



ENGINEERING & SURVEYING

# LUST REMOVAL & REMEDIATION REPORT

**Site:**

1451 Mapleway Road  
Yakima, Washington 98902  
Yakima County Tax Parcel No. 181433-34416

**Prepared for:**

Pat Shields  
1803 Presson Place  
Yakima, Washington 98903

January 7, 2019  
PLSA Project No. 18350

January 7, 2019

Pat Shields  
1803 Presson Place  
Yakima, Washington 98903

**Re: Leaking Underground Storage Tank Removal & Remediation  
1451 Mapleway Road  
Yakima, Washington 98902**

Dear Mr. Shields,

PLSA Engineering & Surveying is pleased to provide the results of the Leaking Underground Storage Tank Removal & Remediation for the property referenced above as the "Site". Section 7 of this report presents our conclusions and recommendations regarding the Site.

Please do not hesitate to contact us at (509) 575-6990 if you have any questions, comments, or require additional information regarding this investigation.

Sincerely,

Sarah Clary ET

Project Manager

PLSA Engineering and Surveying

## *Table of Contents*

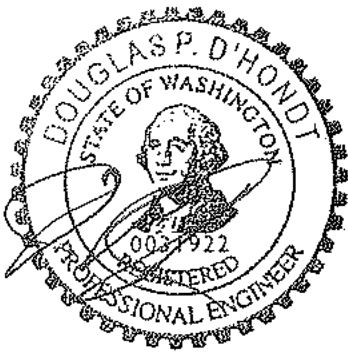
<b>1.0 INTRODUCTION .....</b>	<b>2</b>
1.1 TANK DESCRIPTION.....	2
1.2 SURFACE CONDITIONS .....	2
1.3 SUB-SURFACE CONDITIONS .....	2
1.4 SAMPLING REQUIREMENTS AND PLAN .....	2
1.5 CONTAMINANT CHARACTERIZATION.....	3
<b>2.0 SITE CONDITION .....</b>	<b>4</b>
2.1 Site Description .....	4
2.2 Regional Physiographic and Geologic Conditions.....	4
<b>3.0 FIELD WORK.....</b>	<b>5</b>
3.1 Sampling Procedures.....	5
3.2 Pre-Excavation/Drilling Activities .....	5
3.3 Excavation Soil Sampling Procedures .....	5
3.4 Sample Containers and Labeling.....	5
3.5 Sample Storage.....	5
3.6 Sample Shipment and delivery.....	5
3.7 Disposal of Investigation-Derived Waste .....	6
<b>4.0 REMOVAL AND DISPOSAL OF SOIL, FLUID AND TANK .....</b>	<b>7</b>
<b>5.0 ANALYTICAL DATA.....</b>	<b>8</b>
<b>6.0 FINDINGS AND CONCLUSIONS .....</b>	<b>10</b>
<b>7.0 REFERENCES .....</b>	<b>11</b>

## **I. ESA Preparer Qualifications & Declarations:**

This Environmental Assessment was prepared using appropriate inquiry and under the direction and supervision of Douglas P. D'Hondt, P.E. L.E.G, who is a registered professional engineer and a licensed engineering geologist, in the State of Washington. Mr. D'Hondt has a Masters of Science Degree in Engineering from University of Washington and more than 25 years of ongoing engineering experience including preparing Environmental Site Assessments in accordance with ASTM E-1527.

We declare that to the best of our professional knowledge and belief we meet the definition of Environmental Professionals as defined in §312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Respectfully Submitted:



Douglas P. D'Hondt P.E., L.E.G.

## **1.0 INTRODUCTION**

---

One unregistered underground storage tank was removed from Pat Shields' property located at 1451 Mapleway Road, Yakima, Washington. This is a residential property that was formerly an orchard. The tank was located in the approximate center of southern portion the parcel. See Appendix C Site Map.

Professional engineers from PLSA Engineering and Surveying, experienced with local soil conditions and environmental water and soil sampling, collected soil samples from one foot below the bottom of each tank basin and immediately delivered them via courier to Anatek Laboratory (DOE Accredited Lab C585) for analysis.

The owner and contact person for this project is as follows:

Mr. Pat Shields  
1803 Preson Place  
Yakima, Washington 98903  
509 952 7616

### **1.1 TANK DESCRIPTION**

One steel tank, which contained gasoline, was located in a tank basin this tank was 72 inches in length and 48 inches in diameter containing approximately 500 gallons. The tank was in good condition with a slight coating of rust. The tank had punctures in the top from the backhoe that was used during the initial excavation.

### **1.2 SURFACE CONDITIONS**

Dirt covered the tank basin.

### **1.3 SUB-SURFACE CONDITIONS**

The tank basin extended into a stratum of silty soil with no bedding observed. Free groundwater was not observed in the excavation. No discolored soil was observed in the basin.

### **1.4 SAMPLING REQUIREMENTS AND PLAN**

Washington State Department of Ecology "[Guidance for Site Check/Site Assessment for UST](#)" was used to develop the sampling plan and procedures. Examination of soil excavated found that it was not stained but did have a petroleum odor. The tank was removed and stored onsite being cleaned at a later date. Three soil samples were collected from one foot below the bottom of the gasoline tank basin. One soil sample was collected at a depth of 10 feet at the north end of tank basin. Three soil samples were collected from a depth of 13 feet, at the bottom of the excavation pit. Sample locations are depicted in Appendix C. No piping was observed.

Sampling containers were supplied by Anatek Laboratory, WDOE accreditation C585 and were clean glass with Teflon lined, screwed caps. Each sample was obtained with a clean utensil. All

samples were packed in a chilled cooler with ice packs and shipped via courier to the Analytical Laboratory.

## **1.5 CONTAMINANT CHARACTERIZATION**

The initial sample was submitted to a laboratory for analysis for NWTPH-Gx and TCLP Lead. Lead was not detected in the sample and no further testing was completed in the further samples for this component. There was TPH detected in all samples from the tank basin and at 10 feet. The samples at 13 feet were all non-detect except for Toluene and these levels were well below MTCA (Model Toxics Control Act) Method A cleanup levels. Groundwater was not found at the 13 foot depth and therefor was not sampled.

## **2.0 SITE CONDITION**

---

### **2.1 Site Description**

The south boundary of the Pat Shields property is located on Mapleway Road, general site location is indicated in (Figure 1).

The location of the elevated soil samples indicated above (Figure 2). Photograph exhibits are presented in Appendix A. The site is relatively flat with a slight slope to the southwest. No buildings are located on subject property.

### **2.2 Regional Physiographic and Geologic Conditions**

The Yakima Valley, being a part of the Columbia Basin Plateau, also contains several productive aquifers in the interbeds between the various basalt flows that make up the Columbia River Basalt Group. The average groundwater gradient of the various aquifers varies in direction and distance below ground surface, and with respect to irrigation seasons; but is generally toward the Naches River which is located approximately 1.31 miles to the Southwest. Contamination plumes, should they exist in the groundwater, would likely migrate in that direction. Free groundwater is estimated to be encountered approximately 14-20 feet below the existing ground surface.

General and specific information regarding surface and subsurface conditions at the site are available from several sources. General soil data is given in the Natural Resource Conservation Service (NRCS) publication entitled Soil Survey of Yakima County Area, Washington. These sources present generally consistent findings regarding subsurface conditions.

