (P.O. Box / ZIP-Code)

Telephone: ( )

Site ID Number (on invoice or available from Ecology if tank is registered):

Site/Business Name: Tidric Quality Transmission

Site Address: 1802 ~~605~~ S. 1st ST (Street) Yakima (County)

Yakima (City) WA. (State) 98901 (ZIP-Code)

2. SITE CHECK/SITE ASSESSMENT CONDUCTED BY:

Registered Person: Bryan Mull

Address: 60 Olden Way (Street)

Toppenish (City) WA. (State) 98948 (P.O. Box / ZIP-Code)

Telephone: (509) 865-5086

3. TANK INFORMATION

1. Tank ID Number (as registered with Ecology): _____
2. Year installed: unknown
3. Tank capacity in gallons: 500 ~~500~~ 1000
4. Last substance stored: Gasoline, Gasoline, Waste oil

4. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT

Check one:

_____ Investigate suspected release due to on-site environmental contamination

_____ Investigate suspected release due to off-site environmental contamination

_____ Extend temporary closure of UST system for more than 12 months

_____ UST system undergoing change-in-service

_____ UST system permanently closed-in-place

__X__ UST system permanently closed with tank removed

_____ Required by Ecology or delegated agency for UST system closed before December 22, 1988

_____ Other (describe): _____

RECEIVED
ECOLOGY

5. CHECKLIST

Each item of the following checklist shall be initialed by the person registered with the Department of Ecology whose signature appears below.

	Yes	No
1. Has the site check/site assessment been conducted according to applicable procedures specified in the UST site check/site assessment guidance issued by the Department of Ecology?	X	
2. Has a release from the UST system been confirmed? *NOTE: Owners/operators must report all confirmed releases to the Department of Ecology or delegated agency within 24 hours.*	X	
3. Are the results of the site check/site assessment enclosed with this checklist? *NOTE: Two copies of the site check/site assessment results must be submitted to the Department of Ecology according to the reporting requirements specified in the UST site check/site assessment guidance.*	X	

I hereby certify that I have been in responsible charge of performing the site check/site assessment described above. Persons submitting false information are subject to penalties under Chapter 173.360 WAC.

11-28-94
Date

[signature]
Signature of Person Registered with Ecology

6. OWNER'S SIGNATURE

_____
Date

_____
Signature of Tank Owner or Authorized Representative

Independent Remedial Action Report Summary

This report summary is an important part of the Independent Remedial Action Report. Please complete the summary and submit it with your Independent Remedial Action Report. If this document does not accompany your cleanup report, or if it is not fully completed, your report cannot enter the review process necessary for Ecology to provide you with a "no further action" determination, or to remove your site from the hazardous sites lists.

FOR ECOLOGY USE ONLY			
ERTS No.	TCP I.D. No.	Date Received	☐ NFA ☐ SHA Referral ☐ Interim Action ☐ Emergency Action
LUST No.	U.B.I. No.	Initial Investigation (Date)	
Reviewed by			

PLEASE PRINT CLEARLY OR TYPE

GENERAL INFORMATION

Name of Site Owner: Frank Paganelli	Phone: 509- 452- 2589
Address: Street 261 Douglas Lane unpaved State/Province WA Zip 98951 Country Yakima	
Authorized Contact: Frank Paganelli	Phone: 509- 452-2589
Name of Facility Operator: Tidric Quality Transmission	Phone: 509- 248-0474
Address: Street ~~605~~ 1802 S 1st. St Yakima State WA Zip 98901	
Authorized Contact: Brad Tidric	Phone: 509-248-0474
Name of Consultant: Bryan Mull	Phone: 509-865-5086
Name of Firm: Cayuse Environmental	
Address: Street 60 Olden Way Toppenish State WA Zip 98948	

Please indicate which of the above persons completed this report. If the report was completed by someone other than listed above, please provide their name, address, and a daytime phone.

Bryan Mull

REPORT INFORMATION

Type of Report (*check one*)

- ☐ Combined release and independent remedial action report
- ☐ Independent remedial action report
- ☐ Interim Action Report
- ☒ Final Cleanup Action Report

Is this a Leaking Underground Storage Tank (LUST) report? Yes ☒ No ☐

Date release was reported to Ecology: Oct - 94

Date cleanup was completed: Nov -94

FACILITY INFORMATION

Site Name
Trdrc Quality Transmission

Other Names (*the site may be known as*)

Site Contact Person If Other Than Owner/Operator (*This must be a person who is on-site during normal working hours and is authorized and qualified to answer questions about the site, or a person who is available during normal business hours and has knowledge about the site and the remediation.*)
Name Brad Trdrc Phone

Site Mailing Address (*or site contact mailing address*)
241 Douglas Lane Wapato WA 98951

Site Location Address (*including zip code*)

Closest City
Yakima

County (*where site is located*)
Yakima

Township 13N Range 19E Section 31 Quarter-Quarter SE¼ / NE¼ Meridian W W

Longitude: Degree Minute Second
Latitude: Degree Minute Second

Ownership and Operator Type Complete the table below by checking the appropriate box to identify the type of owner and operator for the facility. (*For example, if the property owner is a port district and the operator a private individual, then check the boxes under owner identification column in the municipal, code #2 row, and under the operator identification column in the private party, code #1 row.*)

Ownership/OperatorType	Code #	Owner Identification	Operator Identification
Private Party	1	X	
Municipal (Public)	2		
County	3		
Federal	4		
State	5		
Tribal	6		
Mixed	7		
Other	8		
Unknown	9		
Public Entity Acquisition through Bankruptcy	10		
Financial Institution Acquisition through Bankruptcy	11		

Standard Industrial Classification (SIC) Codes. List all that apply. If none apply, or if you don't know your SIC code, list activities conducted at the site, e.g., automotive repair and maintenance, construction equipment storage, etc.

Hazardous Substance Management Practice(s). The hazardous substance(s) cleaned up from the site was the result of which of the following sources, activities, or actions? Please circle all that apply to the facility.

1 = Drug Lab
2 = Drum
3 = A Leaking Impoundment
4 = Improper Handling
5 = Landfill
6 = Land application
7 = Pesticide application
8 = Pesticide Disposal
9 = A Spill
10 = Storm Drain
(11) = Leaking Tank: (a) - below ground; b - above ground
12 = Unknown

RELEASE INFORMATION

Date of Release *(If known)*	Date of Discovery	Are there any drinking water systems affected?
	10-94	Yes ☐ No ☒ Unknown ☐

If drinking water systems are affected, are the systems **public, private, or both**? *(circle one)*	If drinking water systems are affected, has alternate drinking water been provided? Yes ☐ No ☐ Unknown ☐

General Hazardous Substance Categories Using the contaminants listed below, complete the table.
(A more detailed description of the contaminants can be found in Appendix A of the guidance.)

