UST SITE ASSESSMENT AND INDEPENDENT CLEANUP REPORT

9700 Aurora Avenue North
Seattle, Washington 98103
FILCO PROJECT NUMBER 24741

FILCO COMPANY INC.

Environmental Services

CONTRACTORS LICENSE NUMBER FILCOCI080RU
ICC CERTIFIED
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December 1, 2015
9700 Aurora Avenue North, Seattle, Washington 98103
FILCO Project Number 24741

Contents

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1.0 Project Background

The Subject Property is a commercial parcel located at 9700 Aurora Avenue North, Seattle, Washington as shown on Figure 1, *Vicinity Map*. The Subject Property is currently owned by Fay Garneau Properties, and is the site of the Clary's Transmission motor vehicle servicing operation. The property was the site of an out-of-service underground storage tank (UST) with an approximate capacity of 500 gallons formerly used to store used oil. The Owner retained Filco Company Inc. (Filco) to remove the UST and perform a site assessment required by the Washington State Department of Ecology (Ecology). A utility locate was performed to identify known underground utilities. The UST was covered by a concrete slab, a portion of which was removed by Filco.

2.0 General Site Conditions

The general area of the site slopes downward to the south at a grade of approximately 1% as shown on Figure 1, *Vicinity Map*. At the time of our site reconnaissance, the site appeared to have a generally flat relief. Site soils consisted of medium dense, moist, brown, silty sand (Unified Soil Classification symbol SM); which is consistent with the mapped geology of Qva (Vashon advance outwash deposits) as shown on Figure 2, Geology Map. Most of the soil encountered during site assessment activities was probable backfill similar in composition to what appeared to be native soil present in the bottom of the excavation.

3.0 UST Removal and Site Assessment

Filco provided the required 30-Day notice of the planned UST removal to Ecology. After receiving approval to remove the UST, Filco obtained the requisite commercial UST removal permit from the Seattle Fire Department, and arranged for the oversight of the tank removal by a Seattle Fire Inspector.

Marine Vacuum Services (Marvac) working under subcontract to Filco pumped approximately 20 gallons of oily-water from the UST and performed a triple rinse of the tank interior. The fluids were transported to the Marvac facility for treatment. After the UST was emptied, Filco broke out a section of the concrete paving above the UST to allow its removal. A Marine Chemist from Sound Testing tested the tank atmosphere and certified the UST as being safe for removal and offsite transport. A Seattle Fire Department inspector confirmed the UST was safe for removal.

Filco used a tracked excavator to unearth the UST. The UST was a sti-P3 steel tank with sacrificial anodes on each end. The tank was in good condition with very little corrosion observed. The UST was loaded onto a Filco vehicle for transport to Marvac's facility where it was prepared for recycling at Seattle Iron and Metals.

A Filco ICC-certified UST Site Assessor collected three site assessment soil samples from the east wall, base, and west wall of the UST removal basin (Sample ESW-6.5, Sample B-6.5, and Sample WSW-6.5) along with three samples from the stockpile of excavated overburden soils (Samples SS1, SS2, and SS3). Filco collected soil samples in 4 ounce jars for diesel-motor oil range total petroleum hydrocarbon (TPH), Carcinogenic Polynuclear Aromatic Hydrocarbons (cPAHs)

and total lead analysis. The samples collected for analysis of volatile organic compounds including gasoline TPH were collected using laboratory supplied collection equipment and containers following EPA Method 5035A protocols to minimize the potential loss of volatile compounds.

The samples were chilled with ice packs, placed in a cooler following chain of custody procedures and submitted to Friedman & Bruya, a Washington State certified analytical laboratory. The samples were submitted for analytical testing using the analytes listed in WAC 173-340-900 Table 830-1 (Required Testing for Petroleum Releases).

Friedman & Bruya analyzed each sample for the presence of diesel and motor oil range total petroleum hydrocarbons (TPH) using Northwest Analytical Method NWTPH-Dx. Two samples were selected for analysis for gasoline range TPH using Northwest Analytical Method NWTPH-Gx (Samples SS1 and ESW-6.5) and for the presence of total lead using EPA Analytical Method 200.8 (Samples SS1 and WSW-6.5). Two samples were selected for analysis for carcinogenic polynuclear aromatic hydrocarbons (CPAHs) using EPA Analytical Method 8270-SIM (Samples SS2 and B-6.5). Two samples were selected for analysis for volatile organic compounds using EPA Analytical Method 8260 (Samples SS2 and B-6.5). Two samples were selected for analysis of Polychlorinated Biphenyls (PCBs) using EPA Analytical Method 8082A (Samples SS3 and ESW-6.5). Analytical results are presented in Tables 1 through 4. Laboratory analytical certificates are located in Appendix A.

Table 1. Soil Sample Analytical Results
Total Diesel (C_{10}-C_{25}) and Motor Oil (C_{25}-C_{36}) Range Petroleum Hydrocarbons
Using Northwest Method NWTPH-Dx
Results in milligrams per kilograms equivalent to parts per million (ppm)

Sample Number	Date Collected	Type or Depth (fbg)	Diesel Range TPH	Motor Oil TPH	Status
SS1	10/6/2015	Stockpile	<50	<250	removed
SS2	10/6/2015	Stockpile	59x	<250	removed
SS3	10/6/2015	Stockpile	<50	<250	removed
WSW-6.5	10/6/2015	6.5	<50	<250	removed
B-6.5	10/6/2015	6.5	<50	<250	removed
ESW-6.5	10/6/2015	6.5	<50	<250	removed
NSW-RX-6.5	10/16/2015	6.5	<50	<250	in place
B-RX-7	10/16/2015	7.0	<50	<250	in place
WSW-RX-6.5	10/16/2015	6.5	<50	<250	removed
SSW-RX-6.5	10/16/2015	6.5	<50	<250	removed
ESW-RX-6.5	10/16/2015	6.5	290x	<250	in place
MTCA	Method A	Cleanup Level	2,000	2,000	

Sample Nomenclature: WSW= West sidewall, ESW=East sidewall, NSW=North sidewall, SSW=South sidewall, SP=Stockpile, Base=Bottom of excavation. X: The sample chromatographic pattern does not match the fuel standard used for quantification

Table 2. Soil Sample Analytical Results
Polychlorinated Biphenyls (PCBs) as Aroclors
Using EPA Method 8082A
Results in parts per million (ppm)