NRCS classifies the native soil present as “Esquatzel silt loam”

## **3.0 FIELD WORK**

---

### **3.1 Sampling Procedures**

Initial soil samples were obtained from soil disturbed when the tank was uncovered and punctured. Field work was completed in one phase, the site was over excavated past the depth of sampling from tank removal using a backhoe, for the purpose of discrete grab soil samples being obtained. Due to the subfreezing temperatures, a PID was not used for sampling. However visual and olfactory assessments were completed on every backhoe bucket of soil removed from excavation.

### **3.2 Pre-Excavation/Drilling Activities**

Prior to commencing excavation of USTs, utility locates were performed to identify underground utilities at the proposed excavation location.

### **3.3 Excavation Soil Sampling Procedures**

Once the tank was removed, 3-Discrete grab soil samples were obtained at each end and middle of tank bed at approximately 5 feet bgs., using clean tools with each sample. The excavation then continued to a depth of 13 feet. A soil sample was obtained at 10 feet bgs at the north end of the tank as this was where the largest amount of contamination was noted. Since PID was not used this sample was taken to confirm the presence of PCS as the smell of gasoline was still present at this depth. Samples were also obtained at 13 feet bgs to confirm the extent of the plume was reached. No ground water was observed at 13 feet depth. The final measurements of the excavated pit were 16' x 17' x 13'. The pit was excavated approximately 10 feet to the west and 5 feet to the north of the original tank location. The soil removed during excavation was hauled to Anderson Rock for land farming.

### **3.4 Sample Containers and Labeling**

Soil samples were placed into containers supplied by the analytical Laboratory and sample container labels were completed at the time of collection using a permanent waterproof pen/marker. Sample labels contained the following information:

- Project name
- Sample identification
- Date and time of collection
- Analysis requested (for each sample)

### **3.5 Sample Storage**

Immediately following sample collection, sample containers were placed into a chilled cooler for storage prior to delivery to the analytical laboratory.

### **3.6 Sample Shipment and delivery**

Samples collected during this investigation were sent by a courier to Anatek Laboratory, the analytical laboratory.



### **3.7 Disposal of Investigation-Derived Waste**

Incidental trash generated during this investigation (including discarded nitrile gloves, used plastic bags, paper towels) were placed in plastic trash bags and disposed of as solid waste.

## **4.0 REMOVAL AND DISPOSAL OF SOIL, FLUID AND TANK**

---

On November 21, 2018 Ken Leingang Excavating (KLE) was on site to excavate and remove the leaking tank and the resulting contaminated soils. A total of 91.88 tons of Petroleum Contaminated Soil (PCS) was removed and disposed of at Anderson Rock & Demolition Pits in Yakima, Wa. (Appendix C)

On December 11, 2018 Emerald Services Inc. out of Tacoma Washington was onsite to clean and remove contaminated fuel and the gasoline tank that was stored onsite. (see figures 7, and 15-18). The tank was opened after being made inert by filling with 40 lbs. of dry ice. The tank was then cleansed so it could be removed from site. The drums of contaminated fuel were pumped and cleansed as well. The contaminants were disposed of by Emerald Services Inc. The tank was taken to Pacific Steel and Recycling and the contaminated fuel, 213 gallons was disposed of at Emerald in Seattle, Wa. (Appendix C)

## 5.0 ANALYTICAL DATA

---

A data review was performed for chemical data collected for this project; laboratory data reports and data quality summary are provided in Appendix B.

The initial soil sample collected at 3 feet below ground surface was non detect for Lead, no other samples were tested for lead.

Sample N Tank 10' was a sample that was taken at a depth of 10 feet at the approximate location of the north end of where the tank would have been, this sample was obtained to confirm the continued smell of gasoline. After taking this sample, the pit was excavated another 3 feet and the remaining samples were obtained.

The N Center sample was taken from the approximate area of the north end of the tank at 13 feet below ground surface.

Sample Name	Sample Matrix Code	Sample Date	Depth	Depth Unit	Benzene	Ethylbenzene	MTBE	Toluene	Total Xylene	TCLP Lead	Gasoline	Units	Sampling Method	Sampler
Shields	Soil	10/24/2018 16:15	3	ft	928	1370	ND	5700	7360	ND	95300	mg/kg	PA 8021/NWTPHGBTEX	Sarah Clary
N TANK	Soil	11/21/2018 10:05	5	ft	218	170	ND	356	765		21500	mg/kg	NWTPHGBTEX	Sarah Clary
M TANK	Soil	11/21/2018 10:03	5	ft	0.2456	0.0643	ND	0.762	5		144	mg/kg	NWTPHGBTEX	Sarah Clary
S TANK	Soil	11/21/2018 10:00	5	ft	ND	ND	ND	0.0583	0.0405		100	mg/kg	NWTPHGBTEX	Sarah Clary
N TANK 10'	Soil	11/21/2018 07:30	10	ft	0.0456	0.0862	ND	0.126	0.116		ND	mg/kg	NWTPHGBTEX	Sarah Clary
SW COR	Soil	11/26/2018 07:40	13	ft	ND	ND	ND	0.0412	ND		ND	mg/kg	NWTPHGBTEX	Sarah Clary
NW COR	Soil	11/26/2018 07:35	13	ft	ND	ND	ND	0.0632	ND		ND	mg/kg	NWTPHGBTEX	Sarah Clary
N CENTER	Soil	11/26/2018 07:45	13	ft	ND	ND	ND	0.0691	ND		ND	mg/kg	NWTPHGBTEX	Sarah Clary
			MTCA Cleanup Level Method A		0.03	6		7	9	250	100	mg/kg		

## 6.0 FINDINGS AND CONCLUSIONS

---

### *Findings*

A *recognized environmental condition (REC)* refers to the presence or likely presence of any hazardous substance or petroleum product on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property. The term REC includes hazardous substances and petroleum products even under conditions that might be in compliance with laws. The term is not intended to include "de minimis" conditions that do not present a threat to human health and/or the environment and that would not be subject to an enforcement action if brought to the attention of appropriate governmental agencies. One REC was identified as part of the Phase II investigation.

An *environmental issue* refers to environmental concerns identified by PLSA, which do not qualify as RECs; however, require discussion.

No Environmental Issues were found during this investigation.

### *Conclusions, Opinions and Recommendations*

This assessment has revealed no further evidence of Gasoline or its derivatives above MTCA cleanup levels on subject property. The pit was filled in using clean soil from other areas onsite. No soil was brought onto the site from others. No further action is recommended.

## 7.0 REFERENCES

---

Washington State Department of Ecology Central Region, 15 West Yakima Avenue, Yakima, Washington (509) 575-2490

United States Environmental Protection Agency – Region 10, 1200 Sixth Avenue, Suite 900, Seattle, Washington 98101, (206) 553-1200

### **Reference Documents**

American Society for Testing and Materials, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation: E-1527-13.