	Contaminants. For each of the applicable contaminants, enter the appropriate letter designating the status of the contaminants: **C = Confirmed or S = Suspected** *(Contaminant status definitions are defined in Appendix A of the guidance.)*	**Affected Media**				
		Ground Water	Surface Water	Drinking Water	Soil	Air
1.	Halogenated Organic Compounds					
2.	Metals - Priority Pollutants					
3.	Metals - Other					
4.	Polychlorinated Bi-Phenyls (PCBs)					
5.	Pesticides/Herbicides					
6. Petroleum Products	Unleaded Gas					
	Leaded Gas					
	Diesel					
	Waste Oil					
	Heat Fuel					
	Other (Specify)					
7.	Phenolic Compounds					
8.	Non-Halogenated Solvents					
9.	Dioxins					
10.	Polynuclear Aromatic Hydrocarbons (PAHs)					
11.	Reactive Wastes					
12.	Corrosive Wastes					
13.	Radioactive Wastes					
14.	Conventional Contaminants Organics					
15	Conventional Contaminants Inorganics					
16.	Base/Neutral Organic Compounds					
17.	Asbestos					

CLEANUP INFORMATION

Indicate cleanup level methods used by completing Table 5-A below. *(Check all that apply)*

TABLE 5-A

	Soil	Ground Water	Air	Surface Water
Method A	A			
B				
C				
Have these levels been met throughout the site? *(circle only one)*	YES NO	YES NO	YES NO	YES NO

CLEANUP INFORMATION (continued)

Indicate the treatment methods used by completing Tables 5-B through 5-D below. *(Check all that apply)*

TABLE 5-B

	Destruction or Detoxification				Media Transfer		
	Carbon Adsorption[1]	Biological Treatment	Chemical Destruction	Incineration	Air Stripping/ Air Sparging	Aeration/Vapor Extraction	Thermal Desorption
Soil	-NA-				-NA-		
Ground Water				-NA-		-NA-	-NA-
Surface Water				-NA-		-NA-	-NA-
Air		-NA-				-NA-	
Wastes	-NA-				-NA-	-NA-	-NA-

[1]Carbon followed by regeneration; use of granular activated carbon followed by landfilling would be classified in these tables as volume reduction and off-site landfill.

TABLE 5-C

	Immobilization		Reuse/Recycling[2]	Separation/Volume Reduction		
	Vitrification	Solidification/ Stabilization	Specify	Solvent Extraction	Soil Washing	Physical Separation[3]
Soil						
Ground Water	-NA-	-NA-		-NA-	-NA-	
Surface Water	-NA-	-NA-		-NA-	-NA-	
Wastes						

[2]For example, reuse of free petroleum product recovered in a pump and treat system.
[3]For example, oil/water separators.

TABLE 5-D

	Land Disposal/Containment		Institutional Controls	Others
	Containment or On-site Landfill	Off-site Landfill	Specify	Specify treatment method
Soil		X		
Ground Water		-NA-		
Surface Water	-NA-	-NA-		
Wastes				

LUST SITE INFORMATION

Was free product encountered: on ground water? Yes ☐ No ☒ In excavation? Yes ☐ No ☒

Tank Description			Tank Status (Y or N)		
Tank ID	Product	Size	In Place?	Removed?	Closed in Place?
01	Gasoline	5-cu	N	Y	N
02	Diesel	1 cu	N	Y	N
03	Gasoline	500 Gal	N	Y	N

ENVIRONMENTAL INDICATORS

Answer the following questions as they are applicable to your site:

How many cubic yards of soil have been treated? Ø

Where soil treatment was conducted, was it done **on-site, off-site, or both?** *(circle one)*

How many cubic yards of soil have been disposed of off-site? 70

(Calculate these quantities of soil while the soil is in place, prior to any excavation and/or treatment.)

Provide the name and address of the facility where soil was treated off-site.
Name
Address
State/Zip

Provide the name and address of the facility where soil was disposed.
Name Reagnel Land Fill
Address
State/Zip Roselvalt WA.

If ground water pump and treatment was conducted, how many gallons of ground water have been treated to date? 0 gals.

How many years is the ground water extraction system expected to continue in operation? 0 yrs.

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-07
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082
Spectra #9981

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	1.12
Cadmium	(Cd)	<0.003
Chromium	(Cr)	<0.007
Lead	(Pb)	0.20
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-08
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082
Spectra #9982

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	0.794
Cadmium	(Cd)	<0.003
Chromium	(Cr)	<0.007
Lead	(Pb)	0.42
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-09
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082
Spectra #9983

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	0.780
Cadmium	(Cd)	<0.003
Chromium	(Cr)	<0.007
Lead	(Pb)	0.06
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-10
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082
Spectra #9984

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	0.946
Cadmium	(Cd)	<0.003
Chromium	(Cr)	<0.007
Lead	(Pb)	0.15
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-11
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082
Spectra #9985

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	0.296
Cadmium	(Cd)	0.004
Chromium	(Cr)	<0.007
Lead	(Pb)	0.10
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-12
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082
Spectra #9986

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	0.548
Cadmium	(Cd)	0.006
Chromium	(Cr)	<0.007
Lead	(Pb)	0.18
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-14
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082
Spectra #9988

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	0.391
Cadmium	(Cd)	0.224
Chromium	(Cr)	<0.007
Lead	(Pb)	0.12
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

PO #9422
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082

Spectra #	ID	Total Petroleum Hydrocarbons, mg/Kg
9981	9422-07	19,000
9982	9422-08	2,500
9983	9422-09	19,000
9984	9422-10	31,000
9985	9422-11	860
9986	9422-12	220,000
9988	9422-14	21,000

Total Petroleum Hydrocarbons testing performed by WTPH-418.1 Modified

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

PO #9422
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Date Analyzed: 9-19-94
Spectra Project: S409-082

Spectra #	Sample ID:	WTPH-G, mg/Kg	Surrogate Recovery Trifluorotoluene
9975	9422-01	<20	108%
9976	9422-02	<20	103%
9977	9422-03	<20	121%
9978	9422-04	<20	108%
9979	9422-05	<20	95%
9980	9422-06	<20	102%
Method Blank		<20	145%

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

PO #9422
Project: TIDRIC
Sample Matrix: Water
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082

Spectra #	ID	Total Petroleum Hydrocarbons, mg/L
9987	9422-13	88

Total Petroleum Hydrocarbon testing performed by EPA Method 418.1

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

EPA Method: 418.1
Sample Matrix: Water
Spectra Project: S409-082
Applies to Spectra #9987

HYDROCARBON ANALYSIS
QUALITY CONTROL RESULTS

MS/MSD

Spiked Sample: Method Blank
Units: mg/L

Date Analyzed: 9-13-94

Compound	Sample Result	Spike Amount	Spike Result	% Recovery	Dup. Result	Dup. % Recovery	RPD
TPH	<0.1	10.2	9.0	88	8.9	87	1

METHOD BLANK

Date Extracted: 9-22-94

Date Analyzed: 9-22-94

Total Petroleum Hydrocarbons, mg/L <0.5

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Method: WTPH-418.1 Mod.
Sample Matrix: Soil
Spectra Project: S409-082
Applies to Spectra #'s
9981 - 9986 and 9988

HYDROCARBON ANALYSIS
QUALITY CONTROL RESULTS

MS/MSD

Spiked Sample: Method Blank Date Analyzed: 9-15-94
Units: mg/Kg

Compound	Sample Result	Spike Amount	Spike Result	% Recovery	Dup. Result	Dup. % Recovery	RPD
TPH	<20	204	184	90	173	85	6

METHOD BLANK

Date Extracted: 9-21-94 Date Analyzed: 9-21-94

Total Petroleum Hydrocarbons, mg/Kg <20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

METHOD BLANK
Date Analyzed: 9-26-94
Spectra Project: S409-082
Applies to Spectra #'s
9981 - 9986 and 9988

TCLP Metals, mg/L

Arsenic	(As)	<0.05
Barium	(Ba)	0.238
Cadmium	(Cd)	<0.003
Chromium	(Cr)	<0.007
Lead	(Pb)	<0.04
Mercury	(Hg)	<0.03
Selenium	(Se)	<0.08
Silver	(Ag)	<0.007

TCLP by EPA Method 1311
Metals performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Method: WTPH-G
Sample Matrix: Soil
Spectra Project: S409-082
Applies to Spectra #'s
9975 - 9980

HYDROCARBON ANALYSIS
QUALITY CONTROL RESULTS

MS/MSD

Spiked Sample: Method Blank
Units: mg/Kg

Date Extracted: 9-12-94
Date Analyzed:

Compound	Sample Result	Spike Amount	Spike Result	% Recovery	Dup. Result	Dup. % Recovery	RPD
Gasoline	<20	52	50	96	49	94	2