Sample	Date	Type	Aroclor 1221	Aroclor 1232	Aroclor 1016	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
SS3	10/6/2015	S	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
ESW-6.5	10/6/2015	A	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
NSW-RX-6.5	10/16/2015	C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
B-RX-7	10/16/2015	C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
WSW-RX-6.5	10/16/2015	C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
SSW-RX-6.5	10/16/2015	C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
ESW-RX-6.5	10/16/2015	C	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2	<0.2
MTCA	A CL in ppm		1.0	1.0	1.0	1.0	1.0	1.0	1.0

Nomenclature: S=stockpile sample, A=Assessment sample

Table 3. Soil Sample Analytical Results
Total VOCs including Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) Analyzed using EPA Method 8260C
Total Gasoline Range Petroleum Hydrocarbons Analyzed using Method NWTPH-Gx
Total Lead Analyzed using EPA Method 200.8
Results in Parts per Million (ppm)

Sample Number	Date	Type	Gasoline TPH	Benzene	Toluene	**Ethylbenzene**	Xylene	VOCs	Total Lead*
SS1	10/6/2015	S	<2	na	na	na	na	na	64.3
WSW-6.5	10/6/2015	A	<2	na	na	na	na	na	2.56
SS2	10/6/2015	S	na	<0.03	<0.05	<0.05	<0.1	ND @ MRLs	na
B-6.5	10/6/2015	A	na	<0.03	<0.05	<0.05	<0.1	ND @ MRLs	na
NSW-RX-6.5	10/16/2015	C	<2	<0.03	<0.05	<0.05	<0.1	ND @ MRLs	6.58
B-RX-7	10/16/2015	C	<2	<0.03	<0.05	<0.05	<0.1	ND @ MRLs	2.07
WSW-RX-6.5	10/16/2015	D	<2	<0.03	<0.05	<0.05	<0.1	ND @ MRLs	62.9
SSW-RX-6.5	10/16/2015	D	<2	<0.03	<0.05	<0.05	<0.1	ND @ MRLs	46.7
ESW-RX-6.5	10/16/2015	C	<2	<0.03	<0.05	<0.05	<0.1	ND @ MRLs	57.0
MTCA A Cls	in ppm		30/100	0.03	7	6	9*		250

Nomenclature: S= Stockpile Sample, A= Site Assessment Sample, C= Cleanup Confirmation Sample, D= Documentation Sample
9 ppm=cleanup level based on total xylenes (m,p xylene + o-xylene). Code na=not analyzed*

Table 4. Soil Sample Analytical Results

Polynuclear Aromatic Hydrocarbons (PAHs) using SW8270D SIM in parts per million (ppm)

SAMPLE	DATE	TYPE	Benzo(a)-Anthracene	Chrysene	Benzo(a)-pyrene)	Benzo(b)fluor-Anthene	Benzo(k) fluor-Anthene	Indeno (1,2,3d)pyrene	Dibenz(a,h)-anthracene	TEF (cPAHs)	STATUS
SS2	10/6/2015	**S**	3.2	3.0	2.5	2.5	0.83	1.4	0.34	3,357	removed
B-6.5	10/6/2015	**A**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	removed
NSW-RX-6.5	10/16/2015	**A**	0.081	0.087	0.070	0.066	0.027	0.048	<0.01	0.9307	removed
B-RX-7	10/16/2015	**C**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	in place
WSW-RX-6.5	10/16/2015	**D**	0.046	0.060	0.080	0.10	0.035	0.076	0.015	0.10780	removed
SSW-RX-6.5	10/16/2015	**D**	0.049	0.073	0.099	0.14	0.041	0.14	0.027	0.13943	removed
ESW-RX-6.5	10/16/2015	**C**	0.025	0.031	0.035	0.045	0.012	0.033	0.015	0.04831	in place
SSW-RX2-7	11/3/2015	**C**	0.038	0.052	0.046	0.069	0.024	0.047	0.011	0.06542	in place
WSW-RX2-7	11/3/2015	**C**	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	in place
MTCA	A	CL								0.1*	

Nomenclature/acronyms: **S**=**S**tockpile sample, **A**=Site **A**ssessment, **D**=**D**ocumentation sample, **C**=**C**leanup confirmation sample . *0.1 ppm (equivalent to 100 parts per billion (ppb) = soil cleanup level in ppm for carcinogenic PAHs (cPAHs); based on direct contact; (Table 740-1 (WAC-340-900)). The cPAH cleanup level is calculated by adding up weighted values of all carcinogenic PAHs using the formula as described in (Table 708-2) WAC 173-340-708(e) cPAH/TEF=Toxicity Equivalence Factors exceeding 0.1 ppm shown in Red.

4.0 Discussion of Analytical Results

Soil samples were collected during three separate events; the initial site assessment, five samples collected following preliminary remedial excavation activities, and then two samples collected following final remedial excavation activities.

4.1 Site Assessment Analytical Results

Site assessment samples collected on October 6, 2015 following removal of the UST were below MTCA A CLs for diesel-motor oil and gasoline range TPH and total lead. PCBs and VOCs were not detected above laboratory Method Reporting Limits (MRLs). The analytical results for the stockpile soil sample indicated impact by carcinogenic cPAHs (SS2 exhibited a calculated TEF value of 3,357 ppm, well above the cleanup level of 0.1 ppm). The bottom sample (B-6.5) did not exhibit cPAHs above the laboratory MRLs. The source of the cPAHs was unclear, since there did not appear to be a release of used oil from the tank system. The stockpiled soil was temporarily placed back into the excavation pending analytical results.

4.2 Initial Remedial Excavation Analytical Results

Stockpiled soil that had been temporarily placed back into the excavation was removed along with soil from each sidewall and bottom of the tank basin. Cleanup confirmation samples collected on October 16, 2015 following removal of soil from the bottom and all four sides of the excavation were all below MTCA A CLs for diesel-motor oil TPH and total lead. Gasoline TPH, PCBs, and VOCs were not detected above laboratory MRLs. The analytical results for the sample collected from the west sidewall (WSW-RX-6.5) exhibited a calculated TEF value of 0.1078 ppm. The analytical results for the sample collected from the south sidewall (SSW-RX-6.5) exhibited a calculated TEF value of 0.13943 ppm. All other samples exhibited calculated TEF values less than 0.1 ppm. The source of the cPAHs remained unknown, since there did not appear to be a correlation between low levels of diesel and motor oil TPH found in sample ESW-RX-6.5 (290 ppm) and the presence of cPAHs. Based on the second round of sampling, additional remedial excavation was performed along the southern and western sidewalls.