United States Geological Survey Topographic Map 1995, 7.5 minute series, Quadrangle Yakima West Washington, Yakima County, Washington, AMS 1877II SE Series V891, scale 1:24,000, U.S. Geological Survey

**APPENDIX A:**  
**VICINITY MAP**  
**SITE MAP**  
**FIGURES**

**\*\*\***

- FIGURE 1 :** Excavation Site Location Map  
**FIGURE 2 :** Excavation Vicinity Location Map  
**FIGURE 3 :** Excavating Tank  
**FIGURE 4 :** Excavating Tank  
**FIGURE 5 :** Pumping Fuel from Tank  
**FIGURE 6 :** Removing empty tank  
**FIGURE 7 :** Tank and Barrels stored onsite  
**FIGURE 8 :** Tank pit  
**FIGURE 9 :** North end of Tank  
**FIGURE 10 :** West side of Tank  
**FIGURE 11 :** Northeast end of Tank  
**FIGURE 12 :** Excavated contaminated area facing west  
**FIGURE 13 :** Excavated contaminated area facing north  
**FIGURE 14 :** Tank cut for cleanout after inerting with dry ice  
**FIGURE 15 :** Sediment inside tank  
**FIGURE 16 :** Cleaning out tank  
**FIGURE 17 :** Cleaning out barrels  
**FIGURE 18 :** Cleaned tank for disposal



**PLSA**

ENGINEERING-SURVEYING-PLANNING  
521 NORTH 20TH AVENUE, YAKIMA, WA (509) 575-6990

**FIGURE 1**  
**VICINITY MAP**

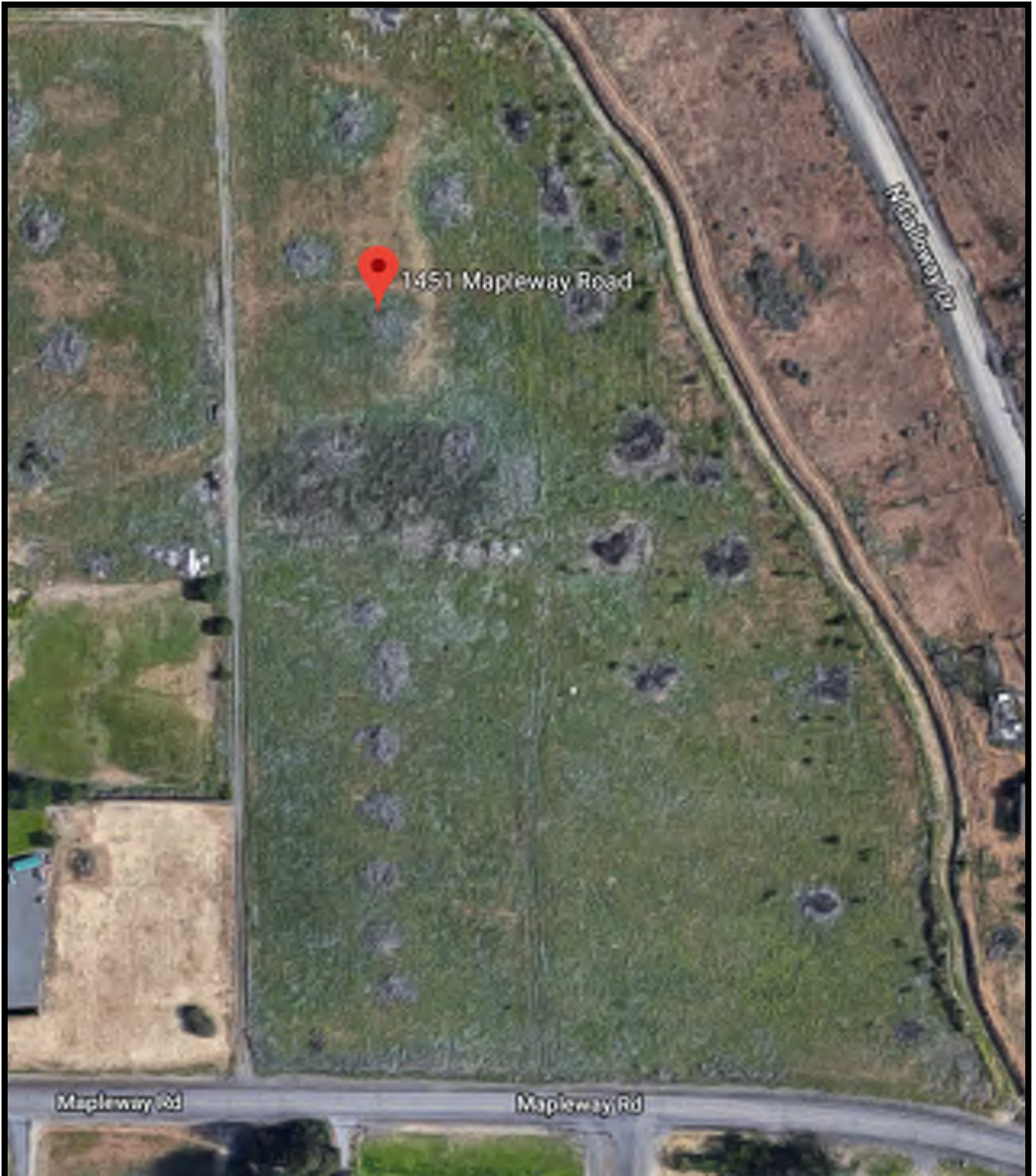
1451 Mapleway Road  
PREPARED FOR  
Mr. Pat Shields

Date: 12/11/2018

Yakima County Parcel 181433-34416

PLSA Project No. 18401





# PLSA

ENGINEERING-SURVEYING-PLANNING  
521 NORTH 20TH AVENUE, YAKIMA, WA (509) 575-6990

## **FIGURE 2** **SITE MAP**

1451 Mapleway Road  
PREPARED FOR  
Mr. Pat Shields



Figure 3: Excavating Tank



Figure 4: Excavating Tank





Figure 5: Pumping Fuel from Tank



Figure 6: Removing empty tank



Figure 7: Tank and Barrels stored onsite



Figure 8: Tank pit





Figure 9: North end of Tank



Figure 10: West side of Tank



Figure 11: Northeast end of Tank



Figure 12: Excavated contaminated area facing west



Figure 13: Excavated contaminated area facing north



Figure 14: Tank cut for cleanout after inerting with dry ice





Figure 15: Sediment inside tank



Figure 16: Cleaning out tank





Figure 17: Cleaning out barrels



Figure 18: Cleaned tank for disposal

## **APPENDIX B:**

## **ANALYTICAL RESULTS**

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181026050  
**Project Name:** SHIELDS

## Analytical Results Report

Sample Number	181026050-001	Sampling Date	10/24/2018	Date/Time Received	10/26/2011 1:00 AM		
Client Sample ID	SHEILDS	Sampling Time	4:15 PM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	928	mg/kg	27	11/1/2018 3:03:00 PM	ARY	EPA 8021	S8
Ethylbenzene	1370	mg/kg	27	11/1/2018 3:03:00 PM	ARY	EPA 8021	S8
m+p-Xylene	5390	mg/kg	54	11/1/2018 3:03:00 PM	ARY	EPA 8021	S8
methyl-t-butyl ether (MTBE)	ND	mg/kg	27	11/1/2018 3:03:00 PM	ARY	EPA 8021	S8
o-Xylene	1970	mg/kg	27	11/1/2018 3:03:00 PM	ARY	EPA 8021	S8
Toluene	5700	mg/kg	27	11/1/2018 3:03:00 PM	ARY	EPA 8021	S8
Total Xylene	7360	mg/kg	27	11/1/2018 3:03:00 PM	ARY	EPA 8021	S8
TCLP Lead	ND	ppm	0.5	11/1/2018 2:44:00 PM	BAG	EPA 6020A	S8
Gasoline	580	mg/kg	5	11/1/2018 5:48:00 AM	SAT	EPA 8015D	
Gasoline	95300	mg/kg	2.7	11/1/2018 3:03:00 PM	ARY	NWTPHG	S8
%moisture	11.5	Percent		10/29/2018 2:35:00 PM	ARY	%moisture	

