

# UST DECOMMISSIONING AND SITE REMEDIATION REPORT

Queen Anne Storage Building  
1529 – 4<sup>th</sup> Avenue West  
Seattle, Washington 98119

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Prepared for: Seattle Public Library  
1000 Fourth Avenue, 11<sup>th</sup> Floor  
Seattle, Washington 98104-1109



September 22, 2015

Project Number 12-11002

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Environmental Scientists, Planners and Consultants

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## 1. INTRODUCTION

Beginning Monday, August 31, 2015, one underground storage tank (UST) was emptied and cleaned and 2 USTs were removed from the Queen Anne storage building property located at 1529 – 4<sup>th</sup> Avenue West in Seattle (Figure 1). During removal of the 2 tanks, contaminated soil was encountered and excavated and disposed of offsite.

This project was conducted by Saybr Contractors and Bill Kane from Eco Compliance Corporation. Saybr is an International Code Council-licensed (ICC-licensed) UST decommissioner. Mr. Kane is an ICC-licensed UST site assessor.

This work is subject to the terms of our standard consultant agreement.

## 2. UST DESCRIPTION, USE AND LOCATION

One UST is located beneath the concrete slab floor in the southwest corner of the basement of the building (Figure 2). The top of this tank is approximately 47 inches below grade. The diameter of the tank is approximately 37.5 inches, and its capacity is estimated at 500 gallons. The tank contained approximately 18 inches of diesel fuel. This tank was emptied and rinsed.

Two USTs removed from the property were located in a grass area along the north exterior of the building (see Figure 2). The tank closest to the building was approximately 60 inches in diameter and 16 feet in length (approximately 2,300 gallons), and contained approximately one inch of water and 15 inches of a diesel fuel/oil mix. The top of the tank was approximately 90 inches below grade.

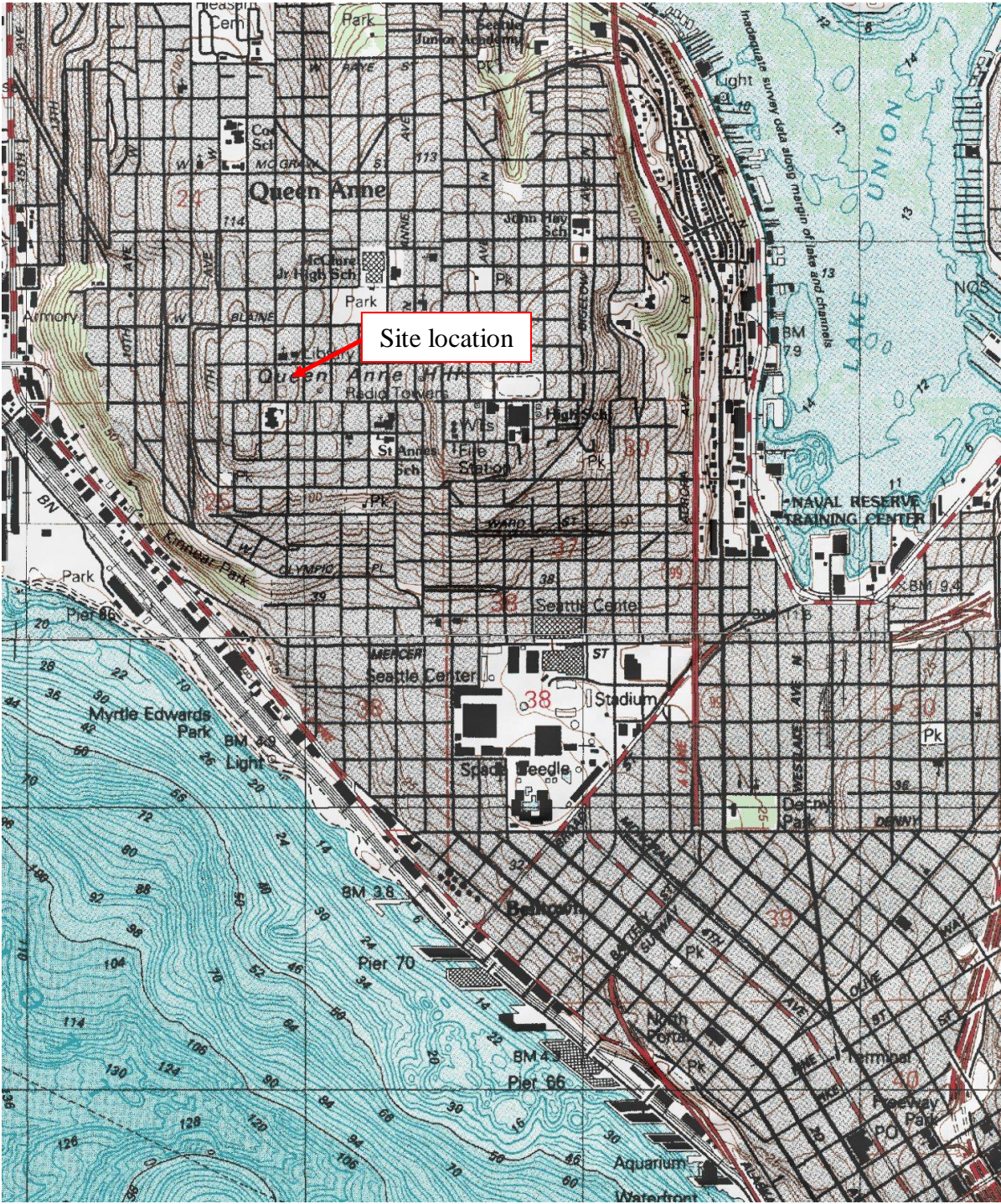
The tank furthest from the building was approximately 75 inches in diameter and 13 feet in length (approximately 3,000 gallons), and contained approximately 37 inches of diesel fuel. The top of the tank was approximately 54 inches below grade.

There was no dispenser associated with the tanks. The tanks were not in use during the time of this decommissioning.

The general area surrounding the subject property consists of a library and single- and multi-family housing. The area is gently sloped to the south and east. Elliott Bay is located approximately 0.65-miles to the west, while Lake Union is approximately 1.2-miles to the east. Based on surface topography, the general direction of shallow groundwater flow in the subject area is expected to be variable but generally to the south and east.