METHOD BLANK

Date Extracted: 9-19-94

Date Analyzed: 9-19-94

WTPH-G, mg/Kg

<20

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

WTPH Chain of Custody

CHAIN OF CUSTODY RECORD

DATE 10-26-94 PAGE 1 OF ____ Lab Number ____

Laucks
Testing Laboratories, Inc.
940 South Harney St. Seattle, Washington 98108 (206)767-5060

THIS INFORMATION WILL BE USED FOR REPORTING

NAME Cayuse Environmental
ADDRESS 60 N Olden Way
Toppenish WA
ATTENTION: Bryan Mull
PROJECT NAME Roganelle
JOB/P.O. NO. 9422-
SAMPLER (SIGNATURE) (PRINTED NAME) Bryan Mull

LAB NO.	LAB SA #	SAMPLE NO.	DATE	TIME	LOCATION	WTPH HCID	WTPH-D	WTPH-G/BTEX	WTPH-418.1	Modified 8015				24 Hour Rush	2 Day	3 Day	5 Day	10 day (standard)	NO. OF CONTAINERS
		9422-17	10-26	2					X					X					
		9422-18	10-26	2					X					X					
		9422-19	10-26	2					X					X					
		9422-20	10-26	2					X					X					
		9422-21	10-26	2					X					X					
		9422-22	10-26	2					X					X					
		9422-23	10-26	2					X					X					
		9422-24	10-26	2					X					X					
		9422-25	10-26	2					X					X					

TESTING PARAMETERS

OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS

Check off desired business days turnaround.
If no turnaround is requested we will assume 10 business da

I'll call Pam Tomorrow 10-27-94 He wants by Friday noon?

RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE	10-26-94	SIGNATURE	10-26
PRINTED NAME Bryan Mull	TIME 2	PRINTED NAME	TIME 424pm
COMPANY Cayuse		COMPANY	
RELINQUISHED BY	DATE	RECEIVED BY	DATE
SIGNATURE		SIGNATURE	
PRINTED NAME	TIME	PRINTED NAME	TIME

LAUCKS TESTING LABS

TOTAL NUMBER OF CONTAINERS:

SHIPMENT METHOD:

SPECIAL SHIPMENT, HANDLING OR STORAGE REQUIREMENTS:

INSTRUCTIONS:
1. Shaded areas for lab use only.
2. Complete in ballpoint pen. Draw one line through errors and initial.
3. Be specific in test requests.
4. Check off tests to be performed for each sample.
5. Retain final copy after signing.
6. Provide name and telephone of your contact person.

NAME ____
TELEPHONE ____

BILLING INFORMATION, IF DIFFERENT
NAME ____
ADDRESS ____

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample Matrix: Soil
EPA Method: 8260
Sample Spiked: Method Blank
Date Analyzed: 9-21-94
Units: ug/Kg
Spectra Project: S409-169
Applies to Spectra #'s
10442 - 10448

GCMS VOLATILE ORGANIC ANALYSIS
QUALITY CONTROL RESULTS

Compound	Sample Result	Spike Amount Added	Spike Amount Found	% Recovery	Dup. Spike Amount Found	% Recovery	RPD
1,1-Dichloroethene	<5	50.0	53.5	107	51.8	104	3
Trichloroethene	<5	50.0	45.5	91	43.1	86	6
Benzene	<5	50.0	51.4	103	48.9	98	5
Toluene	<5	50.0	52.0	104	48.9	98	6
Chlorobenzene	<5	50.0	51.0	102	47.9	96	6

SPECTRA LABORATORIES, INC.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

METHOD BLANK
Sample Matrix: Sand
Spectra Project: S409-169
Applies to Spectra #'s
10442 - 10448

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 1
< = less than

CHLORINATED SOLVENT SCAN — **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<5	trans-1,2-Dichloroethene	156-60-5	<5
Bromodichloromethane	75-27-4	<5	1,2-Dichloropropane	78-87-5	<5
Carbon tetrachloride	56-23-5	<5	1,3-Dichloropropane	142-28-9	<5
Chlorobenzene	108-90-7	<5	2,2-Dichloropropane	594-20-7	<5
Chlorodibromomethane	124-48-1	<5	1,1-Dichloropropene	563-58-6	<5
Chloroethane	75-00-3	<10	Hexachlorobutadiene	87-68-3	<5
Chloroform	67-66-3	<5	Methylene chloride	75-09-2	<50
Chloromethane	74-87-3	<10	1,1,1,2-Tetrachloroethane	630-20-6	<5
2-Chlorotoluene	95-49-8	<5	1,1,2,2-Tetrachloroethane	79-34-5	<5
4-Chlorotoluene	106-43-4	<5	Tetrachloroethene	127-18-4	<5
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<50	1,2,3-Trichlorobenzene	87-61-6	<5
1,2-Dichlorobenzene	95-50-1	<5	1,2,4-Trichlorobenzene	120-82-1	<5
1,3-Dichlorobenzene	541-73-1	<5	1,1,1-Trichloroethane	71-55-6	<5
1,4-Dichlorobenzene	106-46-7	<5	1,1,2-Trichloroethane	79-00-5	<5
Dichlorodifluoromethane	75-71-8	<10	Trichloroethene	79-01-6	33
1,1-Dichloroethane	75-34-3	<5	Trichlorofluoromethane	75-69-4	<5
1,2-Dichloroethane	107-06-2	<5	1,2,3-Trichloropropane	96-18-4	<5
1,1-Dichloroethene	75-35-4	<5	Vinyl chloride	75-01-4	<10
cis-1,2-Dichloroethene	156-59-2	<5			

CAS# = Chemical Abstract Services Registry Number

VOA Surrogate Percent Recoveries

Dibromofluoromethane	105%
Toluene-d8	100%
4-Bromofluorobenzene	96%

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

November 4, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

PO #9422
Project: Tidril
Sample Matrix: Soil
Date Sampled: 11-2-94
Date Received: 11-3-94
Spectra Project: S411-030
RUSH

Spectra #	ID	Total Petroleum Hydrocarbons, mg/Kg
11519	9422-28	147
11520	9422-29	244
11521	9422-30	154
11522	9422-31	<20
11523	9422-32	321
11524	9422-33	<20
11525	9422-34	559
11526	9422-35	<20
11527	9422-36	<20

Total Petroleum Hydrocarbons testing performed by WTPH-418.1 Modified

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist

Laucks Since 1908
Testing Laboratories, Inc.
940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX (206) 767-5063
Chemistry, Microbiology, and Technical Services

CLIENT: Cayuse Environmental
60 Olden Way
Toppenish, WA 98948

ATTN : Brian Mull

Certificate of Analysis

Work Order# : 94-11-172
DATE RECEIVED : 11/08/94
DATE OF REPORT: 11/14/94
CLIENT JOB ID : 9427

Work ID : RUSH 418.1
Taken By : Client
Transported by: Pony Exp
Type : Soil

SAMPLE IDENTIFICATION:

	Sample Description	Collection Date
01	9422-38	11/07/94 11:30

KEY

< indicates "less than"

Unless otherwise instructed all samples will be discarded on 12/24/94

Respectfully submitted,
Laucks Testing Laboratories, Inc.

J. M. Owens

Laucks Since 1908
Testing Laboratories, Inc.
940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX (206) 767-5063
Chemistry, Microbiology, and Technical Services

CLIENT : Cayuse Environmental

Certificate of Analysis

Work Order # 94-11-172

TESTS PERFORMED AND RESULTS:

Analyte	Units	01
Total Solids	%	80.9
WTPH-418.1	mg/kg DB	< 25.

CHAIN OF CUSTODY RECORD

WORK ORDER ID# C.11172 PAGE 1 OF 1

DATE 11-7-94

Laucks Testing Laboratories, Inc.