4.3 Final Remedial Excavation Analytical Results

During the second phase of remedial excavation activities, the apparent source of the cPAHs was discovered; creosoted timbers. The timbers and adjacent soil was removed and the two sidewalls resampled. Cleanup confirmation samples collected on November 3, 2015 following removal of soil along the western (<0.01 ppm TEF) and southern sidewalls (0.06542 ppm TEF) exhibited calculated TEF values under the 0.1 ppm threshold. No further remedial excavation was performed based on the final cleanup confirmation sample results.

5.0 Conclusions and Recommendations

A total of 23.85 tons of impacted soil was excavated on October 16 and November 3, 2015. The impacted soil was transported off site to Waste Management's Alaska Street drop off facility in Seattle, Washington with eventual transport to their Columbia Ridge, Subtitle D Landfill, located in Arlington, Oregon. Landfill disposal documentation is located in Appendix B. The Subject Property was backfilled with clean imported Type 17 sandy gravel. The concrete slab will be replaced at a future date. Remedial excavation was successful, removing cPAH-impacted soil from all areas and bringing the site into compliance with the applicable MTCA A CLs. A release from the UST was not the apparent source of the cPAHs. The source of the cPAHs was attributed to the presence of creosoted timbers that were not part of the UST system. Therefore, it is Filco's opinion that there was no release from the UST system. No

release reporting to the Washington State Department of Ecology UST program appears to be required. The creosote timbers and associated soils were removed from the Site. No further assessment appears to be warranted. Groundwater was not observed in the remedial excavation. Washington State Department of Ecology Site assessment forms and project permits are located in Appendix C.

6.0 Statement of Existing Conditions and Limitations

The results of this independent cleanup do not preclude the existence of impacts to soil or groundwater in areas on or off the Subject Property that were not sampled during the course of the project. Filco does not warrant that additional tanks or soil contamination does not exist on the Subject Property, or that migration of contamination on to the Subject Property has not occurred from offsite properties. If other tanks or contaminant sources are subsequently discovered, Filco is not liable for such subsequent discoveries.

Work by Filco associated with this task was performed, and this report was prepared in accordance with generally accepted professional practices for work of this nature, at the time it was performed. No warranty, expressed or implied, is made. Should you have any questions regarding this report or any of the activities and analytical results documented herein, please do not hesitate to contact Filco.

FILCO COMPANY INCORPORATED

State of Washington
Hydrogeologist
677
Licensed Geologist
RICHARD NEWTON SIMPSON

Richard N. Simpson, L.G, L.H.G
Senior Geologist/ Hydrogeologist
Washington State Site Assessor

Phil Suetens
Filco Company Inc., President

FIGURE 1: Vicinity Map
FIGURE 2: Geology Map
FIGURE 3: Site Schematic – Cleanup Confirmation Sample Locations and Final Excavation Limits
FIGURE 4: Project Photographs

APPENDIX A: ANALYTICAL RESULTS
APPENDIX B: SOIL DISPOSAL DOCUMENTATION
APPENDIX C: ECOLOGY SITE ASSESSMENT FORMS & PERMITS

7.0 References

1. Guidance for Remediation of Petroleum Contaminated Sites – Washington State Department of Ecology Toxics Cleanup Program, Revised October 2011.
2. Guidance for Remediation of Releases from Underground Storage Tanks – Washington State Department of Ecology Toxics Cleanup Program, July 1991.
3. Guidance for Site Checks and Site Assessments for Underground Storage Tanks – Washington State Department of Ecology, Revised October 1992.
5. Washington State Model Toxics Control Act – Chapter 173-340 WAC.
6. Underground Storage Tank Regulations – Chapter 173-360 WAC.