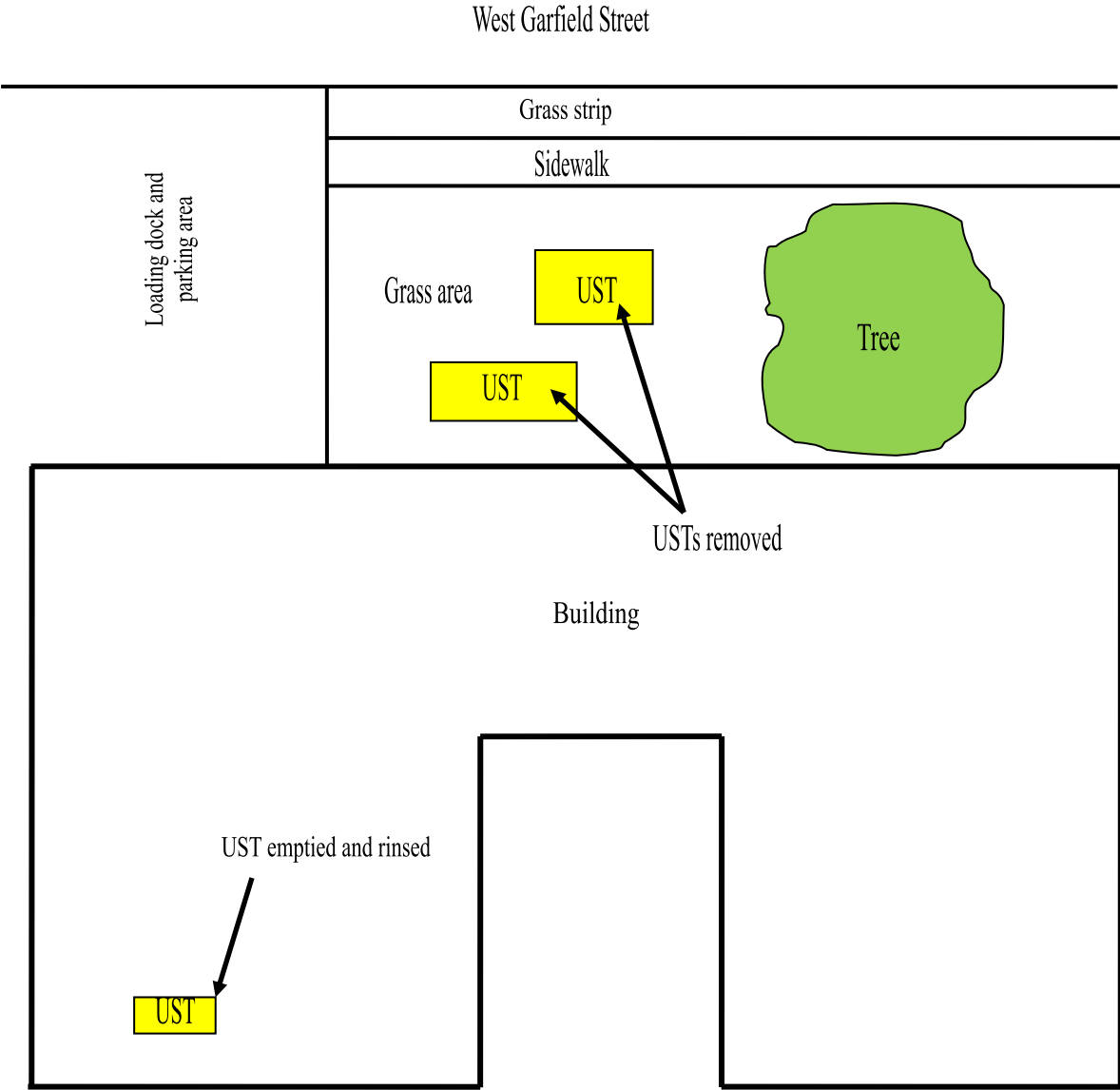
Figure 1. Site location map. 1529 – 4<sup>th</sup> Avenue West, Seattle.



Not to scale



Figure 2. Approximate UST locations. 1529 – 4<sup>th</sup> Avenue West, Seattle.



Not to scale



### 3. UST SITE ASSESSMENT ACTIVITIES

Site photographs are attached as Appendix A.

#### 3.1 INTERIOR UST

The UST in the southwest corner of the basement of the building was emptied and rinsed. Approximately 200 gallons of liquid was removed from the tank and disposed of by Marine Vacuum Service in Seattle. A copy of the disposal receipt for the tank contents is attached as Appendix B.

There were no soil samples collected from this tank area. The tank was not removed or filled-in-place. Future plans call for the sale of the building. The current owner, the Seattle Public Library, will ask the future buyer what they want done with the tank before performing any further work. It is unlikely that the tank will be removed due to its presence inside the building.

#### 3.2 EXTERIOR USTs

A permit for removal of the 2 exterior tanks was obtained from the Seattle Fire Department. A copy of this paperwork is attached as Appendix C.

Removal of these 2 tanks began by first removing the tank contents, then cleaning the tanks and removing the sludge/rinsate liquid. Approximately 1,800 gallons of liquid was removed from the tanks and disposed of by Marine Vacuum Service. A copy of the disposal receipt for the tank contents is attached as Appendix B.

The tanks were inspected by a marine chemist and approved for removal. A copy of this paperwork is attached as Appendix D.

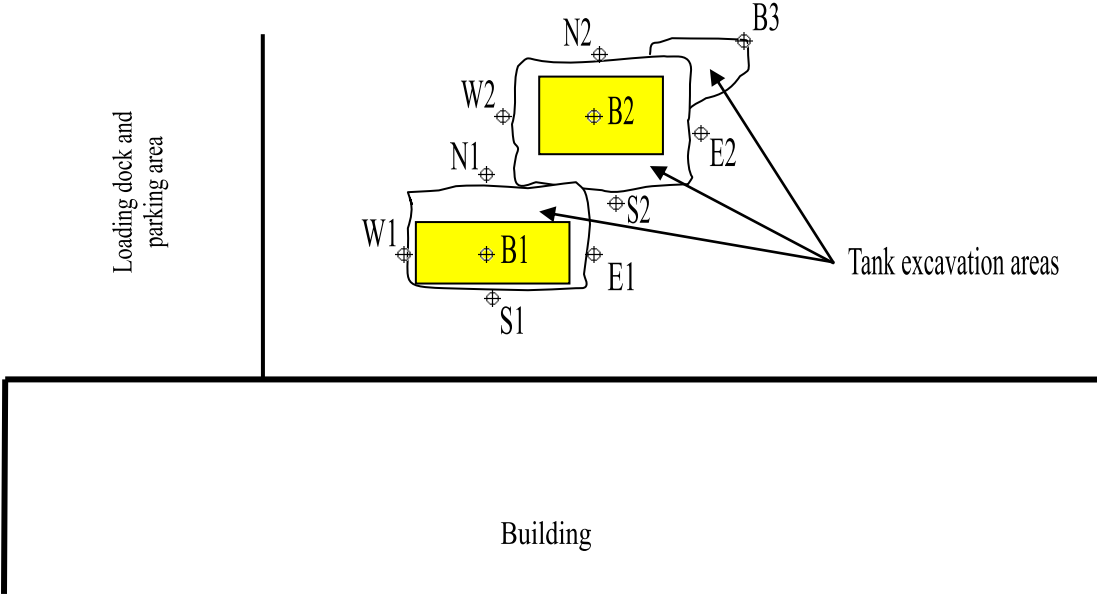
##### **3.2.1 UST Closest to Building**

The tank closest to the building was removed on Monday, August 31, 2015. An area approximately 18 feet from west-to-east and 7 feet from north-to-south was excavated (Figure 3). The tank was removed from the pit and disposed of by Marine Vacuum Service. A copy of the disposal receipt for the tank is attached as Appendix E.