SUBMITTED AT:
☐ 940 South Harney St., Seattle, WA 98108 (206) 767-5060 FAX 767-5063
☐ 1106 Ledwich Ave., Yakima, WA 98902 (509) 248-4695 FAX 452-1265

THIS INFORMATION WILL BE USED FOR REPORTING/BILLING* (SEE BELOW)

NAME: Cayase Environmental
ADDRESS: 60 Olden Way
Toppenish WA
ATTENTION: Bryan Mull
PROJECT NAME: Fedric Sodars
PROJECT CONTACT: Bryan Mull
TELEPHONE/FAX: ~~[illegible]~~ 509-865-5081
JOB/P.O. NO.: 9427-

SAMPLER (SIGNATURE) Bryan Mull (PRINTED NAME) Bryan

LAB SA#	SAMPLE ID / LOCATION	DATE	TIME	TESTS TO PERFORM: 418.1	NO. OF CONTAINERS	OBSERVATIONS, COMMENTS, SPECIAL INSTRUCTIONS
	9422-38	11-7-94	11:30	X		24 Hour Rush

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.

***BILLING INFORMATION, IF DIFFERENT THAN ABOVE**
NAME ADDRESS
ATTN: CITY, STATE, ZIP

TURNAROUND REQUEST
☒ 24-48 HRS (100% SUR)
☐ 5-DAYS (50% SUR)
☐ STD. 10-14 DAYS
☐ OTHER _____
IF POSSIBLE

TOTAL NO. OF CONTAINERS

CHAIN OF CUSTODY SEALS? ☐ YES ☐ NO ☐ NA

SHIPPED VIA: ☐ UPS ☐ FED-EX ☐ BUS ☐ HAND ☐ _____

TEMPERATURE _____ ☐ AMBIENT ☐ REPRESENTATIVE

RELINQUISHED BY (SIGN AND PRINT)	DATE / TIME	RECEIVED BY (SIGN AND PRINT)	DATE / TIME
Bryan Mull / Bryan Mull	12:30 11-7-94	Tamara Rook / LAUCKS TESTING LABS	11-07-94 12:16pm 11/8/94

FINAL REPORT COPY

CLIENT: Cayuse Environmental
60 Olden Way
Toppenish, WA 98948

ATTN : Brian Mull

Work ID : RUSH 418.1
Taken By : Client
Transported by: Pony Exp
Type : Soil

Certificate of Analysis

Work Order# : 94-11-172
DATE RECEIVED : 11/08/94
DATE OF REPORT:
CLIENT JOB ID : 9427

SAMPLE IDENTIFICATION:

	Sample Description	Collection Date	Sample Description	Collection Date
01	9422-38	11/07/94 11:30		

Unless otherwise instructed all samples will be discarded on 12/24/94

Respectfully submitted,
Laucks Testing Laboratories, Inc.

Preliminary Results

CLIENT : Cayuse Environmental

Certificate of Analysis

Work Order # 94-10-875

TESTS PERFORMED AND RESULTS:

Analyte	Units	01	02	03	04
Total Solids	%	92.8	83.4	84.2	83.5
WTPH-418.1	mg/kg DB	1800.	24. U	24. U	24. U

Analyte	Units	05	06	07	08
Total Solids	%	98.2	90.6	81.2	80.8
WTPH-418.1	mg/kg DB	92.	910.	24. U	28.

Analyte	Units	09
Total Solids	%	93.9
WTPH-418.1	mg/kg DB	23.

CLIENT : Cayuse Environmental

Certificate of Analysis

Work Order # 94-11-172

TESTS PERFORMED AND RESULTS:

Analyte	Units	01
Total Solids	%	80.9
WTPH-418.1	mg/kg DB	25. U

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

October 5, 1994

Mr. Bryan Mull
Cayuse Environmental
60 Olden Way
Toppenish, WA 98948

RE: Additional Testing

Dear Mr. Mull,

Please find enclosed the results for the above referenced project.

If you have any questions or need any further information, please feel free to call any time.

Sincerely,

SPECTRA LABORATORIES, INC.

Mike Minner
Lab Director

Enclosure

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

October 5, 1994

Cayuse Environmental
60 Olden Way
Toppenish, WA 98948

Attn: Bryan Mull

Sample ID: 9422-09
Sample Matrix: Soil
Spectra Project: S409-208
Spectra #10582
(Additional Testing)

Date Extracted: 9-30-94
Date Analyzed: 9-30-94
Dilution: 25
< = less than

SEMIVOLATILE ORGANIC ANALYSIS — METHOD 8270

Compound	mg/Kg	Compound	mg/Kg
Phenol	<8.3	Acenaphthene	<8.3
bis(2-Chloroethyl)Ether	<8.3	2,4-Dinitrophenol	<41
2-Chlorophenol	<8.3	4-Nitrophenol	<41
1,3-Dichlorobenzene	<8.3	Dibenzofuran	<8.3
1,4-Dichlorobenzene	<8.3	2,4-Dinitrotoluene	<8.3
Benzyl Alcohol	<8.3	2,6-Dinitrotoluene	<8.3
1,2-Dichlorobenzene	<8.3	Diethylphthalate	<8.3
2-Methylphenol	<8.3	4-Chlorophenyl-phenylether	<8.3
bis(2-chloroisopropyl)Ether	<8.3	Fluorene	<8.3
4-Methylphenol	<8.3	4-Nitroaniline	<41
N-Nitroso-Di-n-Propylamine	<8.3	4,6-Dinitro-2-Methylphenol	<41
Hexachloroethane	<8.3	N-Nitrosodiphenylamine	<8.3
Nitrobenzene	<8.3	4-Bromophenyl-phenylether	<8.3
Isophorone	<8.3	Hexachlorobenzene	<8.3
2-Nitrophenol	<8.3	Pentachlorophenol	<41
2,4-Dimethylphenol	<8.3	Phenanthrene	<8.3
Benzoic Acid	<41	Anthracene	<8.3
bis(2-Chloroethoxy)Methane	<8.3	Di-n-Butylphthalate	<8.3
2,4-Dichlorophenol	<8.3	Fluoranthene	<8.3
1,2,4-Trichlorobenzene	<8.3	Benzidine	<17
Naphthalene	5.7J	Pyrene	1.3J
4-Chloroaniline	<8.3	Butylbenzylphthalate	<8.3
Hexachlorobutadiene	<8.3	3,3-Dichlorobenzidine	<17
4-Chloro-3-Methylphenol	<8.3	Benzo(a)Anthracene	<8.3
2-Methylnaphthalene	15	bis(2-Ethylhexyl)Phthalate	2.3J
Hexachlorocyclopentadiene	<8.3	Chrysene	<8.3
2,4,6-Trichlorophenol	<8.3	Di-n-Octyl Phthalate	<8.3
2,4,5-Trichlorophenol	<8.3	Benzo(b)Fluoranthene	<8.3
2-Chloronaphthalene	<8.3	Benzo(k)Fluoranthene	<8.3
2-Nitroaniline	<41	Benzo(a)Pyrene	<8.3
Dimethyl Phthalate	<8.3	Indeno(1,2,3-cd)Pyrene	<8.3
Acenaphthylene	<8.3	Dibenz(a,h)Anthracene	<8.3
3-Nitroaniline	<41	Benzo(ghi)Perylene	<8.3

SURROGATE RECOVERIES

Nitrobenzene-d5	71%	2-Fluorophenol	66%
2-Fluorobiphenyl	112%	Phenol-d5	82%
p-Terphenyl-d14	193% *	2,4,6-Tribromophenol	0% *

Sample contains a wide variety of compounds indicative of petroleum hydrocarbons.
* Surrogates out of limits due to matrix effects.