## Surrogate Data

Sample Number	181026050-001		
Surrogate Standard	Method	Percent Recovery	Control Limits
4-Bromofluorobenzene	EPA 8015D	94.4	50-150
4-Bromofluorobenzene	EPA 8021	0.8	70-130
4-Bromofluorobenzene	NWTPHG	0.0	50-150

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

---

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181026050  
**Project Name:** SHIELDS

## Analytical Results Report

Authorized Signature



Kathleen A. Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level  
ND Not Detected  
PQL Practical Quantitation Limit  
S8 Dilution required such that the surrogate recovery calculation does not provide useful information. Blank spike surr recovery acceptable

This report shall not be reproduced except in full, without the written approval of the laboratory.  
The results reported relate only to the samples indicated.  
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

## Login Report

**Customer Name:** PLSA ENGINEERING AND SURVEYING  
521 NORTH 20TH AVE SUITE 3  
YAKIMA WA 98902

**Order ID:** 181026050  
**Order Date:** 10/26/2018

**Contact Name:** SARAH CLARY

**Project Name:** SHIELDS

**Comment:** TCLP GASOLINE SUBCONTRACTED TO ANATEK-M

**Sample #:** 181026050-001 **Customer Sample #:** SHEILDS

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 10/24/2018  
**Quantity:** 1 **Date Received:** 10/26/2018 11:00:00 AM **Time Collected:** 4:15 PM  
**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	11/2/2018	<u><b>5 Days</b></u>
BTEX 8021	S	EPA 8021	11/2/2018	<u><b>5 Days</b></u>
TCLP Lead	S	EPA 6020A	11/2/2018	<u><b>5 Days</b></u>
TPHG MOSC	M	EPA 8015D	11/2/2018	<u><b>5 Days</b></u>
TPHG-NW-SPO	S	NWTPHG	11/2/2018	<u><b>5 Days</b></u>

## SAMPLE CONDITION RECORD

Samples received in a cooler?	NO
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	15.0/15.1
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Labels and chain agree?	Yes
Total number of containers?	1



### Chain of Custody Record

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246  
504 E. Surague Ste D, Spokane WA 99207 (509) 838-3999 FAX 838-4433

10

[illegible]

Samples submitted to Ametek Labs may be subcontracted to other accredited labs if necessary. This message serves as notice of this possibility. Sub-contractor analyses will be clearly noted on the analytical report.

SHIELDS

PLSA	Last Due	1st RCD	1st RCD
31026 050	11/2/2018	10/26/2018	10/26/2018
31026 050	11/2/2018	10/26/2018	10/26/2018

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181127046  
**Project Name:** SHIELDS-MAPLEWAY

## Analytical Results Report

Sample Number	181127046-001	Sampling Date	11/21/2018		Date/Time Received	11/27/20112:25 PM		
Client Sample ID	N TANK	Sampling Time	10:05 AM		Extraction Date			
Matrix	Soil	Sample Location						
Comments								
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier	
Benzene	21800	µg/Kg	204	12/3/2018 11:00:00 PM	ARY	EPA 8021		
Ethylbenzene	170000	µg/Kg	832.5	12/3/2018 11:00:00 PM	ARY	EPA 8021		
m+p-Xylene	511000	µg/Kg	1665	12/3/2018 11:00:00 PM	ARY	EPA 8021		
methyl-t-butyl ether (MTBE)	ND	µg/Kg	204	12/3/2018 11:00:00 PM	ARY	EPA 8021		
o-Xylene	254000	µg/Kg	832.5	12/3/2018 11:00:00 PM	ARY	EPA 8021		
Toluene	356000	µg/Kg	832.5	12/3/2018 11:00:00 PM	ARY	EPA 8021		
Total Xylene	765000	µg/Kg	832.5	12/3/2018 11:00:00 PM	ARY	EPA 8021		
Gasoline	21500	mg/kg	637.5	12/4/2018 6:01:00 PM	ARY	NWTPHG	S8	

## Surrogate Data

<b>Sample Number</b>	181127046-001			
Surrogate Standard	Method	Percent Recovery	Control Limits	
4-Bromofluorobenzene	EPA 8021	75.6	70-130	
4-Bromofluorobenzene	NWTPHG	178.0	50-150	

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181127046  
**Project Name:** SHIELDS-MAPLEWAY

## Analytical Results Report

Sample Number	181127046-002	Sampling Date	11/21/2018		Date/Time Received	11/27/20112:25 PM		
Client Sample ID	M TANK	Sampling Time	10:03 AM		Extraction Date			
Matrix	Soil	Sample Location						
Comments								
	Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
	Benzene	245	µg/Kg	25	12/3/2018 5:56:00 PM	ARY	EPA 8021	
	Ethylbenzene	64.3	µg/Kg	25	12/3/2018 5:56:00 PM	ARY	EPA 8021	
	m+p-Xylene	1800	µg/Kg	50	12/3/2018 5:56:00 PM	ARY	EPA 8021	
	methyl-t-butyl ether (MTBE)	ND	µg/Kg	25	12/3/2018 5:56:00 PM	ARY	EPA 8021	
	o-Xylene	3190	µg/Kg	25	12/3/2018 5:56:00 PM	ARY	EPA 8021	
	Toluene	762	µg/Kg	25	12/3/2018 5:56:00 PM	ARY	EPA 8021	
	Total Xylene	5000	µg/Kg	25	12/3/2018 5:56:00 PM	ARY	EPA 8021	
	Gasoline	144	mg/kg	2.5	12/3/2018 5:56:00 PM	ARY	NWTPHG	

## Surrogate Data

<b>Sample Number</b>	181127046-002			
Surrogate Standard	Method	Percent Recovery	Control Limits	
4-Bromofluorobenzene	EPA 8021	104.0	70-130	
4-Bromofluorobenzene	NWTPHG	105.5	50-150	



# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181127046  
**Project Name:** SHIELDS-MAPLEWAY

## Analytical Results Report

Sample Number	181127046-003	Sampling Date	11/21/2018		Date/Time Received	11/27/2011 12:25 PM		
Client Sample ID	S TANK	Sampling Time	10:00 AM		Extraction Date			
Matrix	Soil	Sample Location						
Comments								
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier	
Benzene	ND	µg/Kg	25	12/3/2018 6:34:00 PM	ARY	EPA 8021		
Ethylbenzene	ND	µg/Kg	25	12/3/2018 6:34:00 PM	ARY	EPA 8021		
m+p-Xylene	ND	µg/Kg	50	12/3/2018 6:34:00 PM	ARY	EPA 8021		
methyl-t-butyl ether (MTBE)	ND	µg/Kg	25	12/3/2018 6:34:00 PM	ARY	EPA 8021		
o-Xylene	40.5	µg/Kg	25	12/3/2018 6:34:00 PM	ARY	EPA 8021		
Toluene	58.3	µg/Kg	25	12/3/2018 6:34:00 PM	ARY	EPA 8021		
Total Xylene	40.5	µg/Kg	25	12/3/2018 6:34:00 PM	ARY	EPA 8021		
Gasoline	ND	mg/kg	2.5	12/3/2018 6:34:00 PM	ARY	NWTPHG		