The tank was in good condition at the time of removal, with no obvious evidence of holes or leakage. However, a slight petroleum odor was noted in the soil beneath the tank. As a result, approximately one foot of soil was removed from the bottom of the pit and disposed of offsite as contaminated material by Marine Vacuum Service. A copy of the disposal receipt for this soil is attached as Appendix F.



Figure 3. Approximate UST soil sampling locations. 1529 – 4<sup>th</sup> Avenue West, Seattle.



⊕ B3 Approximate soil sampling location.



Not to scale





Once the extent of contaminated soil was believed to have been reached, a total of 5 soil samples were collected from the tank excavation area (samples N1, S1, W1, E1 and B1) (see Figure 3).

All samples were analyzed for gasoline, BETX (benzene, ethylbenzene, toluene and xylenes) compounds, diesel, oil and total lead. Analytical results are attached as Appendix G and summarized below in Table 1. Table 1 also lists cleanup standards based on the Washington State Department of Ecology's (Ecology's) Model Toxics Control Act (MTCA) regulations (Chapter 173-340 WAC) assuming unrestricted (residential) land use.

There was no groundwater encountered in the tank pit. There were no groundwater samples collected or analyzed.

Table 1. Soil analytical results from UST excavation pit closest to building. 1529 – 4<sup>th</sup> Avenue West, Seattle. August 31, 2015.

Sample	Location/Description	Analytical Result (ppm)	MTCA Cleanup Standard (ppm)
N1	Tank closest to building. North sidewall of excavation pit.  Approximately 11 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  1.82 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead
S1	Tank closest to building. South sidewall of excavation pit.  Approximately 11 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  2.53 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead



Table 1 (continued). Soil analytical results from UST excavation pit closest to building. 1529 – 4<sup>th</sup> Avenue West, Seattle. August 31, 2015.

Sample	Location/Description	Analytical Result (ppm)	MTCA Cleanup Standard (ppm)
W1	Tank closest to building. West end of excavation pit.  Approximately 11 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene 0.022 ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  3.6 lead	30 gasoline <sup>b</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead
E1	Tank closest to building. East end of excavation pit.  Approximately 11 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  2.18 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead
B1	Tank closest to building. Bottom of excavation pit.  Approximately 14.5 feet below grade. Approximately 2 feet below the bottom of the tank.  Sandy soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  8.19 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead

ND(2) Not detected at the analytical detection limit of 2 parts-per-million (ppm).

a MTCA Method A soil cleanup standard for gasoline if there is no benzene detected in the sample, and the total of ethylbenzene, toluene and xylenes is less than 1% of the gasoline mixture.



- b MTCA Method A soil cleanup standard for gasoline if there is benzene detected in the sample, or the total of ethylbenzene, toluene and xylenes is more than 1% of the gasoline mixture.

From Table 1, ethylbenzene was detected in sample W1 (west end of excavation pit of tank closest to building, approximately 11 feet below grade), but at a concentration that is below Ecology's MTCA cleanup standard based on unrestricted (residential) land use.

Lead was detected in all the samples, but at concentrations that are below the MTCA cleanup standard.

There were no other contaminants detected in samples collected from this tank excavation area.

### **3.2.2 UST Furthest from Building**

The tank furthest from the building was removed on Tuesday, September 1, 2015. An area approximately 17 feet from west-to-east and 10 feet from north-to-south was excavated (see Figure 3). The southwest portion of this excavation pit bordered the northeast portion of the excavation pit for the other exterior UST (see Figure 3).

The tank was removed from the pit and disposed of by Marine Vacuum Service. A copy of the disposal receipt for the tank is attached as Appendix E.

The tank was in good condition at the time of removal, with no obvious evidence of holes or leakage. However, discolored soil with a petroleum odor was noted beneath the bottom eastern-half of this tank, and along the lower northeast sidewall area. As a result, approximately one foot of soil was removed from the bottom of the tank pit, while soil along the lower northeast sidewall area was over-excavated. This soil was disposed of as contaminated material by Marine Vacuum Service. A copy of the disposal receipt for this soil is attached as Appendix F.

Once the extent of contaminated soil was believed to have been reached, samples were collected from the excavation area (samples N2, S2, W2, E2, B2 and B3) (see Figure 3). One sample was also collected of the contaminated soil disposed of offsite (sample St1).

All samples were analyzed for gasoline, BETX compounds, diesel, oil and total lead. Analytical results are attached as Appendix G and summarized below in Table 2.

There was no groundwater encountered in the tank pit. There were no groundwater samples collected or analyzed.



Table 2. Soil analytical results from UST excavation pit furthest from building. 1529 – 4<sup>th</sup> Avenue West, Seattle. September 1, 2015.

Sample	Location/Description	Analytical Result (ppm)	MTCA Cleanup Standard (ppm)
N2	Tank furthest from building. North sidewall of excavation pit.  Approximately 8 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  2.9 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead
S2	Tank furthest from building. South sidewall of excavation pit.  Approximately 8 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene 0.029 ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  1.81 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead
W2	Tank furthest from building. West end of excavation pit.  Approximately 8 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  2 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead



Table 2 (continued). Soil analytical results from UST excavation pit furthest from building. 1529 – 4<sup>th</sup> Avenue West, Seattle. September 1, 2015.

Sample	Location/Description	Analytical Result (ppm)	MTCA Cleanup Standard (ppm)
E2	Tank furthest from building. East end of excavation pit.  Approximately 8 feet below grade.  Hard sandy clayey soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  2.48 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead
B2	Tank furthest from building. Bottom of excavation pit.  Approximately 13 feet below grade. Approximately 2 feet below the bottom of the tank.  Sandy soil.	ND(2) gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  2.08 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead
B3	Tank furthest from building. Lower northeast corner of over-excavation area.  Approximately 12 feet below grade.  Hard sandy clayey soil.	3.4 gasoline  ND(0.02) benzene ND(0.02) ethylbenzene ND(0.02) toluene ND(0.06) xylenes  ND(50) diesel ND(250) oil  1.58 lead	100 gasoline <sup>a</sup>  0.03 benzene 6 ethylbenzene 7 toluene 9 xylenes  2,000 diesel 2,000 oil  250 lead



Table 2 (continued). Soil analytical results from UST excavation pit furthest from building, 1529 – 4<sup>th</sup> Avenue West, Seattle. September 1, 2015.