Richard J. Forrester, Manager, Organic Chem.

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

October 5, 1994

Cayuse Environmental
60 Olden Way
Toppenish, WA 98948

Attn: Bryan Mull

Sample ID: 9422-12
Sample Matrix: Soil
Spectra Project: S409-208
Spectra #10583
(Additional Testing)

Date Extracted: 9-30-94
Date Analyzed: 9-30-94
Dilution: 75
< = less than

SEMIVOLATILE ORGANIC ANALYSIS — METHOD 8270

Compound	mg/Kg	Compound	mg/Kg
Phenol	<25	Acenaphthene	<25
bis(2-Chloroethyl)Ether	<25	2,4-Dinitrophenol	<120
2-Chlorophenol	<25	4-Nitrophenol	<120
1,3-Dichlorobenzene	<25	Dibenzofuran	<25
1,4-Dichlorobenzene	<25	2,4-Dinitrotoluene	<25
Benzyl Alcohol	<25	2,6-Dinitrotoluene	<25
1,2-Dichlorobenzene	<25	Diethylphthalate	<25
2-Methylphenol	<25	4-Chlorophenyl-phenylether	<25
bis(2-chloroisopropyl)Ether	<25	Fluorene	<25
4-Methylphenol	<25	4-Nitroaniline	<120
N-Nitroso-Di-n-Propylamine	<25	4,6-Dinitro-2-Methylphenol	<120
Hexachloroethane	<25	N-Nitrosodiphenylamine	<25
Nitrobenzene	<25	4-Bromophenyl-phenylether	<25
Isophorone	<25	Hexachlorobenzene	<25
2-Nitrophenol	<25	Pentachlorophenol	<120
2,4-Dimethylphenol	<25	Phenanthrene	<25
Benzoic Acid	<120	Anthracene	<25
bis(2-Chloroethoxy)Methane	<25	Di-n-Butylphthalate	<25
2,4-Dichlorophenol	<25	Fluoranthene	<25
1,2,4-Trichlorobenzene	<25	Benzidine	<50
Naphthalene	4.7J	Pyrene	5.1J
4-Chloroaniline	<25	Butylbenzylphthalate	8.6J
Hexachlorobutadiene	<25	3,3-Dichlorobenzidine	<50
4-Chloro-3-Methylphenol	<25	Benzo(a)Anthracene	<25
2-Methylnaphthalene	16J	bis(2-Ethylhexyl)Phthalate	39
Hexachlorocyclopentadiene	<25	Chrysene	<25
2,4,6-Trichlorophenol	<25	Di-n-Octyl Phthalate	<25
2,4,5-Trichlorophenol	<25	Benzo(b)Fluoranthene	<25
2-Chloronaphthalene	<25	Benzo(k)Fluoranthene	<25
2-Nitroaniline	<120	Benzo(a)Pyrene	<25
Dimethyl Phthalate	<25	Indeno(1,2,3-cd)Pyrene	<25
Acenaphthylene	<25	Dibenz(a,h)Anthracene	<25
3-Nitroaniline	<120	Benzo(ghi)Perylene	<25

SURROGATE RECOVERIES

Nitrobenzene-d5	76%	2-Fluorophenol	76%
2-Fluorobiphenyl	128% *	Phenol-d5	93%
p-Terphenyl-d14	206% *	2,4,6-Tribromophenol	0% *

Sample contains a wide variety of compounds indicative of petroleum hydrocarbons.
* Surrogates out of limits due to matrix effects.

Richard J. Forrester, Manager, Organic Chem.

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

October 5, 1994

Cayuse Environmental
60 Olden Way
Toppenish, WA 98948

Attn: Bryan Mull

METHOD BLANK
Sample Matrix: Soil
Spectra Project: S409-208
Applies to Spectra #'s
10582 and 10583

Date Extracted: 9-30-94
Date Analyzed: 9-30-94
Dilution: 1
< = less than

SEMIVOLATILE ORGANIC ANALYSIS — METHOD 8270

Compound	mg/Kg	Compound	mg/Kg
Phenol	<0.33	Acenaphthene	<0.33
bis(2-Chloroethyl)Ether	<0.33	2,4-Dinitrophenol	<1.65
2-Chlorophenol	<0.33	4-Nitrophenol	<1.65
1,3-Dichlorobenzene	<0.33	Dibenzofuran	<0.33
1,4-Dichlorobenzene	<0.33	2,4-Dinitrotoluene	<0.33
Benzyl Alcohol	<0.33	2,6-Dinitrotoluene	<0.33
1,2-Dichlorobenzene	<0.33	Diethylphthalate	<0.33
2-Methylphenol	<0.33	4-Chlorophenyl-phenylether	<0.33
bis(2-chloroisopropyl)Ether	<0.33	Fluorene	<0.33
4-Methylphenol	<0.33	4-Nitroaniline	<1.65
N-Nitroso-Di-n-Propylamine	<0.33	4,6-Dinitro-2-Methylphenol	<1.65
Hexachloroethane	<0.33	N-Nitrosodiphenylamine	<0.33
Nitrobenzene	<0.33	4-Bromophenyl-phenylether	<0.33
Isophorone	<0.33	Hexachlorobenzene	<0.33
2-Nitrophenol	<0.33	Pentachlorophenol	<1.65
2,4-Dimethylphenol	<0.33	Phenanthrene	<0.33
Benzoic Acid	<1.65	Anthracene	<0.33
bis(2-Chloroethoxy)Methane	<0.33	Di-n-Butylphthalate	<0.33
2,4-Dichlorophenol	<0.33	Fluoranthene	<0.33
1,2,4-Trichlorobenzene	<0.33	Benzidine	<0.66
Naphthalene	<0.33	Pyrene	<0.33
4-Chloroaniline	<0.33	Butylbenzylphthalate	<0.33
Hexachlorobutadiene	<0.33	3,3-Dichlorobenzidine	<0.66
4-Chloro-3-Methylphenol	<0.33	Benzo(a)Anthracene	<0.33
2-Methylnaphthalene	<0.33	bis(2-Ethylhexyl)Phthalate	<0.33
Hexachlorocyclopentadiene	<0.33	Chrysene	<0.33
2,4,6-Trichlorophenol	<0.33	Di-n-Octyl Phthalate	<0.33
2,4,5-Trichlorophenol	<0.33	Benzo(b)Fluoranthene	<0.33
2-Chloronaphthalene	<0.33	Benzo(k)Fluoranthene	<0.33
2-Nitroaniline	<1.65	Benzo(a)Pyrene	<0.33
Dimethyl Phthalate	<0.33	Indeno(1,2,3-cd)Pyrene	<0.33
Acenaphthylene	<0.33	Dibenz(a,h)Anthracene	<0.33
3-Nitroaniline	<1.65	Benzo(ghi)Perylene	<0.33

SURROGATE RECOVERIES

Nitrobenzene-d5	41%	2-Fluorophenol	36%
2-Fluorobiphenyl	63%	Phenol-d5	50%
p-Terphenyl-d14	94%	2,4,6-Tribromophenol	84%

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

October 5, 1994

Cayuse Environmental
60 Olden Way
Toppenish, WA 98948

Attn: Bryan Mull

Sample Matrix: Soil
Sample Spiked: Method Blank
Date Extracted: 9-7-94
Date Analyzed: 9-7-94
Units: mg/Kg
Spectra Project: S409-208
Applies to Spectra #'s
10582 and 10583