FIGURES

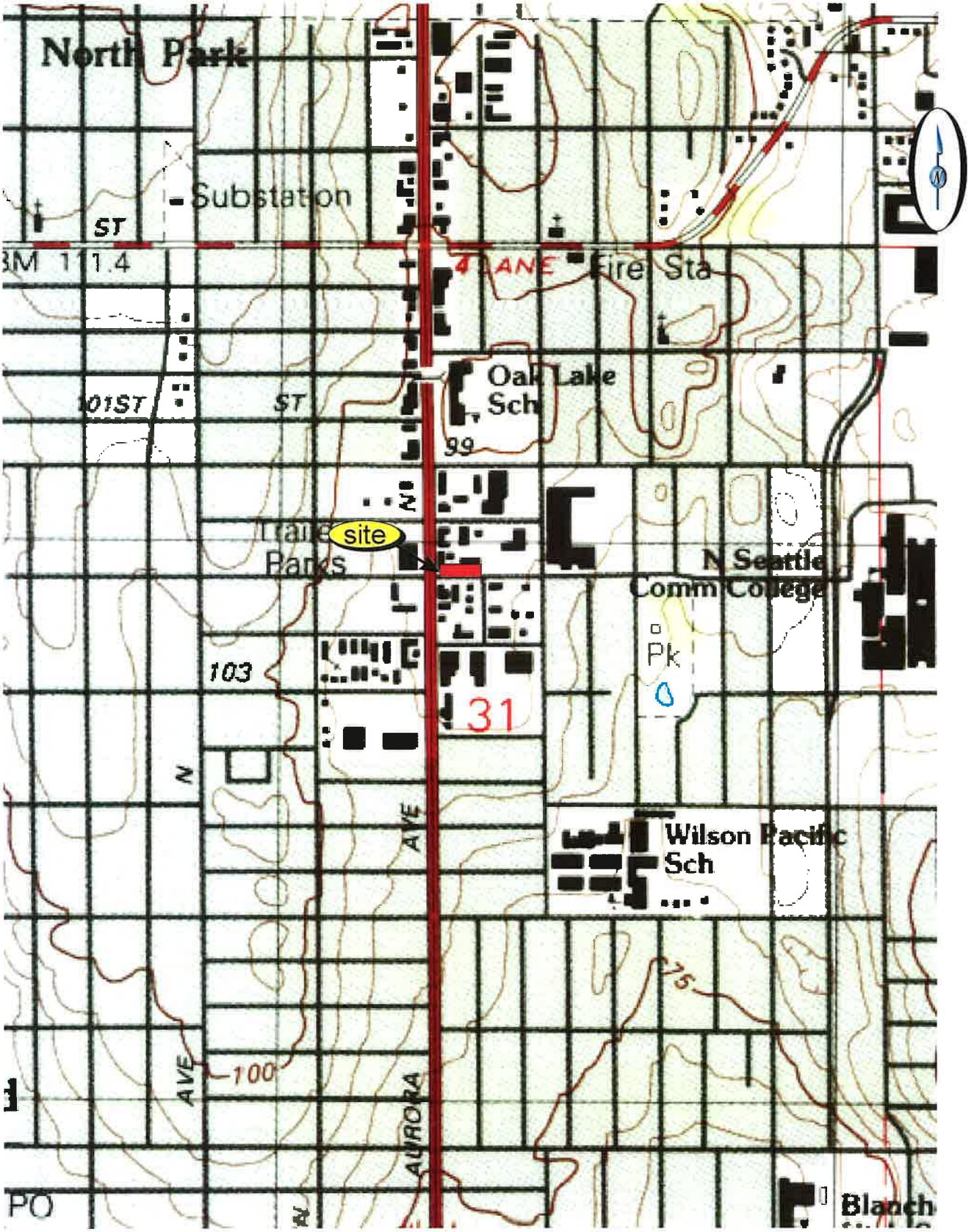

Figure 1. Vicinity Map
USGS Seattle North Topographic Map (1983)
Contour Interval 5 Meters

Site Address: 9700 Aurora Avenue North, Seattle, Washington 98103

FILCO JOB NUMBER 24741

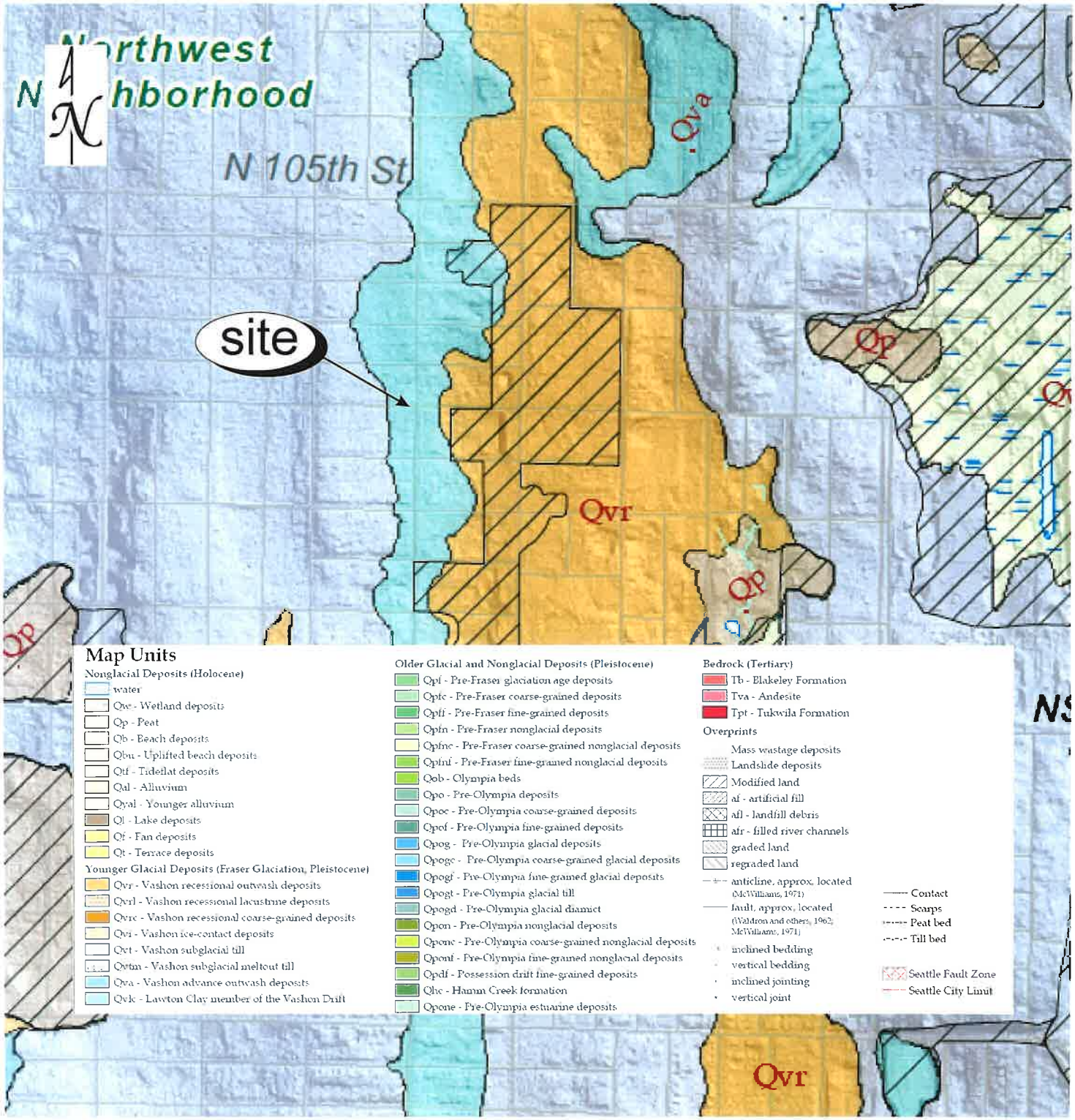

Figure 2. Geology Map

The Geologic Map of Seattle, A Progress Report

USGS OFR 2005-1252 (Booth, Troost, Wisher, Shimel, 2005)