Sample	Location/Description	Analytical Result (ppm)	MTCA Cleanup Standard (ppm)
<b>St1</b>	Contaminated soil removed from tank excavation pits and disposed of offsite.	<p><b>230 gasoline</b></p> <p><b>0.13 benzene</b> 1.1 ethylbenzene 0.15 toluene 3.2 xylenes</p> <p><b>5,200 diesel</b> ND(250) oil</p> <p>1.94 lead</p>	<p><b>30 gasoline<sup>b</sup></b></p> <p><b>0.03 benzene</b> 6 ethylbenzene 7 toluene 9 xylenes</p> <p><b>2,000 diesel</b> 2,000 oil</p> <p>250 lead</p>

ND(2) Not detected at the analytical detection limit of 2 parts-per-million (ppm).

- a MTCA Method A soil cleanup standard for gasoline if there is no benzene detected in the sample, and the total of ethylbenzene, toluene and xylenes is less than 1% of the gasoline mixture.
- b MTCA Method A soil cleanup standard for gasoline if there is benzene detected in the sample, or the total of ethylbenzene, toluene and xylenes is more than 1% of the gasoline mixture.

From Table 2, ethylbenzene was detected in sample S2 (south sidewall of excavation pit of tank furthest from building, approximately 8 feet below grade), but at a concentration that is below Ecology’s MTCA cleanup standard based on unrestricted (residential) land use.

Gasoline was detected in sample B3 (lower northeast corner of over-excavation area of tank furthest from building, approximately 12 feet below grade), but at a concentration that is below the MTCA cleanup standard.

Lead was detected in all the samples, but at concentrations that are below the MTCA cleanup standard.

There were no other contaminants detected in samples collected from this tank excavation area.



The contaminated soil removed from the tank excavation pits contained gasoline, benzene and diesel fuel at concentrations that are above the MTCA cleanup standards (sample St1). As already noted, this soil was disposed of offsite (see Appendix F)

#### 4. CONCLUSIONS AND RECOMMENDATIONS

The UST located beneath the concrete slab floor in the southwest corner of the basement of the subject Queen Anne storage building was emptied and rinsed. There were no soil samples collected from this tank area. The tank was not removed or filled-in-place. Future plans call for the sale of the building. The current owner, the Seattle Public Library, will ask the future buyer what they want done with the tank before performing any further work. It is unlikely that the tank will be removed due to its presence inside the building.

The 2 USTs along the north exterior of the building were removed and disposed of. Contaminated soil was removed from each of these tank pits, and all soil samples collected from the pits indicate no further contamination remains onsite at concentrations above Ecology's MTCA cleanup standards based on unrestricted (residential) land use. Based on these results, no further environmental investigation of this tank area appears warranted.

There was no groundwater encountered in the tank pits. There were no groundwater samples collected or analyzed.

Contaminated soil from the tank excavation pits was removed and properly disposed of.

Ecology paperwork is attached as Appendix H. A hard copy of this report has been submitted to Ecology's office in Olympia, Washington.

#### 5. SIGNATURE

*Bill Kane*

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Bill Kane

ICC-certified UST site assessor #ICC32000553, expires May 7, 2017



**APPENDIX A**  
**SITE PHOTOGRAPHS**





Pumping and cleaning of UST in southwest corner of basement of building.



Location of 2 USTs along north exterior of building.



Removal of UST closest to building.



UST closest to building. No obvious evidence of holes or leakage.



Removal of UST furthest from building.



UST furthest from building. No obvious evidence of holes or leakage.



Tank pit furthest from building. Contaminated soil along lower northeast sidewall area.



Tank pit furthest from building. Removal of contaminated soil along lower northeast sidewall area.





**APPENDIX B**  
**DISPOSAL RECEIPT FOR TANK CONTENTS**



**This Memorandum**

is an acknowledgment that a Bill of Lading has been issued and is not Original Bill of Lading, nor a copy or duplicate, covering the property named herein, and is intended solely for filing or record.

Shipper No. 026492

Confer No. \_\_\_\_\_

**MARINE VACUUM SERVICE, INC**

Date 8-31-15

Page \_\_\_\_\_ of \_\_\_\_\_

(Mark if owner)

(SOAG)

TO: <b>MARINE VACUUM SERVICE INC</b> Consignee Street <u>1516 S. GRAHAM ST</u> City <u>SEATTLE</u> State <u>WA</u> Zip Code <u>98108</u>		FROM: Shipper <u>SMIRYK (OAK)</u> Street <u>423 W. CHILFREN</u> City <u>QUEEN AN</u> State <u>WA</u> Zip Code _____ 24 hr. Emergency Contact Tel. No. <u>800-540-7491</u>	
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Route		Vehicle Number				
No. of Units & Container Type	HM	BASIC DESCRIPTION UN or MA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Volume, etc)	WEIGHT (If Applicable to Container)	RATE	CHARGES (For Carrier Use Only)
1		2000 GALLON EMPTY TANK UNWANTED FOR DISPOSAL HAZARDOUS	1			

PLACARDS TENDERED: YES  NO

<p><b>NOTE</b> - (1) Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property as follows: "The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____."</p> <p>(2) Where the MA/UN is a flammable liquid, a provision of the date-involvement clause is required as a value declaration by the shipper and the shipper does not assume the same liability or double liability. The carrier's liability shall be limited to the extent provided by such provision. See FMCSA Form 100.</p> <p>(3) Commercial shipping special or additional rates of charges in handling or storage shall be as stated and subject to the terms and conditions. See Section 100 of the Bill of Lading, Freight Bill and Bill of Lading of Charges and Section 100 of the Carrier Terms and Conditions for a list of such articles.</p>	<p>I hereby declare that the contents of this memorandum are fully and accurately described above by the proper shipping name and are classified, packaged, labeled and sealed in accordance with all applicable federal, state and national governmental regulations.</p> <p>Signature _____</p>	<p>RESULT C.O.D. TO: _____ ADDRESS: _____</p> <p><b>COD</b> Amt: \$ _____</p> <p>TO C.O.D. TO: (1) of the contents, if the shipper is to be delivered to the consignee without receipt of the shipper, the consignee shall sign the shipping receipt. The carrier shall not be liable for the shipment without payment of freight and/or other charges.</p>	<p>C.O.D. FEE: _____ FREIGHT TO COLLECT <input type="checkbox"/> \$ _____</p> <p><b>TOTAL CHARGES</b> \$ _____</p> <p><b>FREEZE CHARGES</b> FREEZE METHOD: _____ CHECKED FREIGHT: _____ UNWANTED: <input type="checkbox"/> _____</p>
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**WARNING:** Subject to the classification and limits in effect on the date of this issue, this Bill of Lading, the property described above is transported under a bill of lading which is subject to the terms and conditions of the bill of lading contract. The carrier's liability shall be limited to the extent provided by such provision. See FMCSA Form 100.