SOIL SEMIVOLATILE MATRIX SPIKE QUALITY CONTROL

	Sample Result	Spike Added	MS Conc.	MS % Rec.	MSD Conc.	MSD Rec.	RPD
Phenol	<0.33	5.0	2.75	55	2.77	55	0
2-Chlorophenol	<0.33	5.0	2.78	56	2.78	56	0
1,4-Dichlorobenzene	<0.33	3.33	1.97	59	2.00	60	2
N-Nitroso-Di-n-Propylamine	<0.33	3.33	2.38	72	2.36	71	1
1,2,4-Trichlorobenzene	<0.33	3.33	2.23	67	2.23	67	0
4-Chloro-3-Methylphenol	<0.33	5.0	3.25	65	3.25	65	0
Acenaphthene	<0.33	3.33	2.41	72	2.40	72	1
4-Nitrophenol	<1.65	5.0	4.27	85	4.15	83	3
2,4-Dinitrotoluene	<0.33	3.33	2.56	77	2.57	77	0
Pentachlorophenol	<1.65	5.0	4.88	98	4.53	91	7
Pyrene	<0.33	3.33	2.21	66	2.22	67	0

SPECTRA LABORATORIES, INC.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-07
Project: Add. Testing
Sample Matrix: Soil
Spectra Project: S409-169
Spectra #10442

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 1
< = less than

CHLORINATED SOLVENT SCAN **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<5	trans-1,2-Dichloroethene	156-60-5	<5
Bromodichloromethane	75-27-4	<5	1,2-Dichloropropane	78-87-5	<5
Carbon tetrachloride	56-23-5	<5	1,3-Dichloropropane	142-28-9	<5
Chlorobenzene	108-90-7	<5	2,2-Dichloropropane	594-20-7	<5
Chlorodibromomethane	124-48-1	<5	1,1-Dichloropropene	563-58-6	<5
Chloroethane	75-00-3	<10	Hexachlorobutadiene	87-68-3	<5
Chloroform	67-66-3	10	Methylene chloride	75-09-2	<50
Chloromethane	74-87-3	<10	1,1,1,2-Tetrachloroethane	630-20-6	<5
2-Chlorotoluene	95-49-8	<5	1,1,2,2-Tetrachloroethane	79-34-5	<5
4-Chlorotoluene	106-43-4	<5	Tetrachloroethene	127-18-4	290
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<50	1,2,3-Trichlorobenzene	87-61-6	<5
1,2-Dichlorobenzene	95-50-1	<5	1,2,4-Trichlorobenzene	120-82-1	<5
1,3-Dichlorobenzene	541-73-1	10	1,1,1-Trichloroethane	71-55-6	<5
1,4-Dichlorobenzene	106-46-7	11	1,1,2-Trichloroethane	79-00-5	<5
Dichlorodifluoromethane	75-71-8	<10	Trichloroethene	79-01-6	<5
1,1-Dichloroethane	75-34-3	<5	Trichlorofluoromethane	75-69-4	<5
1,2-Dichloroethane	107-06-2	<5	1,2,3-Trichloropropane	96-18-4	<5
1,1-Dichloroethene	75-35-4	<5	Vinyl chloride	75-01-4	<10
cis-1,2-Dichloroethene	156-59-2	<5			

CAS# = Chemical Abstract Services Registry Number

VOA Surrogate Percent Recoveries

Dibromofluoromethane	113%
Toluene-d8	75%
4-Bromofluorobenzene	100%

Sample contains a wide variety of compounds indicative of petroleum hydrocarbons.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-08
Project: Add. Testing
Sample Matrix: Soil
Spectra Project: S409-169
Spectra #10443

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 1
< = less than

CHLORINATED SOLVENT SCAN — **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<5	trans-1,2-Dichloroethene	156-60-5	<5
Bromodichloromethane	75-27-4	<5	1,2-Dichloropropane	78-87-5	<5
Carbon tetrachloride	56-23-5	<5	1,3-Dichloropropane	142-28-9	<5
Chlorobenzene	108-90-7	<5	2,2-Dichloropropane	594-20-7	<5
Chlorodibromomethane	124-48-1	<5	1,1-Dichloropropene	563-58-6	<5
Chloroethane	75-00-3	<10	Hexachlorobutadiene	87-68-3	<5
Chloroform	67-66-3	5	Methylene chloride	75-09-2	<50
Chloromethane	74-87-3	<10	1,1,1,2-Tetrachloroethane	630-20-6	<5
2-Chlorotoluene	95-49-8	<5	1,1,2,2-Tetrachloroethane	79-34-5	<5
4-Chlorotoluene	106-43-4	<5	Tetrachloroethene	127-18-4	33
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<50	1,2,3-Trichlorobenzene	87-61-6	<5
1,2-Dichlorobenzene	95-50-1	<5	1,2,4-Trichlorobenzene	120-82-1	<5
1,3-Dichlorobenzene	541-73-1	<5	1,1,1-Trichloroethane	71-55-6	<5
1,4-Dichlorobenzene	106-46-7	<5	1,1,2-Trichloroethane	79-00-5	<5
Dichlorodifluoromethane	75-71-8	<10	Trichloroethene	79-01-6	<5
1,1-Dichloroethane	75-34-3	<5	Trichlorofluoromethane	75-69-4	<5
1,2-Dichloroethane	107-06-2	<5	1,2,3-Trichloropropane	96-18-4	<5
1,1-Dichloroethene	75-35-4	<5	Vinyl chloride	75-01-4	<10
cis-1,2-Dichloroethene	156-59-2	<5			

CAS# = Chemical Abstract Services Registry Number

VOA Surrogate Percent Recoveries

Dibromofluoromethane	96%
Toluene-d8	87%
4-Bromofluorobenzene	145%*

*Surrogates out of limits due to matrix effects.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-09
Project: Add. Testing
Sample Matrix: Soil
Spectra Project: S409-169
Spectra #10444

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 1
< = less than

CHLORINATED SOLVENT SCAN — **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<5	trans-1,2-Dichloroethene	156-60-5	<5
Bromodichloromethane	75-27-4	<5	1,2-Dichloropropane	78-87-5	<5
Carbon tetrachloride	56-23-5	<5	1,3-Dichloropropane	142-28-9	<5
Chlorobenzene	108-90-7	<5	2,2-Dichloropropane	594-20-7	<5
Chlorodibromomethane	124-48-1	<5	1,1-Dichloropropene	563-58-6	<5
Chloroethane	75-00-3	<10	Hexachlorobutadiene	87-68-3	<5
Chloroform	67-66-3	12	Methylene chloride	75-09-2	62
Chloromethane	74-87-3	<10	1,1,1,2-Tetrachloroethane	630-20-6	<5
2-Chlorotoluene	95-49-8	<5	1,1,2,2-Tetrachloroethane	79-34-5	<5
4-Chlorotoluene	106-43-4	<5	Tetrachloroethene	127-18-4	540
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<50	1,2,3-Trichlorobenzene	87-61-6	<5
1,2-Dichlorobenzene	95-50-1	<5	1,2,4-Trichlorobenzene	120-82-1	<5
1,3-Dichlorobenzene	541-73-1	<5	1,1,1-Trichloroethane	71-55-6	<5
1,4-Dichlorobenzene	106-46-7	<5	1,1,2-Trichloroethane	79-00-5	<5
Dichlorodifluoromethane	75-71-8	<10	Trichloroethene	79-01-6	640
1,1-Dichloroethane	75-34-3	<5	Trichlorofluoromethane	75-69-4	<5
1,2-Dichloroethane	107-06-2	<5	1,2,3-Trichloropropane	96-18-4	<5
1,1-Dichloroethene	75-35-4	<5	Vinyl chloride	75-01-4	<10
cis-1,2-Dichloroethene	156-59-2	<5			

CAS# = Chemical Abstract Services Registry Number

VOA Surrogate Percent Recoveries

Dibromofluoromethane	114%
Toluene-d8	90%
4-Bromofluorobenzene	109%

Sample contains a wide variety of compounds indicative of petroleum hydrocarbons.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-10
Project: Add. Testing
Sample Matrix: Soil
Spectra Project: S409-169
Spectra #10445