## Surrogate Data

<b>Sample Number</b>	181127046-003			
Surrogate Standard	Method	Percent Recovery	Control Limits	
4-Bromofluorobenzene	EPA 8021	91.2	70-130	
4-Bromofluorobenzene	NWTPHG	93.9	50-150	

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181127046  
**Project Name:** SHIELDS-MAPLEWAY

## Analytical Results Report

Sample Number	181127046-004	Sampling Date	11/21/2018	Date/Time Received	11/27/2011 12:25 PM		
Client Sample ID	N TANK 10'	Sampling Time	7:30 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	45.6	µg/Kg	25	12/3/2018 7:12:00 PM	ARY	EPA 8021	
Ethylbenzene	ND	µg/Kg	25	12/3/2018 7:12:00 PM	ARY	EPA 8021	
m+p-Xylene	86.2	µg/Kg	50	12/3/2018 7:12:00 PM	ARY	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/Kg	25	12/3/2018 7:12:00 PM	ARY	EPA 8021	
o-Xylene	29.7	µg/Kg	25	12/3/2018 7:12:00 PM	ARY	EPA 8021	
Toluene	126	µg/Kg	25	12/3/2018 7:12:00 PM	ARY	EPA 8021	
Total Xylene	116	µg/Kg	25	12/3/2018 7:12:00 PM	ARY	EPA 8021	
Gasoline	ND	mg/kg	2.5	12/3/2018 9:06:00 PM	ARY	NWTPHG	

## Surrogate Data

<b>Sample Number</b>	181127046-004			
Surrogate Standard	Method	Percent Recovery	Control Limits	
4-Bromofluorobenzene	EPA 8021	94.4	70-130	
4-Bromofluorobenzene	NWTPHG	96.5	50-150	

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181127046  
**Project Name:** SHIELDS-MAPLEWAY

## Analytical Results Report

Sample Number	181127046-005	Sampling Date	11/26/2018		Date/Time Received	11/27/20112:25 PM		
Client Sample ID	SW COR	Sampling Time	7:40 AM		Extraction Date			
Matrix	Soil	Sample Location						
Comments								
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier	
Benzene	ND	µg/Kg	25	12/3/2018 7:50:00 PM	ARY	EPA 8021		
Ethylbenzene	ND	µg/Kg	25	12/3/2018 7:50:00 PM	ARY	EPA 8021		
m+p-Xylene	ND	µg/Kg	50	12/3/2018 7:50:00 PM	ARY	EPA 8021		
methyl-t-butyl ether (MTBE)	ND	µg/Kg	25	12/3/2018 7:50:00 PM	ARY	EPA 8021		
o-Xylene	ND	µg/Kg	25	12/3/2018 7:50:00 PM	ARY	EPA 8021		
Toluene	41.2	µg/Kg	25	12/3/2018 7:50:00 PM	ARY	EPA 8021		
Total Xylene	ND	µg/Kg	25	12/3/2018 7:50:00 PM	ARY	EPA 8021		
Gasoline	ND	mg/kg	2.5	12/3/2018 7:50:00 PM	ARY	NWTPHG		

## Surrogate Data

<b>Sample Number</b>	181127046-005			
Surrogate Standard	Method	Percent Recovery	Control Limits	
4-Bromofluorobenzene	EPA 8021	87.5	70-130	
4-Bromofluorobenzene	NWTPHG	88.6	50-150	

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181127046  
**Project Name:** SHIELDS-MAPLEWAY

## Analytical Results Report

Sample Number	181127046-006	Sampling Date	11/26/2018	Date/Time Received	11/27/2011 12:25 PM		
Client Sample ID	NW COR	Sampling Time	7:35 AM	Extraction Date			
Matrix	Soil	Sample Location					
Comments							
Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	µg/Kg	25	12/3/2018 8:28:00 PM	ARY	EPA 8021	
Ethylbenzene	ND	µg/Kg	25	12/3/2018 8:28:00 PM	ARY	EPA 8021	
m+p-Xylene	ND	µg/Kg	50	12/3/2018 8:28:00 PM	ARY	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/Kg	25	12/3/2018 8:28:00 PM	ARY	EPA 8021	
o-Xylene	ND	µg/Kg	25	12/3/2018 8:28:00 PM	ARY	EPA 8021	
Toluene	63.2	µg/Kg	25	12/3/2018 8:28:00 PM	ARY	EPA 8021	
Total Xylene	ND	µg/Kg	25	12/3/2018 8:28:00 PM	ARY	EPA 8021	
Gasoline	ND	mg/kg	2.5	12/3/2018 8:28:00 PM	ARY	NWTPHG	

## Surrogate Data

<b>Sample Number</b>	181127046-006			
Surrogate Standard	Method	Percent Recovery	Control Limits	
4-Bromofluorobenzene	EPA 8021	96.1	70-130	
4-Bromofluorobenzene	NWTPHG	97.3	50-150	

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

**Client:** PLSA ENGINEERING AND SURVEYING  
**Address:** 521 NORTH 20TH AVE SUITE 3  
YAKIMA, WA 98902  
**Attn:** SARAH CLARY

**Batch #:** 181127046  
**Project Name:** SHIELDS-MAPLEWAY

## Analytical Results Report

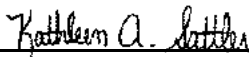
<b>Sample Number</b>	181127046-007	<b>Sampling Date</b>	11/26/2018	<b>Date/Time Received</b>	11/27/20112:25 PM
<b>Client Sample ID</b>	N CENTER	<b>Sampling Time</b>	7:45 AM	<b>Extraction Date</b>	
<b>Matrix</b>	Soil	<b>Sample Location</b>			
<b>Comments</b>					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Benzene	ND	µg/Kg	25	12/3/2018 9:06:00 PM	ARY	EPA 8021	
Ethylbenzene	ND	µg/Kg	25	12/3/2018 9:06:00 PM	ARY	EPA 8021	
m+p-Xylene	ND	µg/Kg	50	12/3/2018 9:06:00 PM	ARY	EPA 8021	
methyl-t-butyl ether (MTBE)	ND	µg/Kg	25	12/3/2018 9:06:00 PM	ARY	EPA 8021	
o-Xylene	ND	µg/Kg	25	12/3/2018 9:06:00 PM	ARY	EPA 8021	
Toluene	69.1	µg/Kg	25	12/3/2018 9:06:00 PM	ARY	EPA 8021	
Total Xylene	ND	µg/Kg	25	12/3/2018 9:06:00 PM	ARY	EPA 8021	
Gasoline	ND	mg/kg	2.5	12/3/2018 9:06:00 PM	ARY	NWTPHG	

## Surrogate Data

Sample Number	181127046-007		
Surrogate Standard	Method	Percent Recovery	Control Limits
4-Bromofluorobenzene	EPA 8021	103.0	70-130
4-Bromofluorobenzene	NWTPHG	105.0	50-150

Authorized Signature



Kathleen A. Sattler, Lab Manager

MCL EPA's Maximum Contaminant Level  
ND Not Detected  
PQL Practical Quantitation Limit  
S8 Dilution required such that the surrogate recovery calculation does not provide useful information. Blank spike surr recovery acceptable

This report shall not be reproduced except in full, without the written approval of the laboratory.  
The results reported relate only to the samples indicated.  
Soil/solid results are reported on a dry-weight basis unless otherwise noted.

# Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com  
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

## Login Report

**Customer Name:** PLSA ENGINEERING AND SURVEYING  
521 NORTH 20TH AVE SUITE 3  
YAKIMA WA 98902

**Order ID:** 181127046  
**Order Date:** 11/27/2018

**Contact Name:** SARAH CLARY

**Project Name:** SHIELDS-MAPLEWAY

**Comment:**

---

**Sample #:** 181127046-001 **Customer Sample #:** N TANK

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 11/21/2018  
**Quantity:** 1 **Date Received:** 11/27/2018 12:25:00 PM **Time Collected:** 10:05 AM  
**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/7/2018	<u>Normal (~10 Days)</u>
BTEX 8021	S	EPA 8021	12/7/2018	<u>Normal (~10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/7/2018	<u>Normal (~10 Days)</u>

---

**Sample #:** 181127046-002 **Customer Sample #:** M TANK

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 11/21/2018  
**Quantity:** 1 **Date Received:** 11/27/2018 12:25:00 PM **Time Collected:** 10:03 AM  
**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/7/2018	<u>Normal (~10 Days)</u>
BTEX 8021	S	EPA 8021	12/7/2018	<u>Normal (~10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/7/2018	<u>Normal (~10 Days)</u>

---

**Sample #:** 181127046-003 **Customer Sample #:** S TANK

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 11/21/2018  
**Quantity:** 1 **Date Received:** 11/27/2018 12:25:00 PM **Time Collected:** 10:00 AM  
**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/7/2018	<u>Normal (~10 Days)</u>
BTEX 8021	S	EPA 8021	12/7/2018	<u>Normal (~10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/7/2018	<u>Normal (~10 Days)</u>

**Customer Name:** PLSA ENGINEERING AND SURVEYING  
521 NORTH 20TH AVE SUITE 3  
YAKIMA WA 98902

**Order ID:** 181127046  
**Order Date:** 11/27/2018

**Contact Name:** SARAH CLARY

**Project Name:** SHIELDS-MAPLEWAY

**Comment:**

---

**Sample #:** 181127046-004 **Customer Sample #:** N TANK 10'

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 11/21/2018

**Quantity:** 1 **Date Received:** 11/27/2018 12:25:00 PM **Time Collected:** 7:30 AM

**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/7/2018	<u>Normal (~10 Days)</u>
BTEX 8021	S	EPA 8021	12/7/2018	<u>Normal (~10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/7/2018	<u>Normal (~10 Days)</u>

---

**Sample #:** 181127046-005 **Customer Sample #:** SW COR

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 11/26/2018

**Quantity:** 1 **Date Received:** 11/27/2018 12:25:00 PM **Time Collected:** 7:40 AM

**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/7/2018	<u>Normal (~10 Days)</u>
BTEX 8021	S	EPA 8021	12/7/2018	<u>Normal (~10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/7/2018	<u>Normal (~10 Days)</u>

---

**Sample #:** 181127046-006 **Customer Sample #:** NW COR

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 11/26/2018

**Quantity:** 1 **Date Received:** 11/27/2018 12:25:00 PM **Time Collected:** 7:35 AM

**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/7/2018	<u>Normal (~10 Days)</u>
BTEX 8021	S	EPA 8021	12/7/2018	<u>Normal (~10 Days)</u>
TPHG-NW-SPO	S	NWTPHG	12/7/2018	<u>Normal (~10 Days)</u>

---

**Sample #:** 181127046-007 **Customer Sample #:** N CENTER

**Recv'd:** ☒ **Matrix:** Soil **Collector:** SARAH CLARY **Date Collected:** 11/26/2018

**Quantity:** 1 **Date Received:** 11/27/2018 12:25:00 PM **Time Collected:** 7:45 AM

**Comment:**

Test	Lab	Method	Due Date	Priority
%Moisture	S	%moisture	12/7/2018	<u>Normal (~10 Days)</u>

**Customer Name:** PLSA ENGINEERING AND SURVEYING  
521 NORTH 20TH AVE SUITE 3  
YAKIMA WA 98902

**Order ID:** 181127046  
**Order Date:** 11/27/2018

**Contact Name:** SARAH CLARY

**Project Name:** SHIELDS-MAPLEWAY

**Comment:**

BTEX 8021	S	EPA 8021	12/7/2018	<u><b>Normal (~10 Days)</b></u>
TPHG-NW-SPO	S	NWTPHG	12/7/2018	<u><b>Normal (~10 Days)</b></u>

### **SAMPLE CONDITION RECORD**

---

Samples received in a cooler?	Yes
Samples received intact?	Yes
What is the temperature of the sample(s)? (°C)	13.3
Samples received with a COC?	Yes
Samples received within holding time?	Yes
Are all sample bottles properly preserved?	Yes
Labels and chain agree?	Yes
Total number of containers?	7