9700 Aurora Avenue North, Seattle, Washington, 98103

FILCO JOB NUMBER 24741

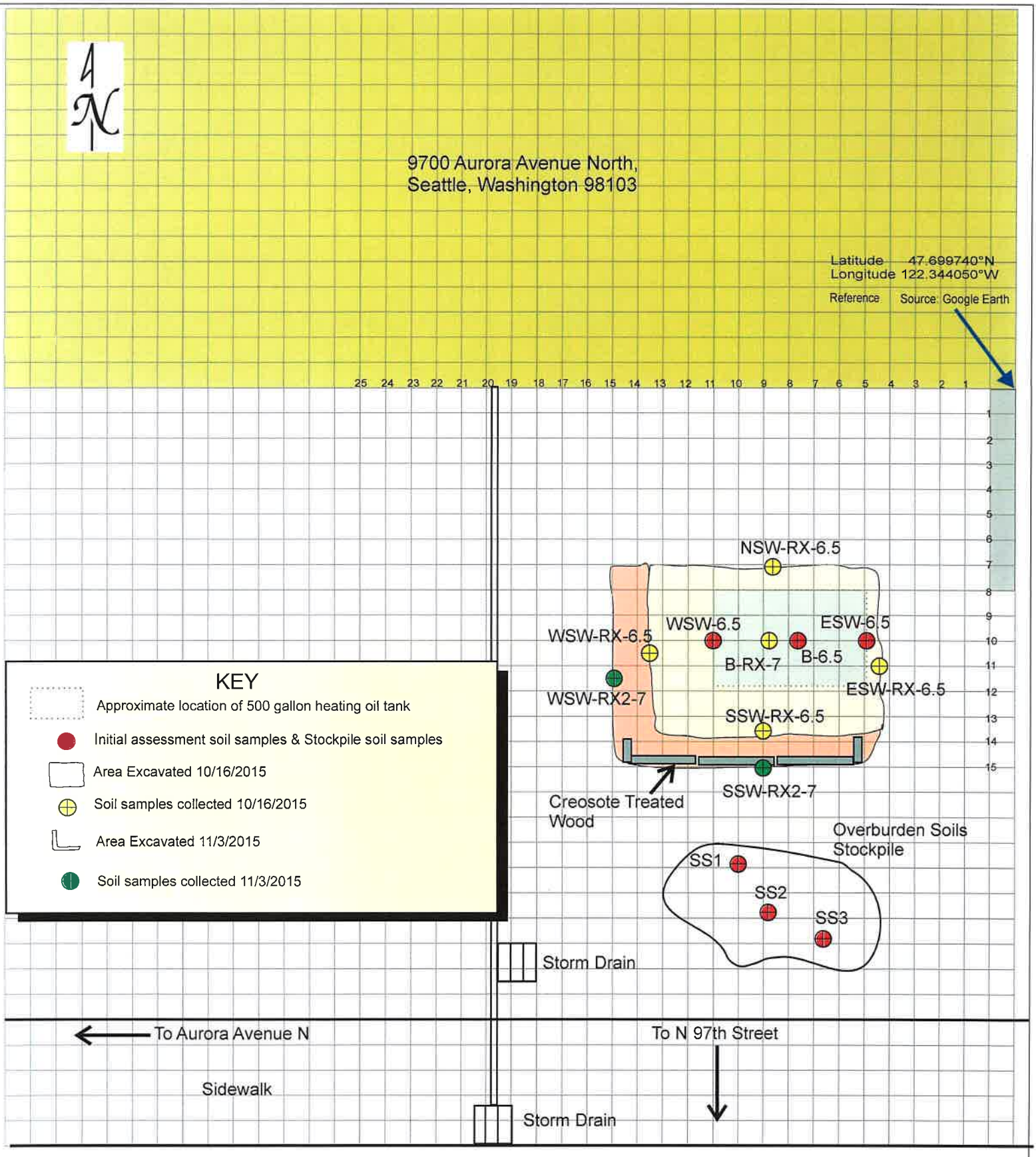

Figure 3. Site Schematic
Site Characterization-Remedial Investigation/Feasibility Study
Site Address: 9700 Aurora Avenue North, Seattle, Washington 98103
FILCO JOB NUMBER 24741

SCALE
one inch = 5 feet
0 2.5 5

FILCO COMPANY INCORPORATED
P.O Box 31228, Seattle, Washington 98103

FIGURE 4: SITE PHOTOGRAPHS

Photograph 7. The tank pit excavation was deepened and widened.

Photograph 8. Soil samples were collected to check for levels of contaminants of concern following the initial remedial excavation effort.

Photograph 9. Several creosoted timbers were uncovered during the second phase of remedial excavation. The timbers are the most probable source of the cPAHs.

Photograph 10. Following collection of cleanup confirmation samples showing compliance with MTCA A CLs, the excavation was backfilled and compacted.

Photograph 11. The upper portion of the excavation was backfilled with 5/8 minus crushed gravel.

Photograph 12. The project area was backfilled to the surface, pending final concrete work.

APPENDIX A
LABORATORY ANALYTICAL CERTIFICATES

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

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October 13, 2015

Richard Simpson, Project Manager
Filco Company, Inc.
PO Box 31228
Seattle, WA 98103

Dear Mr. Simpson:

Included are the results from the testing of material submitted on October 7, 2015 from the 9700 Aurora Ave, F&BI 510097 project. There are 22 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Matthew Langston
Project Manager

Enclosures
FCI1013R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097
Date Extracted: 10/07/15
Date Analyzed: 10/07/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 58-139)
SS1 510097-01	<2	91
ESW-6.5 510097-06	<2	92
Method Blank 05-2046 MB	<2	94

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097
Date Extracted: 10/07/15
Date Analyzed: 10/07/15

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)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 56-165)
SS1 510097-01	<50	<250	93
SS2 510097-02	<50	<250	103
SS3 510097-03	59 x	<250	102
WSW-6.5 510097-04	<50	<250	103
B-6.5 510097-05	<50	<250	99
ESW-6.5 510097-06	<50	<250	103
Method Blank 05-2059 MB2	<50	<250	102

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	SS1	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/08/15	Lab ID:	510097-01
Date Analyzed:	10/08/15	Data File:	510097-01.015
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	64.3

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	WSW-6.5	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/08/15	Lab ID:	510097-04
Date Analyzed:	10/08/15	Data File:	510097-04.016
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	98	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	2.56

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Filco Company
Date Received:	NA	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/08/15	Lab ID:	I5-578 mb
Date Analyzed:	10/08/15	Data File:	I5-578 mb.008
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Internal Standard:	% Recovery:	Lower Limit:	Upper Limit:
Holmium	102	60	125

Analyte:	Concentration mg/kg (ppm)
Lead	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	SS2	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	510097-02 1/50
Date Analyzed:	10/08/15	Data File:	100810.D
Matrix:	Soil	Instrument:	GCMS10
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	142 d	38	162
Benzo(a)anthracene-d12	131 d	22	160

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	3.2
Chrysene	3.0
Benzo(a)pyrene	2.5
Benzo(b)fluoranthene	2.5
Benzo(k)fluoranthene	0.83
Indeno(1,2,3-cd)pyrene	1.4
Dibenz(a,h)anthracene	0.34