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 5
< = less than

CHLORINATED SOLVENT SCAN — **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<25	trans-1,2-Dichloroethene	156-60-5	<25
Bromodichloromethane	75-27-4	<25	1,2-Dichloropropane	78-87-5	<25
Carbon tetrachloride	56-23-5	<25	1,3-Dichloropropane	142-28-9	<25
Chlorobenzene	108-90-7	<25	2,2-Dichloropropane	594-20-7	<25
Chlorodibromomethane	124-48-1	<25	1,1-Dichloropropene	563-58-6	<25
Chloroethane	75-00-3	<50	Hexachlorobutadiene	87-68-3	<25
Chloroform	67-66-3	<25	Methylene chloride	75-09-2	<50
Chloromethane	74-87-3	<50	1,1,1,2-Tetrachloroethane	630-20-6	<25
2-Chlorotoluene	95-49-8	<25	1,1,2,2-Tetrachloroethane	79-34-5	<25
4-Chlorotoluene	106-43-4	<25	Tetrachloroethene	127-18-4	570
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<250	1,2,3-Trichlorobenzene	87-61-6	<25
1,2-Dichlorobenzene	95-50-1	<25	1,2,4-Trichlorobenzene	120-82-1	<25
1,3-Dichlorobenzene	541-73-1	<25	1,1,1-Trichloroethane	71-55-6	<25
1,4-Dichlorobenzene	106-46-7	<25	1,1,2-Trichloroethane	79-00-5	<25
Dichlorodifluoromethane	75-71-8	<50	Trichloroethene	79-01-6	58
1,1-Dichloroethane	75-34-3	<25	Trichlorofluoromethane	75-69-4	<25
1,2-Dichloroethane	107-06-2	<25	1,2,3-Trichloropropane	96-18-4	<25
1,1-Dichloroethene	75-35-4	<25	Vinyl chloride	75-01-4	<50
cis-1,2-Dichloroethene	156-59-2	<25			

CAS# = Chemical Abstract Services Registry Number

VOA Surrogate Percent Recoveries

Dibromofluoromethane	106%
Toluene-d8	87%
4-Bromofluorobenzene	131%*

Sample contains a wide variety of compounds indicative of petroleum hydrocarbons.
*Surrogates out of limits due to matrix effects.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-11
Project: Add. Testing
Sample Matrix: Soil
Spectra Project: S409-169
Spectra #10446

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 1
< = less than

CHLORINATED SOLVENT SCAN **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<5	trans-1,2-Dichloroethene	156-60-5	<5
Bromodichloromethane	75-27-4	<5	1,2-Dichloropropane	78-87-5	<5
Carbon tetrachloride	56-23-5	<5	1,3-Dichloropropane	142-28-9	<5
Chlorobenzene	108-90-7	<5	2,2-Dichloropropane	594-20-7	<5
Chlorodibromomethane	124-48-1	<5	1,1-Dichloropropene	563-58-6	<5
Chloroethane	75-00-3	<10	Hexachlorobutadiene	87-68-3	<5
Chloroform	67-66-3	<5	Methylene chloride	75-09-2	<50
Chloromethane	74-87-3	<10	1,1,1,2-Tetrachloroethane	630-20-6	<5
2-Chlorotoluene	95-49-8	<5	1,1,2,2-Tetrachloroethane	79-34-5	<5
4-Chlorotoluene	106-43-4	<5	Tetrachloroethene	127-18-4	<5
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<50	1,2,3-Trichlorobenzene	87-61-6	<5
1,2-Dichlorobenzene	95-50-1	<5	1,2,4-Trichlorobenzene	120-82-1	<5
1,3-Dichlorobenzene	541-73-1	<5	1,1,1-Trichloroethane	71-55-6	<5
1,4-Dichlorobenzene	106-46-7	<5	1,1,2-Trichloroethane	79-00-5	<5
Dichlorodifluoromethane	75-71-8	<10	Trichloroethene	79-01-6	<5
1,1-Dichloroethane	75-34-3	<5	Trichlorofluoromethane	75-69-4	<5
1,2-Dichloroethane	107-06-2	<5	1,2,3-Trichloropropane	96-18-4	<5
1,1-Dichloroethene	75-35-4	<5	Vinyl chloride	75-01-4	<10
cis-1,2-Dichloroethene	156-59-2	<5			

CAS# = Chemical Abstract Services Registry Number

VOA Surrogate Percent Recoveries

Dibromofluoromethane	101%
Toluene-d8	90%
4-Bromofluorobenzene	135%*

*Surrogates out of limits due to matrix effects.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-14
Project: Add. Testing
Sample Matrix: Soil
Spectra Project: S409-169
Spectra #10448

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 5
< = less than

CHLORINATED SOLVENT SCAN — **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<25	trans-1,2-Dichloroethene	156-60-5	<25
Bromodichloromethane	75-27-4	<25	1,2-Dichloropropane	78-87-5	<25
Carbon tetrachloride	56-23-5	<25	1,3-Dichloropropane	142-28-9	<25
Chlorobenzene	108-90-7	<25	2,2-Dichloropropane	594-20-7	<25
Chlorodibromomethane	124-48-1	<25	1,1-Dichloropropene	563-58-6	<25
Chloroethane	75-00-3	<50	Hexachlorobutadiene	87-68-3	<25
Chloroform	67-66-3	<25	Methylene chloride	75-09-2	<250
Chloromethane	74-87-3	<50	1,1,1,2-Tetrachloroethane	630-20-6	<25
2-Chlorotoluene	95-49-8	110	1,1,2,2-Tetrachloroethane	79-34-5	<25
4-Chlorotoluene	106-43-4	<25	Tetrachloroethene	127-18-4	190
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<250	1,2,3-Trichlorobenzene	87-61-6	<25
1,2-Dichlorobenzene	95-50-1	<25	1,2,4-Trichlorobenzene	120-82-1	<25
1,3-Dichlorobenzene	541-73-1	<25	1,1,1-Trichloroethane	71-55-6	<25
1,4-Dichlorobenzene	106-46-7	<25	1,1,2-Trichloroethane	79-00-5	<25
Dichlorodifluoromethane	75-71-8	<50	Trichloroethene	79-01-6	33
1,1-Dichloroethane	75-34-3	<25	Trichlorofluoromethane	75-69-4	<25
1,2-Dichloroethane	107-06-2	<25	1,2,3-Trichloropropane	96-18-4	<25
1,1-Dichloroethene	75-35-4	<25	Vinyl chloride	75-01-4	<50
cis-1,2-Dichloroethene	156-59-2	<25			

CAS# = Chemical Abstract Services Registry Number

VOA Surrogate Percent Recoveries

Dibromofluoromethane	98%
Toluene-d8	88%
4-Bromofluorobenzene	150%*

Sample contains a wide variety of compounds indicative of petroleum hydrocarbons.
*Surrogates out of limits due to matrix effects.