### *Chain of Custody Record*

1282 Alturas Drive, Moscow ID 83843 (208) 883-2839 FAX 882-9246

504 E Sprague Ste D, Spokane WA 99202 (509) 838-3999 FAX 838-4433

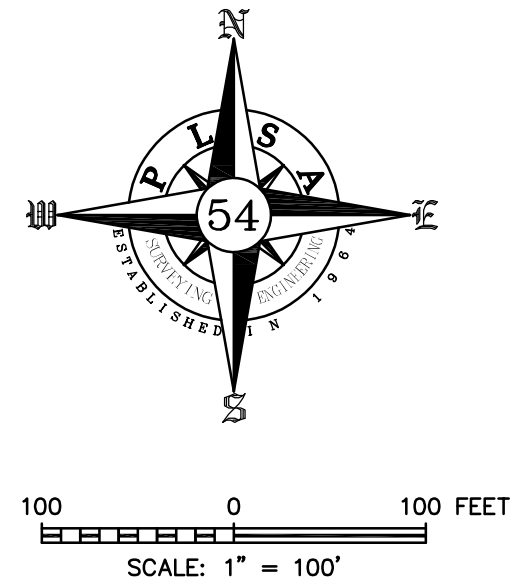
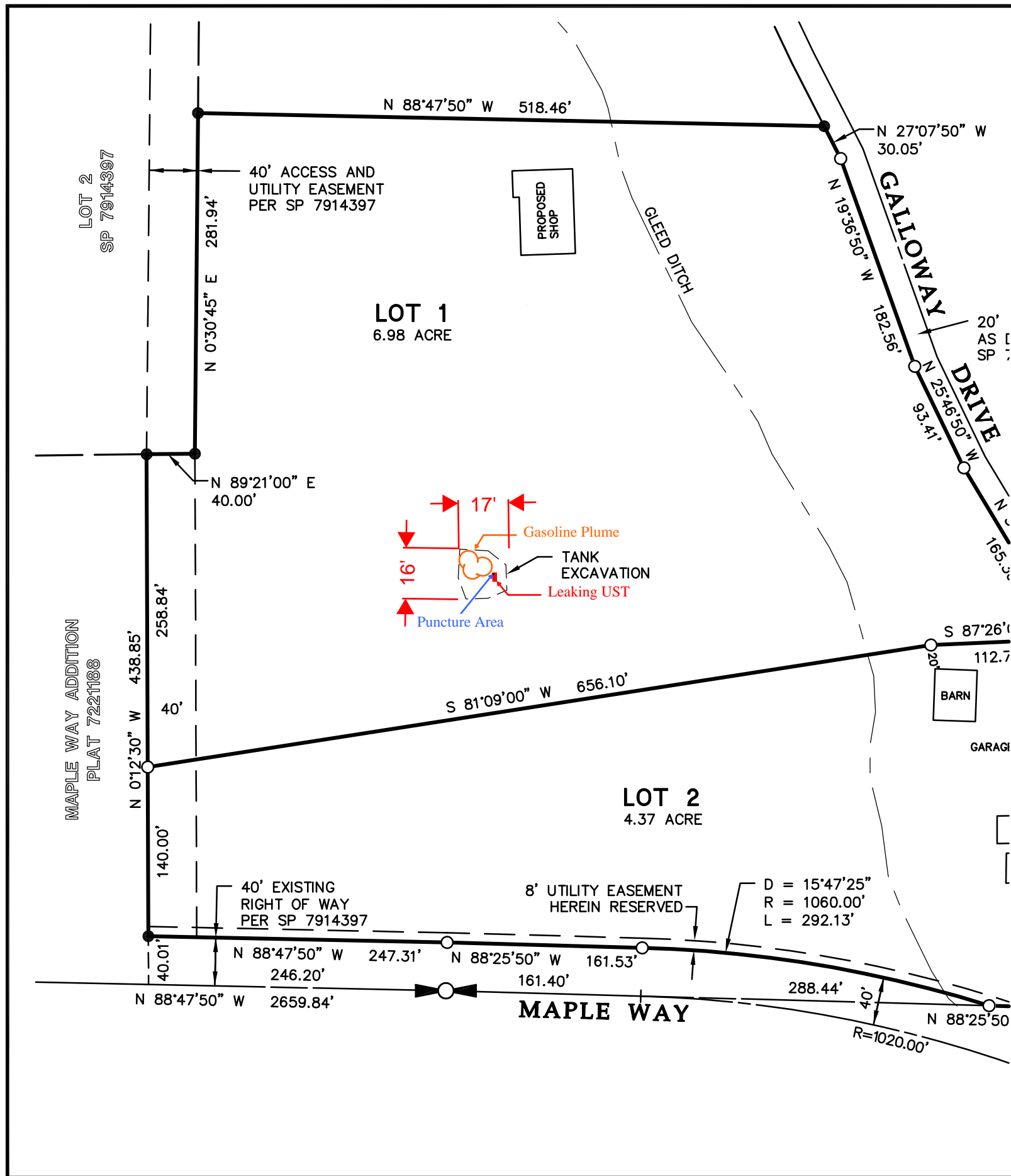
31127 046 **PLSA** Last Due 12/7/2018

1st SAMP 11/21/201 1st RCVD 11/27/2018

SHIELDS-MAPLEWAY

[illegible]

**APPENDIX C:**  
**REMEDIATION & DISPOSAL PAPERWORK**  
**Sample Location Maps**



LUST Dimensions: 6' x 4' approximately 500 gallon tank  
2 punctures: one approximately 1.5' x 6" the other approximately 6" x 3"  
Gasoline Plume approximately 10' x 10' x 13'  
Excavation area: 17' x 16' x 13' depth

<b>PLSA</b>		ENGINEERING—SURVEYING—PLANNING 521 NORTH 20th AVENUE, SUITE 3 YAKIMA, WASHINGTON 98902 (509) 575-6990	
	<b>SITE MAP</b>		DRAWN BY: DTL
	PARCEL NO. 181433 - 34416		DATE: 12/11/2018
	— PREPARED FOR —		JOB NO. 18350
	<b>PAT SHIELDS</b>		SHEET NO.
SE 1/4, SW 1/4 & SW 1/4, SE 1/4 SEC. 33, T-14 N, R-18 E, WM		1 OF 1	





S Tank

3

M Tank

2

N Tank

1





SW COR

2

NW COR

3

N Center

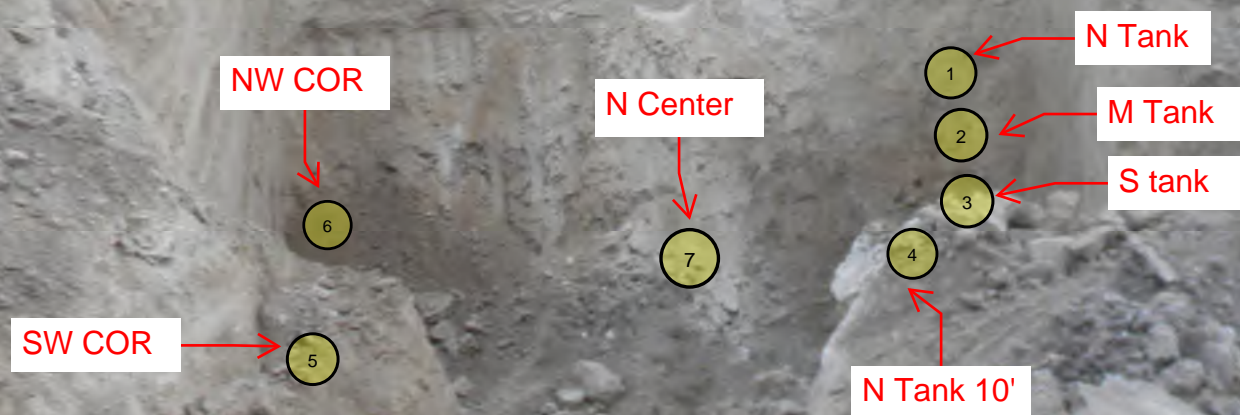
4

N Tank 10'

1



N Tank sample at 5 feet bgs  
M Tank sample at 5 feet bgs  
S Tank sample at 5 feet bgs  
N Tank 10' sample at 10 feet bgs  
N Center sample at 13 feet bgs  
NW COR sample at 13 feet bgs  
SW COR sample at 13 feet bgs





WEIGH TICKET N<sup>o</sup> 156010HAULED BY \_\_\_\_\_  
TRUCK NO. 81PUP

2:55 PM 11/21/2018



PETROLEUM CONTAMINATED SOILS SITE  
Shale Rock, Top Soil, Crushed Rock, Fill  
41 Rocky Top Raod • Yakima, Washington 98908  
Bus. (509) 965-3621 • Fax (509) 965-8656  
www.andersonrock.com

97520 lb G

DELIVER TO:

Ken Leinang

3:18 PM 11/21/2018

56660 28.33 Ton

40860 lb G

PRODUCT:

PCSWEIGHED BY \_\_\_\_\_  
DRIVER ☐ ON ☐ OFF

SIGNATURE \_\_\_\_\_

CERTIFIED PUBLIC SCALE

WEIGH TICKET N<sup>o</sup> 156012HAULED BY \_\_\_\_\_  
TRUCK NO. 401PUP

3:20 PM 11/21/2018



PETROLEUM CONTAMINATED SOILS SITE  
Shale Rock, Top Soil, Crushed Rock, Fill  
41 Rocky Top Raod • Yakima, Washington 98908  
Bus. (509) 965-3621 • Fax (509) 965-8656  
www.andersonrock.com