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	B-6.5	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	510097-05 1/5
Date Analyzed:	10/08/15	Data File:	100806.D
Matrix:	Soil	Instrument:	GCMS10
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	118	38	162
Benzo(a)anthracene-d12	127	22	160

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Filco Company
Date Received:	Not Applicable	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	05-2062 mb2 1/5
Date Analyzed:	10/07/15	Data File:	100726.D
Matrix:	Soil	Instrument:	GCMS10
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	119	38	162
Benzo(a)anthracene-d12	119	22	160

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	SS2	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	510097-02
Date Analyzed:	10/07/15	Data File:	100709.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	99	81	119

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichlorcethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-6.5	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	510097-05
Date Analyzed:	10/07/15	Data File:	100710.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	99	81	119

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Filco Company
Date Received:	Not Applicable	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	05-2023 mb .
Date Analyzed:	10/07/15	Data File:	100708.D
Matrix:	Soil	Instrument:	GCMS9
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	105	89	113
Toluene-d8	99	64	137
4-Bromofluorobenzene	99	81	119

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	SS3	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	510097-03 1/50
Date Analyzed:	10/08/15	Data File:	05.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	95 d	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.2
Aroclor 1232	<0.2
Aroclor 1016	<0.2
Aroclor 1242	<0.2
Aroclor 1248	<0.2
Aroclor 1254	<0.2
Aroclor 1260	<0.2

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	ESW-6.5	Client:	Filco Company
Date Received:	10/07/15	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	510097-06 1/50
Date Analyzed:	10/08/15	Data File:	06.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	85 d	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.2
Aroclor 1232	<0.2
Aroclor 1016	<0.2
Aroclor 1242	<0.2
Aroclor 1248	<0.2
Aroclor 1254	<0.2
Aroclor 1260	<0.2

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Filco Company
Date Received:	Not Applicable	Project:	9700 Aurora Ave, F&BI 510097
Date Extracted:	10/07/15	Lab ID:	05-2058 mb3 1/5
Date Analyzed:	10/08/15	Data File:	100804.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	86	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Gasoline	mg/kg (ppm)	20	100	100	71-131	0

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 510063-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	110	109	109	73-135	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	109	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TOTAL METALS USING EPA METHOD 200.8

Laboratory Code: 510109-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	mg/kg (ppm)	50	4.80	92	89	59-148	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	106	80-120

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

Laboratory Code: 510070-19 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	103	46-149
Chrysene	mg/kg (ppm)	0.17	<0.01	105	50-150
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	<0.01	92	50-150
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	93	44-148
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	91	46-144
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	84	50-150
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	86	50-150

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.17	102	98	70-130	4
Chrysene	mg/kg (ppm)	0.17	108	103	70-130	5
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	92	90	57-127	2
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	100	95	70-130	5
Benzo(a)pyrene	mg/kg (ppm)	0.17	88	83	61-112	6
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	97	89	48-135	9
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	100	93	51-136	7

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510104-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	14	11	10-56	24 vo
Chloromethane	mg/kg (ppm)	2.5	<0.5	38	34	10-90	11
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	35	29	10-91	19
Bromomethane	mg/kg (ppm)	2.5	<0.5	57	48	10-110	17
Chloroethane	mg/kg (ppm)	2.5	<0.5	47	40	10-101	16
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	33	26	10-95	24 vo
Acetone	mg/kg (ppm)	12.5	<0.5	76	73	11-141	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	45	38	11-103	17
Hexane	mg/kg (ppm)	2.5	<0.25	14	11	10-95	24 vo
Methylene chloride	mg/kg (ppm)	2.5	<0.5	64	58	14-128	10
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	75	69	17-134	8
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	54	47	13-112	14
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	62	55	23-115	12
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	74	59	18-117	23 vo
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	67	60	25-120	11
Chloroform	mg/kg (ppm)	2.5	<0.05	69	62	29-117	11
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	78	78	20-133	0
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	65	59	22-124	10
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	61	51	27-112	18
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	52	45	26-107	14
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	60	49	22-115	20
Benzene	mg/kg (ppm)	2.5	<0.03	59	53	26-114	11
Trichloroethene	mg/kg (ppm)	2.5	<0.02	59	52	30-112	13
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	65	61	31-119	6
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	74	67	31-131	10
Dibromomethane	mg/kg (ppm)	2.5	<0.05	69	65	27-124	6
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	82	82	16-147	0
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	74	69	28-137	7
Toluene	mg/kg (ppm)	2.5	<0.05	55	49	34-112	12
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	72	69	30-136	4
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	70	67	32-126	4
2-Hexanone	mg/kg (ppm)	12.5	<0.5	79	80	17-147	1
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	66	64	29-125	3
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	44	36	25-114	20
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	75	69	32-143	8
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	72	70	32-126	3
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	60	55	37-113	9
Ethylbenzene	mg/kg (ppm)	2.5	<0.05	52	45	34-115	14
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	74	66	35-126	11
m,p-Xylene	mg/kg (ppm)	5	<0.1	52	44	25-125	17
o-Xylene	mg/kg (ppm)	2.5	<0.05	56	46	27-126	20
Styrene	mg/kg (ppm)	2.5	<0.05	62	54	39-121	14
Isopropylbenzene	mg/kg (ppm)	2.5	0.055	50	40	34-123	22 vo
Bromoform	mg/kg (ppm)	2.5	<0.05	77	67	18-155	14
n-Propylbenzene	mg/kg (ppm)	2.5	0.10	44	38	31-120	15
Bromobenzene	mg/kg (ppm)	2.5	<0.05	57	53	40-115	7
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	41	34	24-130	19
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	76	73	27-148	4
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	68	66	33-123	3
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	51	45	39-110	12
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	51	46	39-111	10
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	45	35 vo	36-116	25 vo
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	<0.05	44	37	35-116	17
sec-Butylbenzene	mg/kg (ppm)	2.5	0.12	43	34	33-118	23 vo
p-Isopropyltoluene	mg/kg (ppm)	2.5	<0.05	39	30 vo	32-119	26 vo
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	51	44	38-111	15
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	52	45	39-109	14
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	59	53	40-111	11
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	92	81	37-122	13
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	48	39	31-121	21 vo
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	38	29	24-128	27 vo
Naphthalene	mg/kg (ppm)	2.5	<0.05	70	62	24-139	12
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	55	46	35-117	18