Richard J. Forrester
Manager, Organic Chemistry

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 28, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

Sample ID: 9422-12
Project: Add. Testing
Sample Matrix: Soil
Spectra Project: S409-169
Spectra #10447

Date Received: 9-27-94
Date Analyzed: 9-27-94
Dilution: 38
< = less than

CHLORINATED SOLVENT SCAN **EPA METHOD 8260**

Compound	CAS#	ug/Kg	Compound	CAS#	ug/Kg
Bromochloromethane	74-97-5	<190	trans-1,2-Dichloroethene	156-60-5	<190
Bromodichloromethane	75-27-4	<190	1,2-Dichloropropane	78-87-5	<190
Carbon tetrachloride	56-23-5	<190	1,3-Dichloropropane	142-28-9	<190
Chlorobenzene	108-90-7	<190	2,2-Dichloropropane	594-20-7	<190
Chlorodibromomethane	124-48-1	<190	1,1-Dichloropropene	563-58-6	<190
Chloroethane	75-00-3	<380	Hexachlorobutadiene	87-68-3	<190
Chloroform	67-66-3	<190	Methylene chloride	75-09-2	<1,900
Chloromethane	74-87-3	<380	1,1,1,2-Tetrachloroethane	630-20-6	<190
2-Chlorotoluene	95-49-8	36,000	1,1,2,2-Tetrachloroethane	79-34-5	<190
4-Chlorotoluene	106-43-4	6,900	Tetrachloroethene	127-18-4	10,000
1,2-Dibromo-3-Chloropropane (DBCP)	96-12-8	<1,900	1,2,3-Trichlorobenzene	87-61-6	<190
1,2-Dichlorobenzene	95-50-1	<190	1,2,4-Trichlorobenzene	120-82-1	<190
1,3-Dichlorobenzene	541-73-1	<190	1,1,1-Trichloroethane	71-55-6	<190
1,4-Dichlorobenzene	106-46-7	<190	1,1,2-Trichloroethane	79-00-5	<190
Dichlorodifluoromethane	75-71-8	<380	Trichloroethene	79-01-6	250
1,1-Dichloroethane	75-34-3	<190	Trichlorofluoromethane	75-69-4	<190
1,2-Dichloroethane	107-06-2	<190	1,2,3-Trichloropropane	96-18-4	<190
1,1-Dichloroethene	75-35-4	<190	Vinyl chloride	75-01-4	<380
cis-1,2-Dichloroethene	156-59-2	<190			

CAS# = Chemical Abstract Services Registry Number

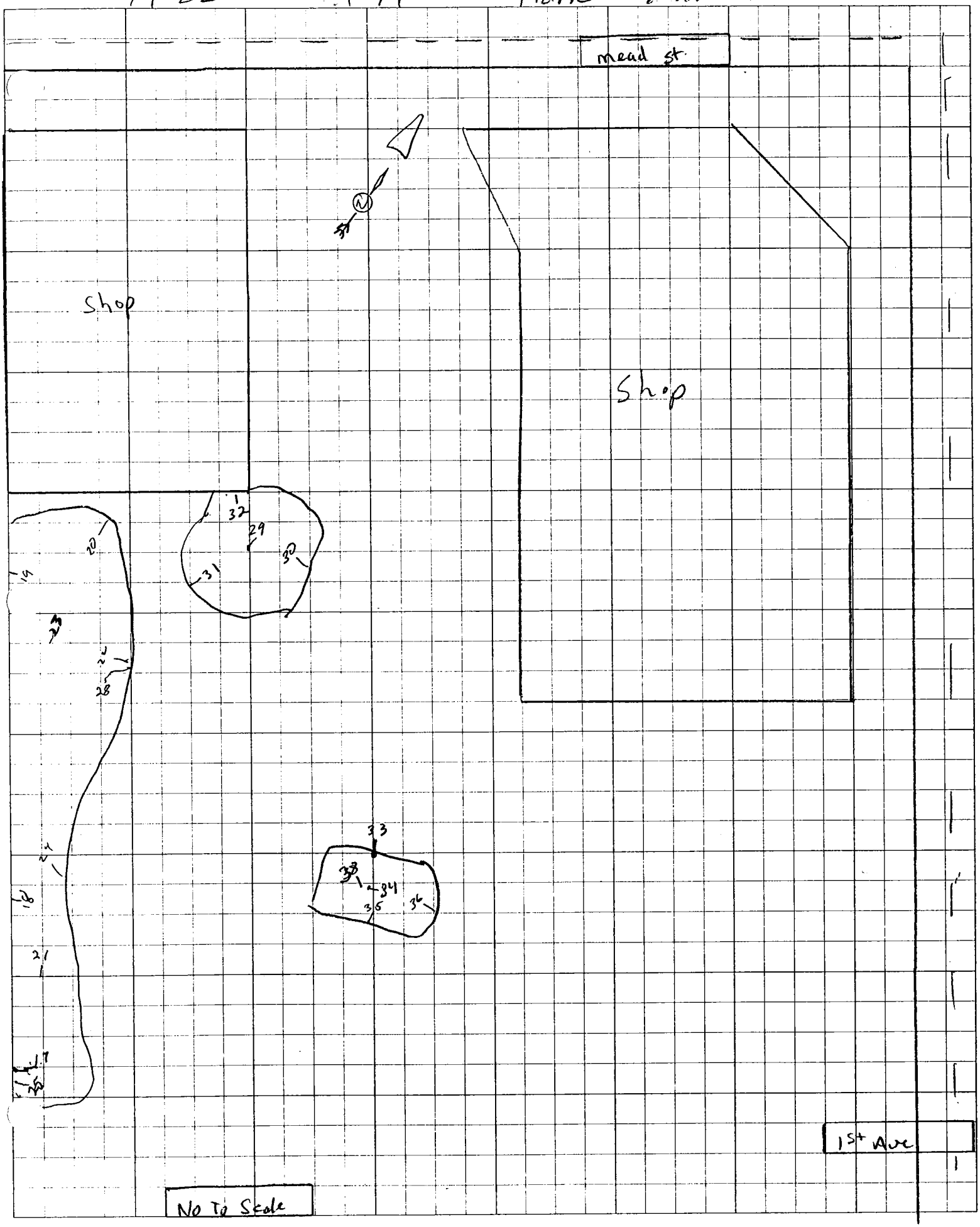
VOA Surrogate Percent Recoveries

Dibromofluoromethane	102%
Toluene-d8	95%
4-Bromofluorobenzene	123%*

Sample contains a wide variety of compounds indicative of petroleum hydrocarbons.
*Surrogates out of limits due to matrix effects.

Richard J. Forrester
Manager, Organic Chemistry

9422 I-94 Tidrik & Kimm



9422 11:41 Tedrve Yeker

Samples	Location	Depth	matrix	Odor	TLC	Headspace
9422-17	South end west wall	5'	Soil	Slite		
9422-18	Center west wall	5'	Soil	ND		
9422-19	North end westwall	5'	Soil	ND		
9422-20	Northend East Wall	5'	Soil	ND		
9422-21	Bottom Southend	9'	Soil	ND		
9422-22	Center East wall	5'	Soil	ND		
9422-23	Bottom Northend	9'	Soil	ND		
9422-24	South end East Wall	5'	Soil	ND		
9422-25	Southend westWall	5'	Soil	ND		
9422-28	Center East Wall	5'	Soil	ND		
9422-29	Bottom	14'	Soil	ND		
9422-30	East Wall	8'	Soil	ND		
9422-31	West Wall	8'	Soil	ND		
9422-32	North Wall	8'	Soil	Slite		
9422-33	North Wall	4'	soil	ND		
9422-34	Bottom	7'	Soil	Slite		
9422-35	South Wall	4'	Soil	ND		
9422-36	East Wall	4'	soil	ND		
9422-38	Bottom	9'	Soil	ND		

SPECTRA Laboratories, Inc.

2221 Ross Way • Tacoma, WA 98421 • (206) 272-4850

September 26, 1994

Cayuse Environmental
60 Olden Way
Toppenish WA 98948

Attn: Bryan Mull

PO #9422
Project: TIDRIC
Sample Matrix: Soil
Date Sampled: 9-13-94
Date Received: 9-15-94
Spectra Project: S409-082

Spectra #	ID	Total Lead (Pb), mg/Kg
9975	9422-01	90
9976	9422-02	202
9977	9422-03	191
9978	9422-04	18
9979	9422-05	65
9980	9422-06	<4

Total Lead testing performed by EPA Method 6010

SPECTRA LABORATORIES, INC.

Steven G. Hibbs, Chemist