52260 lb G

DELIVER TO:

Ken Leinang

39780 lb T (HAW WT)

12480 lb H

16.24 Ton

PRODUCT:

PCSWEIGHED BY BS  
DRIVER ☒ ON ☐ OFF

SIGNATURE \_\_\_\_\_

CERTIFIED PUBLIC SCALE

WEIGH TICKET N<sup>o</sup> 156003HAULED BY \_\_\_\_\_  
TRUCK NO. 401PUP

1:01 PM 11/21/2018



PETROLEUM CONTAMINATED SOILS SITE  
Shale Rock, Top Soil, Crushed Rock, Fill  
41 Rocky Top Raod • Yakima, Washington 98908  
Bus. (509) 965-3621 • Fax (509) 965-8656  
www.andersonrock.com

95380 lb G

DELIVER TO:

Ken Leinang

1:34 PM 11/21/2018

55,600 -  
27.80

39780 lb G

PRODUCT:

PCSWEIGH TICKET N<sup>o</sup> 156000HAULED BY \_\_\_\_\_  
TRUCK NO. 81PUP

12:23 PM 11/21/2018



PETROLEUM CONTAMINATED SOILS SITE  
Shale Rock, Top Soil, Crushed Rock, Fill  
41 Rocky Top Raod • Yakima, Washington 98908  
Bus. (509) 965-3621 • Fax (509) 965-8656  
www.andersonrock.com

99940 lb G

DELIVER TO:

Ken Leinang

12:52 PM 11/21/2018

59020 29.51 Ton

40920 lb G

PRODUCT:

PCS



## PUMP AND RINSE CERTIFICATION

This is an on-site cleaning certificate. This certificate indicates that the following underground tank and or above ground tank has been rinsed from the top by EMERALD FIELD SERVICES DIVISION. The tank has been inspected to ensure that all foreign material / Liquids have been removed to the best of our ability and is cleaned to the customer's satisfaction.

• JOBSITE AND ADDRESS

1451 mapleway RD  
Yakima WA 98909

• JOB NUMBER:

1806215938

• TANK(S)

1 500 gallon tank

• DATE CLEANED:

12-11-18

• DATE INSPECTED:

12-11-18

• EFS TRUCK:

687013

• TANK CLEANER PRINT NAME:

Larry Miller

• TANK CLEANER SIGNATURE:

*[Signature]*

• INSPECTOR'S NAME:

Teddy Yin

• INSPECTOR'S SIGNATURE:

*[Signature]*

• CUSTOMER'S NAME:

Jeff Walker

• CUSTOMER'S SIGNATURE:

*[Signature]*

• TANK(S) LAST CONTAINED:

gas

Please note that this letter does not certify that the above tank(s) have been cleaned for disposal or that it (they) should not be considered gas-free.

Sincerely,  
Emerald Services, Inc.





409 Butterfield Road PO Box 407 Yakima, WA 98907 (509 453-1852)

PURCHASE TICKET		3515912
PURCHASE DATE	12/13/18	
PURCHASE TYPE	CASH	
Javier N		42

PURCHASED FROM	1410827
DREW BICKERSTAFF 5302 BRISTOL WAY CT Yakima, WA 98908	

QUANTITY					PRICING		
Purchased	UOM	Description	UOM	Per Unit	Amount		
440	LB	Scrap Iron	LB	0.0125	5.50		
		TOTAL QUANTITY	440	TOTAL AMOUNT		\$5.50	

TRANSACTION DATE AND TIME: 12/13/18 9:31 AM

I, the undersigned, affirm under the penalty of law that the property that is subject to this transaction is not to the best of my knowledge stolen property.

SELLER SIGNATURE

WITNESS SIGNATURE \_\_\_\_\_

Page 1

Thank you for choosing Pacific Steel & Recycling - Yakima

12/13/18 9:31 AM



**EMERALD**  
An Environmental Company

7343 E. MARGINAL WAY SOUTH  
SEATTLE, WASHINGTON 98108  
PH. (206) 832-3000  
FAX (206) 832-3030  
24 HOUR EMERGENCY PHONE: 1-888-832-3008

83275

### BILL OF LADING AND GALLONAGE TICKET

SHIPPER/GENERATOR		CONTACT		JOB #	
ADDRESS		PHONE#		LOAD #	
CITY, STATE, ZIP		DISPATCH		DATE	
CARRIER		PHONE#		DOCUMENT #	
CONSIGNEE		CONTACT		TRUCK #	
ADDRESS		PHONE#		PRODUCT TYPE	
CITY, STATE, ZIP				EST. GALLONS	

HM	ITEM #	U.S. DOT DESCRIPTION	#	TYPE	QTY.
X	A	UN1203, GASOLINE, 3, PG II	1	II	213 gal
	B				
	C				
	D				

A. WPQ # 602901 G DISP. CODE: 6726 # 128 C. WPQ # \_\_\_\_\_ DISP. CODE: \_\_\_\_\_  
B. WPQ # \_\_\_\_\_ DISP. CODE: \_\_\_\_\_ D. WPQ # \_\_\_\_\_ DISP. CODE: \_\_\_\_\_

### DISPOSAL

DUMP DELAY TIME \_\_\_\_\_

WASH OUT: YES ( ) NO ( )

TIME IN \_\_\_\_\_ TIME OUT \_\_\_\_\_

E. WATER \_\_\_\_\_ GALLONS LOCATION \_\_\_\_\_ TEST \_\_\_\_\_ DISP. CODE \_\_\_\_\_

F. SOLIDS \_\_\_\_\_ GALLONS LOCATION \_\_\_\_\_ TEST \_\_\_\_\_ DISP. CODE \_\_\_\_\_

\_\_\_\_\_ % SUSPENDED SOLIDS BY CENTRIFUGE + \_\_\_\_\_ GALS SEDIMENT

G. OIL/DIESEL/GAS \_\_\_\_\_ GALLONS LOCATION \_\_\_\_\_ TEST \_\_\_\_\_ DISP. CODE \_\_\_\_\_

HOC'S \_\_\_\_\_ PCB'S \_\_\_\_\_ B.S. & W. \_\_\_\_\_ API \_\_\_\_\_ LAB: Y / N

Shipper's Certification: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway, vessel and rail according to applicable international and national government regulations and this material is not regulated as a hazardous waste in accordance with WAC 173-303, 40 CFR, Part 261 or 40 CFR Part 761.

X Jeffrey Walker  
SHIPPER (PRINT NAME)  
X Teddy Yu  
CARRIER - DRIVER 1 (PRINT NAME)  
X \_\_\_\_\_  
CARRIER - DRIVER 2 (PRINT NAME)  
X \_\_\_\_\_  
CONSIGNEE (PRINT NAME)

X \_\_\_\_\_  
SIGNATURE  
X \_\_\_\_\_  
SIGNATURE  
X \_\_\_\_\_  
SIGNATURE  
X \_\_\_\_\_  
SIGNATURE

DATE: 12-11-18  
DATE: 12/11/18  
DATE: \_\_\_\_\_  
DATE: \_\_\_\_\_

CUSTOMER