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	52	10-76
Chloromethane	mg/kg (ppm)	2.5	73	34-98
Vinyl chloride	mg/kg (ppm)	2.5	82	42-107
Bromomethane	mg/kg (ppm)	2.5	85	46-113
Chloroethane	mg/kg (ppm)	2.5	90	47-115
Trichlorofluoromethane	mg/kg (ppm)	2.5	90	53-112
Acetone	mg/kg (ppm)	12.5	113	39-147
1,1-Dichloroethene	mg/kg (ppm)	2.5	94	65-110
Hexane	mg/kg (ppm)	2.5	89	55-107
Methylene chloride	mg/kg (ppm)	2.5	101	50-127
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	105	72-122
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	98	71-113
1,1-Dichloroethane	mg/kg (ppm)	2.5	102	74-109
2,2-Dichloropropane	mg/kg (ppm)	2.5	127	64-151
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	104	73-110
Chloroform	mg/kg (ppm)	2.5	106	76-110
2-Butanone (MEK)	mg/kg (ppm)	12.5	107	60-121
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	97	73-111
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	114	72-116
1,1-Dichloropropene	mg/kg (ppm)	2.5	105	72-112
Carbon tetrachloride	mg/kg (ppm)	2.5	126 vo	67-123
Benzene	mg/kg (ppm)	2.5	98	72-106
Trichloroethene	mg/kg (ppm)	2.5	103	72-107
1,2-Dichloropropane	mg/kg (ppm)	2.5	106	74-115
Bromodichloromethane	mg/kg (ppm)	2.5	114	75-126
Dibromomethane	mg/kg (ppm)	2.5	108	76-116
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	112	80-128
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	117	71-138
Toluene	mg/kg (ppm)	2.5	99	74-111
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	117	77-135
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	106	77-116
2-Hexanone	mg/kg (ppm)	12.5	109	70-129
1,3-Dichloropropane	mg/kg (ppm)	2.5	102	75-115
Tetrachloroethene	mg/kg (ppm)	2.5	107	73-111
Dibromochloromethane	mg/kg (ppm)	2.5	123	64-152
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	119 vo	77-117
Chlorobenzene	mg/kg (ppm)	2.5	103	76-109
Ethylbenzene	mg/kg (ppm)	2.5	104	75-112
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	124	76-125
m,p-Xylene	mg/kg (ppm)	5	106	77-115
o-Xylene	mg/kg (ppm)	2.5	107	76-115
Styrene	mg/kg (ppm)	2.5	109	76-119
Isopropylbenzene	mg/kg (ppm)	2.5	107	76-120
Bromoform	mg/kg (ppm)	2.5	122	50-174
n-Propylbenzene	mg/kg (ppm)	2.5	106	77-115
Bromobenzene	mg/kg (ppm)	2.5	103	76-112
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	107	77-121
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	105	74-121
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	104	74-116
2-Chlorotoluene	mg/kg (ppm)	2.5	106	75-113
4-Chlorotoluene	mg/kg (ppm)	2.5	105	77-115
tert-Butylbenzene	mg/kg (ppm)	2.5	109	77-123
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	108	77-119
sec-Butylbenzene	mg/kg (ppm)	2.5	110	78-120
p-Isopropyltoluene	mg/kg (ppm)	2.5	110	77-120
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	104	76-112
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	103	74-109
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	104	75-114
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	137 vo	68-122
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	105	75-122
Hexachlorobutadiene	mg/kg (ppm)	2.5	121	74-130
Naphthalene	mg/kg (ppm)	2.5	109	73-122
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	107	75-117

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/13/15
Date Received: 10/07/15
Project: 9700 Aurora Ave, F&BI 510097

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 510078-02 1/5 (Matrix Spike) 1/5

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Control Limits
Aroclor 1016	mg/kg (ppm)	0.8	<0.02	62	50-150
Aroclor 1260	mg/kg (ppm)	0.8	<0.02	67	50-150

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.8	82	81	55-130	1
Aroclor 1260	mg/kg (ppm)	0.8	88	87	58-133	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

510097

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www.FilcoEnviro.com

Richard Simpson LG, LHg

Senior Geologist-Hydrogeologist

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Office: 206-547-8347 Fax: 206-548-9352

Street Address: 13190 Stone Avenue North, Seattle, WA 98133

Mailing Address: P.O. Box 31228, Seattle, WA 98103

SAMPLE CHAIN OF CUSTODY

ME 10/07/15 VS2/BI2

SAMPLERS *(signature)*

PROJECT NAME/NO. 9700 Aurora Ave

PO.#

REMARKS 8260 - include EDB, MTBE

Page # 1 of 1

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel Dx	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	TPHGX BTEX	Total Pb	PCBs	cPAHs		Notes
SS1	01 A-E	10.6.15	1100	soil	5	X	X						X				
SS 2	02		1105		5	X			X						X		
SS 3	03		1130		5	X								X			
WSW-6.5	04		1115		5	X							X				
B-6.5	05		1120		5	X			X						X		
ESW-6.5	06	10.6.15	1125	Soil	5	X	X							X			

Samples received at 5 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Richard Simpson	FILCO	10-7	10:15
Received by:		Jared Underdown	Fedex	10-7	10:15
Relinquished by:					
Received by:					

Samples received at [illegible] °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
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3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

October 27, 2015

Richard Simpson, Project Manager
Filco Company, Inc.
PO Box 31228
Seattle, WA 98103

Dear Mr. Simpson:

Included are the results from the testing of material submitted on October 16, 2015 from the 9700 Aurora, PO 24741, F&BI 510246 project. There are 27 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Matthew Langston
Project Manager

Enclosures
FCI1027R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246
Date Extracted: 10/16/15
Date Analyzed: 10/16/15

RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS GASOLINE USING METHOD NWTPH-Gx

Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)

Sample ID Laboratory ID	Gasoline Range	Surrogate (% Recovery) (Limit 50-150)
NSW-RX-6.5 510246-01	<2	99
B-RX-7 510246-02	<2	98
WSW-RX-6.5 510246-03	<2	98
SSW-RX-6.5 510246-04	<2	97
ESW-RX-6.5 510246-05	<2	96
Method Blank 05-2128 MB	<2	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246
Date Extracted: 10/16/15
Date Analyzed: 10/16/15

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)

Sample ID Laboratory ID	Diesel Range (C_{10}-C_{25})	Motor Oil Range (C_{25}-C_{36})	Surrogate (% Recovery) (Limit 53-144)
NSW-RX-6.5 510246-01	<50	<250	94
B-RX-7 510246-02	<50	<250	97
WSW-RX-6.5 510246-03	<50	<250	91
SSW-RX-6.5 510246-04	<50	<250	100
ESW-RX-6.5 510246-05	290 x	760	91
Method Blank 05-2139 MB	<50	<250	95