Notice and on to each copy of any one attached in all events and property that may be liable to be delivered to the consignee and to be subject to all terms of the bill of lading and conditions of the general contract.

Shipper hereby certifies that he is familiar with all the terms and conditions of the general contract and the bill of lading and hereby agrees to be bound by the terms and conditions of the bill of lading and to accept the terms and conditions of the bill of lading.

SHIPPER PER <u>[Signature]</u>	CARRIER <u>MARINE VACUUM SERVICE, INC.</u>
DATE <u>8-31-15</u>	PER <u>[Signature]</u>
Permanent post-office address of shipper: _____	4



**APPENDIX C**  
**FIRE DEPARTMENT PERMIT**



Mon 8/31/15 10AM

Your  
Seattle  
Fire Department

RECEIVED

AUG 12 2015



APPLICATION FOR TEMPORARY PERMIT

Code 7908 Commercial Tank Removal/Decommissioning

Permit Fee: \$218.00

Date Issued: 8/31/2015

Tank(s) must be removed from site on the same day as permit is issued!

TO BE COMPLETED BY PERMIT APPLICANT

FIRM NAME <u>Soybr Contractors, Inc.</u>			
MAILING ADDRESS <u>3852 S 66th Street</u>		SUITE	
CITY <u>Tacoma</u>	STATE <u>WA</u>	ZIP <u>98409-2408</u>	
JOBSITE ADDRESS <u>1529 4th Avenue W, Seattle, WA 98119</u>			
CONTACT PERSON <u>Mickey McAloon</u>		PHONE NUMBER ( <u>206</u> ) <u>730-0967</u>	
Number of Tank(s): <u>2</u>		Tank Size(s): <u>Unknown</u>	
		<input type="checkbox"/> Aboveground tank	
Product(s) Previously Contained: <u>Heating Oil</u>		<input checked="" type="checkbox"/> Underground tank	
<input checked="" type="checkbox"/> Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents)			
<input type="checkbox"/> Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns)			
Hot work being conducted: <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, a separate hot work permit is required)			

Permit applications may be submitted in person weekdays from 8:00 a.m. to 5:00 p.m., or mailed to:

Seattle Fire Department  
Fire Marshal's Office - Permits  
220 Third Ave S, 2nd Floor  
Seattle, WA 98104-2608

To pay with a Visa or Master Card: Fax or email this application  
THEN CALL US TO CONFIRM RECEIPT AND MAKE PAYMENT  
Tel: (206) 386-1450 / Fax: (206) 386-1348  
E-mail: [permits@seattle.gov](mailto:permits@seattle.gov)

Call 386-1450, at least 24 hours prior to needed inspection time to arrange for an appointment.  
TANKS MAY BE REMOVED/DECOMMISSIONED ONLY AFTER FIRE DEPARTMENT INSPECTION  
NO HOT WORK IS ALLOWED ON A TANK SYSTEM PRIOR TO ISSUANCE OF THIS FIRE DEPARTMENT PERMIT!

Permission is hereby granted to remove or decommission the tank(s) identified in this permit in accordance with the attached conditions, all noted special conditions, and all applicable provisions of the Seattle Fire Code, federal, state and local regulations. THIS PERMIT IS NULL AND VOID IF PERMIT CONDITIONS ARE NOT ATTACHED

Special permit conditions: Tank removal/decommissioning must be performed, or directly supervised, by an ICC certified individual (MAD 173-360-606)

Follows all attached conditions

FMD USE:	APPROVED BY:	INSPECTOR:	SPD ID#
Check No.: <u>00005163081215</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>1082</u>
Receipt No.: <u>B-250209</u>	Name of Marine Chemist:	<u>[Signature]</u>	Certificate # <u>688-</u>
Application ID#: <u>102133</u>	Date:		<u>8/31</u>

08/15



**APPENDIX D**  
**TANK INERTING PAPERWORK**



SOUND TESTING, INC.  
 P.O. BOX 16204 SEATTLE, WA 98116  
 (206) 932-0206 FAX (206) 937-3848  
 WWW.SOUNDTESTINGINC.COM

**MARINE CHEMIST CERTIFICATE**  
**SERIAL N<sup>o</sup> 46544**

Contract No. MAR10AC Vessel Name or Agent SEATTLE PUBLIC LIBRARY Date 31 AUG 15  
 Vessel U157's (DILLON ANNE LIBRARY) Type of Vessel U157 Specific Location of Vessel 400 W CAROLAN ST  
 Lead Time (if Lockings) DIPLOM X 3 Job Projected VISUAL O<sub>2</sub>, L<sub>EL</sub>, THC Time Entry Completed 08:28

~ 3000 GALLON U157 } SAFE FOR EXCAVATION  
~ 1000 GALLON U157 } SAFE FOR TRANSPORTATION

O<sub>2</sub> ≥ 19%  
L<sub>EL</sub> ≤ 8%  
THC ≤ 538 ± 1 ppm

METHOD: BW S/N SK107-005146/CAL: 0730-31 AUG 15

In the event of changes adversely affecting conditions in the above spaces, or if in any doubt, immediately stop all work and contact the undersigned Marine Chemist.

Qualifications: Manipulation of valves or devices tending to alter conditions in pipe lines or tanks noted above, unless specifically approved in this certificate, will require re-inspection and a new Certificate for spaces so affected. All piping, hoisting coils, pumps and floating roof gaskets attached to or contained within spaces listed above shall be considered "NOT SAFE" unless otherwise specifically designated.

**STANDARD SAFETY DESIGNATIONS**

(These detail the minimum conditions for Safe Entry and Hot Work.) The Marine Chemist may request additional measures if workplace conditions so dictate.

**ATMOSPHERE SAFE FOR WORKERS** means that in a space (a) the oxygen content is between 18.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) all toxic materials are within permissible concentrations as listed in OSHA's Subpart Z or in ACGIH's current list of Threshold Limit Values.

**SAFE FOR HOT WORK** means that (a) oxygen within the space is less than 22% by volume; and (b) the combustible gas is less than 10% of the Lower Explosive Limit; and (c) cargo residues within the space will not combust during hot work; and (d) pipes that can deliver hazardous materials to the workspace have been separated, blanked, or locked out, and nearby hazardous spaces have been evaluated and noted on the certificate.

**NOT SAFE FOR HOT WORK:** In the compartment or space so designated, hot work is not permitted.

The undersigned acknowledges that he or she has inspected and understands conditions and limitations under which work is to be done.

This Certificate is based on conditions existing at the time the inspection took set forth was completed and is issued subject to compliance with all qualifications and instructions.

Signed [Signature] Date MAR10AC 31 AUG 15 Signed [Signature] # 600  
 POSTING CRN# 20-212-1973



**APPENDIX E**  
**DISPOSAL RECEIPT FOR USTS**



**Marine Vacuum Service, Inc.**

GENERAL CONTRACTOR  
CONTRACTORS LICENSE # MARINVS0971A

P.O. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

STORAGE TANK  
CERTIFICATE OF DESTRUCTION

DATE: 9/1/2015

TANK OWNER: SEATTLE PUBLIC LIBRARIES

TANK LOCATION: 423 W GARFIELD ST

TANK DESCRIPTION: 2,000 UST

LAST CONTENTS HELD IN TANKS: HEATING OIL

Marine Vacuum Service, Inc certifies that the tank mentioned above was pumped of all liquid materials and washed clean with a high-pressure washer and soap solution. The tank and contents therein have been disposed of according to all Local, State and Federal Regulations.

Thank you,

Marine Vacuum Service, Inc.

DBE # D4M0002341

SDVO

EPA # WAD980974521

A MINORITY BUSINESS ENTERPRISE ID # M4M002341





**Marine Vacuum Service, Inc.**

GENERAL CONTRACTOR  
CONTRACTORS LICENSE # MARINVS097JA

P.O. Box 24263 Seattle, Washington 98124  
Telephone (206) 762-0240  
FAX (206) 763-8084  
1-800-540-7491

STORAGE TANK  
CERTIFICATE OF DESTRUCTION

DATE: 9/1/2015

TANK OWNER: SEATTLE PUBLIC LIBRARIES

TANK LOCATION: 423 W GARFIELD ST

TANK DESCRIPTION: 3,000 UST

LAST CONTENTS HELD IN TANKS: HEATING OIL

Marine Vacuum Service, Inc certifies that the tank mentioned above was pumped of all liquid materials and washed clean with a high-pressure washer and soap solution. The tank and contents therein have been disposed of according to all Local, State and Federal Regulations.

Thank you,

Marine Vacuum Service, Inc.

DBE # D4M0002341

SDVO

EPA # WAD980974521

A MINORITY BUSINESS ENTERPRISE ID # M4M002341



**APPENDIX F**  
**DISPOSAL RECEIPT FOR CONTAMINATED SOIL**



**Marine Vacuum Service, Inc.**

GENERAL CONTRACTOR  
CONTRACTORS LICENSE # MARINVS097JA

P.O. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

PRODUCT DISPOSAL CERTIFICATE

DATE: 9/1/2015

CUSTOMER: SAYBR CONTRACTORS

LOCATION: 423 W GARFIELD ST - SEATTLE

PRODUCT DISPOSAL : 15 YARDS – CONTAMINATED SOIL

DATE RECEIVED: 9/1/2015

Marine Vacuum Service, Inc. certifies that the above mentioned product has been treated and disposed of in accordance with the industry standard and under authority of King County METRO Permit Number 7676-03 in accordance with Federal, State and Local regulations.

Marine Vacuum Service, Inc.

DBE # D4M0002341

SDVO

EPA # WAD980974521

A MINORITY BUSINESS ENTERPRISE ID # M4M002341



**APPENDIX G**  
**SOIL ANALYTICAL RESULTS**



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/04/15  
 Date Received: 08/31/15  
 Project: QAS, F&BI 508562  
 Date Extracted: 09/01/15  
 Date Analyzed: 09/01/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR BENZENE, TOLUENE, ETHYLBENZENE,  
 XYLENES AND TPH AS GASOLINE  
 USING METHODS 8021B AND NWTPH-Gx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 80-152)
<b>N1</b> 508562-01	<0.02	<0.02	<0.02	<0.06	<2	89
<b>S1</b> 508562-02	<0.02	<0.02	<0.02	<0.06	<2	92
<b>W1</b> 508562-03	<0.02	<0.02	0.022	<0.06	<2	86
<b>E1</b> 508562-04	<0.02	<0.02	<0.02	<0.06	<2	92
<b>B1</b> 508562-05	<0.02	<0.02	<0.02	<0.06	<2	91
<b>Method Blank</b> 05-1749 MB2	<0.02	<0.02	<0.02	<0.06	<2	92



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/04/15  
 Date Received: 08/31/15  
 Project: QAS, F&BI 508562  
 Date Extracted: 09/01/15  
 Date Analyzed: 09/01/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR TOTAL PETROLEUM HYDROCARBONS AS  
 DIESEL AND MOTOR OIL  
 USING METHOD NWTPH-Dx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C10-C28)	<u>Motor Oil Range</u> (C28-C36)	<u>Surrogate</u> (% Recovery) (Limit 50-165)
N1 508562-01	<50	<250	101
S1 508562-02	<50	<250	93
W1 508562-03	<50	<250	101
E1 508562-04	<50	<250	95
B1 508562-05	<50	<250	94
Method Blank 05-1794 MB	<50	<250	106



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	N1	Client:	Eco Compliance
Date Received:	08/31/15	Project:	QAS, F&BI 508562
Date Extracted:	09/01/15	Lab ID:	508562-01
Date Analyzed:	09/01/15	Data File:	508562-01.051
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	92	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	1.82



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S1	Client:	Eco Compliance
Date Received:	08/31/15	Project:	QAS, F&RI 508562
Date Extracted:	09/01/15	Lab ID:	508562-02
Date Analyzed:	09/01/15	Data File:	508562-02.055
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	90	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.55





FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	W1	Client:	Eco Compliance
Date Received:	08/31/15	Project:	QAS, F&RI 508562
Date Extracted:	09/01/15	Lab ID:	508562-03
Date Analyzed:	09/01/15	Data File:	508562-03.054
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	90	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	3.60



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	E1	Client:	Eco Compliance
Date Received:	08/31/15	Project:	QAS, F&RI 508562
Date Extracted:	09/01/15	Lab ID:	508562-04
Date Analyzed:	09/01/15	Data File:	508562-04.055
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.18



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	R1	Client:	Eco Compliance
Date Received:	08/31/15	Project:	QAS, F&R 508562
Date Extracted:	09/01/15	Lab ID:	508562-05
Date Analyzed:	09/01/15	Data File:	508562-05.056
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	8.19





508562

SAMPLE CHAIN OF CUSTODY ME 08/31/15

CI 3

Send Report To: Bill Kane  
 Company: Eco Compliance  
 Address: 1833 Brenton Ave NE  
 City, State, ZIP: Benton 98059  
 Phone #: 206-715-1396 Fax #:

SAMPLES (signature) Bill Kane PO #  
 PROJECT NAME: QAS  
 REMARKS: call with HJ 206-715-1396  
bill eco compliance. 012

Page # 1 of 1  
 TURNAROUND TIME  
 Standard (5 Weeks)  
 RUSH  
 (Each charge authorized by:  
 SAMPLE DISPOSAL  
 Dispose after 90 days  
 Return samples  
 Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel	TPH-Gasoline	DETEL by 80019	VOCs by 8003	AVOCs by 8010	HER	Acid Ext.	Lead	Notes
N1	AA-D	8-31-15		Soil	4	X	X	X				X	X	
S1	02				4	X	X	X				X	X	
W1	03				4	X	X	X				X	X	
E1	04				4	X	X	X				X	X	
B1	05				4	X	X	X				X	X	

Prichard & Brown, Inc.  
 2012 14th Avenue West  
 Seattle, WA 98119-2009  
 Ph. (206) 265-4267  
 Fax (206) 265-5944  
 FORM 001-000-000-000

DATE: 8-31-15 TIME: 6:25 AM  
 SIGNATURE: Bill Kane COMPANY: Eco Compliance  
 RECEIVED BY: Joe Shivers FB 4 I

Samples expected at 5 10

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/04/15  
 Date Received: 09/01/15  
 Project: QAS, F&BI 509016  
 Date Extracted: 09/02/15  
 Date Analyzed: 09/02/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR BENZENE, TOLUENE, ETHYLBENZENE,  
 XYLENES AND TPH AS GASOLINE  
 USING METHODS 8021B AND NWTPH-Gx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
N2 509016-01	<0.02	<0.02	<0.02	<0.06	<2	74
S2 509016-02	<0.02	<0.02	0.029	<0.06	<2	73
W2 509016-03	<0.02	<0.02	<0.02	<0.06	<2	74
E2 509016-04	<0.02	<0.02	<0.02	<0.06	<2	73
B2 509016-05	<0.02	<0.02	<0.02	<0.06	<2	74
ST1 509016-06	0.13	0.15	1.1	3.2	230	109
B3 509016-07	<0.02	<0.02	<0.02	<0.06	3.4	74
Method Blank 05-1782 MB	<0.02	<0.02	<0.02	<0.06	<2	74



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 09/04/15  
 Date Received: 09/01/15  
 Project: QAS, F&BI 509016  
 Date Extracted: 09/02/15  
 Date Analyzed: 09/02/15

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
 FOR TOTAL PETROLEUM HYDROCARBONS AS  
 DIESEL AND MOTOR OIL  
 USING METHOD NWTPH-Dx**  
 Results Reported on a Dry Weight Basis  
 Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C <sub>10</sub> -C <sub>25</sub> )	<u>Motor Oil Range</u> (C <sub>25</sub> -C <sub>35</sub> )	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 50-105)
N2 50016-01	<50	<250	105
S2 50016-02	<50	<250	103
W2 50016-03	<50	<250	97
E2 50016-04	<50	<250	98
B2 50016-05	<50	<250	103
ST1 50016-06	5,200	<250	96
B3 50016-07	<50	<250	103
<b>Method Blank</b> 05-1736 MB	<50	<250	104



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	N2	Client:	Eco Compliance
Date Received:	09/01/15	Project:	QAS, F&BI 509016
Date Extracted:	09/02/15	Lab ID:	509016-01
Date Analyzed:	09/02/15	Data File:	509016-01.032
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	126

Analyte:	Concentration mg/kg (ppm)
Lead	2.90



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S2	Client:	Eco Compliance
Date Received:	09/01/15	Project:	QAS, F&BI 509016
Date Extracted:	09/02/15	Lab ID:	509016-02
Date Analyzed:	09/02/15	Data File:	509016-02.035
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	1.81





FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	W2	Client:	Eco Compliance
Date Received:	09/01/15	Project:	QAS, F&BI 509016
Date Extracted:	09/02/15	Lab ID:	509016-03
Date Analyzed:	09/02/15	Data File:	509016-03.036
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.00



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	E2	Client:	Eco Compliance
Date Received:	09/01/15	Project:	QAS, F&BI 509016
Date Extracted:	09/02/15	Lab ID:	509016-04
Date Analyzed:	09/02/15	Data File:	509016-04.037
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	89	60	126

Analyte:	Concentration mg/kg (ppm)
Lead	2.48



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	B2	Client:	Eco Compliance
Date Received:	09/01/15	Project:	QAS, F&BI 509016
Date Extracted:	09/02/15	Lab ID:	509016-08
Date Analyzed:	09/02/15	Data File:	509016-08.038
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	75	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.08



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	B3	Client:	Eco Compliance
Date Received:	09/01/15	Project:	QAS, F&RI 509016
Date Extracted:	09/02/15	Lab ID:	509016-07
Date Analyzed:	09/02/15	Data File:	509016-07.040
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	92	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	1.58



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	ST1	Client:	Eco Compliance
Date Received:	09/01/15	Project:	QAS, F&BI 509016
Date Extracted:	09/02/15	Lab ID:	509016-06
Date Analyzed:	09/02/15	Data File:	509016-06.039
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	87	60	126

Analyte:	Concentration mg/kg (ppm)
Lead	1.04





509016  
 SAMPLE CHAIN OF CUSTODY  
 ME 09-01-15  
 BEB/CEI

Send Report To: Bill Kane  
 Company: Eco Compliance  
 Address: 1823 Brenton Ave NE  
 City, State, ZIP: Renton 98059  
 Phone #: 206-715-1396 Fax #:

SAMPLERS (signature): Bill Kane PO #  
 PROJECT NUMBER: QAS  
 REMARKS: bill@ecocompliance.biz

Page # 1 of 1  
 TURNAROUND TIME  
 Standard (5 Weeks)  
 X-URGENT  
 Such changes authorized by:  
 SAMPLE DISPOSAL  
 Dispose after 28 days  
 Return samples  
 Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSIS							Notes	
						TPH-Diesel	TPH-Grease	BTX by EPA16	VOCs by EPA9	SVOCs by EPA19	HHS	Oil & Grease		
N2	01 A-D	9/1/15		soil	4	X	X	X	X	X	X	X		
S2	02 T				4	X	X	X	X	X	X	X		
W2	03				4	X	X	X	X	X	X	X		
E2	04				4	X	X	X	X	X	X	X		
B2	05				4	X	X	X	X	X	X	X		
S41	06				4	X	X	X	X	X	X	X		
B3	07 A-C				3	X	X	X	X	X	X	X		

Prichard & Brown, Inc.  
 2018 14th Avenue West  
 Seattle, WA 98119-2029  
 PH: (206) 265-6282  
 Fax: (206) 265-5944  
 FORMS\OCC\COG.DOC

Signature: Bill Kane Date: 9-1-15 Time: 3:05 PM  
 Signature: [Signature] Date: 9/1/15 Time: 3:05 PM  
 Signature: [Signature] Date: 9/1/15 Time: 3:05 PM  
 Signature: [Signature] Date: 9/1/15 Time: 3:05 PM

Samples analyzed: 15

**APPENDIX H**  
**ECOLOGY PAPERWORK**





## SITE CHECK/SITE ASSESSMENT CHECKLIST FOR UNDERGROUND STORAGE TANKS

UST ID #: \_\_\_\_\_

County: King

*This checklist certifies that site check or site assessment activities were performed in accordance with Chapter 173-360 WAC. Instructions are found on the last page.*

I. UST FACILITY		II. OWNER/OPERATOR INFORMATION	
Facility Compliance Tag #:		Owner/Operator Name: <u>Seattle Public Library</u>	
UST ID #:		Business Name:	
Site Name: <u>Queen Anne Storage building</u>		Address: <u>1000 Fourth Avenue, 11<sup>th</sup> Floor</u>	
Site Address: <u>1529-4<sup>th</sup> Avenue West</u>		City: <u>Seattle</u>	State: <u>WA</u> Zip: <u>98104</u>
City: <u>Seattle, WA 98119</u>		Phone: <u>206-684-0906</u>	
Phone:		Email: <u>chris.geer@spl.org</u>	
III. CERTIFIED SITE ASSESSOR			
Service Provider Name: <u>Bill Kane</u>		Company Name: <u>Eco Compliance Corp.</u>	
Cell Phone: <u>206-7151396</u> Email: <u>bill@ecocompliance.biz</u>		Address: <u>1823 Bremerton Avenue NE</u>	
Certification #: <u>32000553</u>	Exp. Date: <u>5-7-17</u>	City: <u>Renton</u>	State: <u>WA</u> Zip: <u>98059</u>
IV. TANK INFORMATION			
TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	DATE SITE CHECK OR ASSESSMENT CONDUCTED
<u>1</u>	<u>2,350 gallons</u>	<u>Heating oil</u>	<u>8-31-15</u>
<u>2</u>	<u>3,000 gallons</u>	<u>Heating oil</u>	<u>9-1-15</u>
V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one)			
<input checked="" type="checkbox"/> Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place).			
<input type="checkbox"/> Release investigation following a failed tank and/or line tightness test.			
<input type="checkbox"/> Release investigation following discovery of contaminated soil and/or groundwater.			
<input type="checkbox"/> Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts.			
<input type="checkbox"/> UST system is undergoing a "change-in-service", which is changing from storing a regulated substance (e.g. gasoline) to storing a non-regulated substance (e.g. water).			
<input type="checkbox"/> Directed by Ecology for UST system permanently closed or abandoned before 12/22/1988.			
<input type="checkbox"/> Other (describe):			

ECY 010-158 (Rev. Jan. 2015)





VI. CHECKLIST		
The site assessor must check each of the following items and include it in the report. Sections referenced below can be found in the Ecology publication <i>Guidance for Site Checks and Site Assessments for Underground Storage Tanks.</i>		YES NO
1. The location of the UST site is shown on a vicinity map.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. A brief summary of information obtained during the site inspection is provided (Section 3.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. A summary of UST system data is provided (Section 3.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
4. The soils characteristics at the UST site are described. (Section 5.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
5. Is there any apparent groundwater in the tank excavation?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. A brief description of the surrounding land use is provided. (Section 3.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7. The name and address of the laboratory used to perform analyses is provided. The methods used to collect and analyze the samples, including the number and types of samples collected, are also documented in the report. The data from the laboratory is appended to the report.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
8. The following items are provided in one or more sketches:		
• Location and ID number for all field samples collected	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• If applicable, groundwater samples are distinguished from soil samples	NA	<input type="checkbox"/>
• Location of samples collected from stockpiled excavated soil	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Tank and piping locations and limits of excavation pit	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Adjacent structures and streets	<input checked="" type="checkbox"/>	<input type="checkbox"/>
• Approximate locations of any on-site and nearby utilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. If sampling procedures are different from those specified in the guidance, has justification for using these alternative sampling procedures been provided? (Section 3.4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
10. A table is provided showing laboratory results for each sample collected including; sample ID number, constituents analyzed for and corresponding concentration, analytical method, and detection limit for that method. Any sample exceeding MTCA Method A cleanup standards are highlighted or bolded.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
11. Any factors that may have compromised the quality of the data or validity of the results are described.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. The results of this site check/site assessment indicate that a confirmed release of a regulated substance has occurred. The requirements for reporting confirmed releases can be found in WAC 173-360-372.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VII. REQUIRED SIGNATURES		
<i>Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360-360 through -395.</i>		
<u>Bill Kane</u>	<u>Bill Kane</u>	<u>9-16-15</u>
Print or Type Name	Signature of Certified Site Assessor	Date

ECY 010-158 (Rev. Jan. 2015)





**PERMANENT CLOSURE NOTICE  
FOR UNDERGROUND STORAGE TANKS**

UST ID #: \_\_\_\_\_  
County: King

*This notice certifies that permanent closure activities were performed and conducted in accordance with Chapter 173-360 WAC. Instructions are found on the back page.*

I. UST FACILITY		II. OWNER/OPERATOR INFORMATION				
Facility Compliance Tag #:		Owner/Operator Name:	<u>Seattle Public Library</u>			
UST ID #:		Business Name:				
Site Name:	<u>Queen Anne Storage building</u>	Address:	<u>1000 Fourth Avenue, 11<sup>th</sup> floor</u>			
Site Address:	<u>1529-4<sup>th</sup> Avenue West</u>	City:	<u>Seattle</u> State: <u>WA</u> Zip: <u>98104</u>			
City:	<u>Seattle, WA 98119</u>	Phone:	<u>206-684-0906</u>			
Phone:		Email:	<u>chris.geer@spl.org</u>			
III. CERTIFIED UST DECOMMISSIONER						
Company Name:	<u>Saybr Contractors</u>	Service Provider Name:				
Address:	<u>3852 South 66<sup>th</sup> Street</u>	Certification Type:	<u>Decommissioner</u>			
City:	<u>Tacoma</u> State: <u>WA</u> Zip: <u>98409</u>	Cart. No.:	Exp. Date:			
Provider Phone:	<u>253-531-7144</u>	Provider Email:	<u>m.mcaloon@saybr.com</u>			
Provider Signature:	<i>[Signature]</i>	Date:	<u>9-21-15</u>			
IV. TANK INFORMATION						
TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	CLOSURE METHOD			CLOSURE DATE
			removal	closed-in-place	change-in-service	
<u>1</u>	<u>2,350 gal.</u>	<u>Heating oil</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>8-31-15</u>
<u>2</u>	<u>3,000 gal.</u>	<u>Heating oil</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<u>9-1-15</u>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
V. REQUIRED SIGNATURE						
Signature acknowledges UST(s) comply with UST regulation WAC 173-360-380 Temporary Closure Requirements.						
<u>9/21/2015</u>	<i>[Signature]</i>	<u>Glenn Osada</u>				
Date	Signature of Tank Owner/Operator or Authorized Representative	Print or Type Name				

ECY 020-94 (July 2014)