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	NSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/16/15	Lab ID:	510246-01
Date Analyzed:	10/16/15	Data File:	101636.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	B-RX-7	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/16/15	Lab ID:	510246-02
Date Analyzed:	10/16/15	Data File:	101637.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	99	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	WSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/16/15	Lab ID:	510246-03
Date Analyzed:	10/17/15	Data File:	101638.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	100	55	145
4-Bromofluorobenzene	99	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	SSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/16/15	Lab ID:	510246-04
Date Analyzed:	10/17/15	Data File:	101639.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	101	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	ESW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/16/15	Lab ID:	510246-05
Date Analyzed:	10/17/15	Data File:	101640.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	102	62	142
Toluene-d8	101	55	145
4-Bromofluorobenzene	100	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Filco Company
Date Received:	Not Applicable	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/16/15	Lab ID:	05-2106 mb2
Date Analyzed:	10/16/15	Data File:	101617.D
Matrix:	Soil	Instrument:	GCMS4
Units:	mg/kg (ppm) Dry Weight	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	62	142
Toluene-d8	102	55	145
4-Bromofluorobenzene	102	65	139

Compounds:	Concentration mg/kg (ppm)	Compounds:	Concentration mg/kg (ppm)
Dichlorodifluoromethane	<0.5	1,3-Dichloropropane	<0.05
Chloromethane	<0.5	Tetrachloroethene	<0.025
Vinyl chloride	<0.05	Dibromochloromethane	<0.05
Bromomethane	<0.5	1,2-Dibromoethane (EDB)	<0.05
Chloroethane	<0.5	Chlorobenzene	<0.05
Trichlorofluoromethane	<0.5	Ethylbenzene	<0.05
Acetone	<0.5	1,1,1,2-Tetrachloroethane	<0.05
1,1-Dichloroethene	<0.05	m,p-Xylene	<0.1
Hexane	<0.25	o-Xylene	<0.05
Methylene chloride	<0.5	Styrene	<0.05
Methyl t-butyl ether (MTBE)	<0.05	Isopropylbenzene	<0.05
trans-1,2-Dichloroethene	<0.05	Bromoform	<0.05
1,1-Dichloroethane	<0.05	n-Propylbenzene	<0.05
2,2-Dichloropropane	<0.05	Bromobenzene	<0.05
cis-1,2-Dichloroethene	<0.05	1,3,5-Trimethylbenzene	<0.05
Chloroform	<0.05	1,1,2,2-Tetrachloroethane	<0.05
2-Butanone (MEK)	<0.5	1,2,3-Trichloropropane	<0.05
1,2-Dichloroethane (EDC)	<0.05	2-Chlorotoluene	<0.05
1,1,1-Trichloroethane	<0.05	4-Chlorotoluene	<0.05
1,1-Dichloropropene	<0.05	tert-Butylbenzene	<0.05
Carbon tetrachloride	<0.05	1,2,4-Trimethylbenzene	<0.05
Benzene	<0.03	sec-Butylbenzene	<0.05
Trichloroethene	<0.02	p-Isopropyltoluene	<0.05
1,2-Dichloropropane	<0.05	1,3-Dichlorobenzene	<0.05
Bromodichloromethane	<0.05	1,4-Dichlorobenzene	<0.05
Dibromomethane	<0.05	1,2-Dichlorobenzene	<0.05
4-Methyl-2-pentanone	<0.5	1,2-Dibromo-3-chloropropane	<0.5
cis-1,3-Dichloropropene	<0.05	1,2,4-Trichlorobenzene	<0.25
Toluene	<0.05	Hexachlorobutadiene	<0.25
trans-1,3-Dichloropropene	<0.05	Naphthalene	<0.05
1,1,2-Trichloroethane	<0.05	1,2,3-Trichlorobenzene	<0.25
2-Hexanone	<0.5		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	NSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/20/15	Lab ID:	510246-01 1/5
Date Analyzed:	10/20/15	Data File:	102007.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	98	31	163
Benzo(a)anthracene-d12	102	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	0.081
Chrysene	0.087
Benzo(a)pyrene	0.070
Benzo(b)fluoranthene	0.066
Benzo(k)fluoranthene	0.027
Indeno(1,2,3-cd)pyrene	0.048
Dibenz(a,h)anthracene	<0.01

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	B-RX-7	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/20/15	Lab ID:	510246-02 1/5
Date Analyzed:	10/20/15	Data File:	102009.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	86	31	163
Benzo(a)anthracene-d12	91	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	WSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/20/15	Lab ID:	510246-03 1/5
Date Analyzed:	10/20/15	Data File:	102010.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	97	31	163
Benzo(a)anthracene-d12	101	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	0.046
Chrysene	0.060
Benzo(a)pyrene	0.080
Benzo(b)fluoranthene	0.10
Benzo(k)fluoranthene	0.035
Indeno(1,2,3-cd)pyrene	0.076
Dibenz(a,h)anthracene	0.015

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	SSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/20/15	Lab ID:	510246-04 1/5
Date Analyzed:	10/20/15	Data File:	102011.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	99	31	163
Benzo(a)anthracene-d12	115	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	0.049
Chrysene	0.073
Benzo(a)pyrene	0.099
Benzo(b)fluoranthene	0.14
Benzo(k)fluoranthene	0.041
Indeno(1,2,3-cd)pyrene	0.14
Dibenz(a,h)anthracene	0.027

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	ESW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/20/15	Lab ID:	510246-05 1/5
Date Analyzed:	10/20/15	Data File:	102012.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	84	31	163
Benzo(a)anthracene-d12	121	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	0.025
Chrysene	0.031
Benzo(a)pyrene	0.035
Benzo(b)fluoranthene	0.045
Benzo(k)fluoranthene	0.012
Indeno(1,2,3-cd)pyrene	0.033
Dibenz(a,h)anthracene	0.015

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Filco Company
Date Received:	Not Applicable	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/20/15	Lab ID:	05-2146 mb 1/5
Date Analyzed:	10/20/15	Data File:	102005.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	98	31	163
Benzo(a)anthracene-d12	103	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	NSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/19/15	Lab ID:	510246-01 1/5
Date Analyzed:	10/21/15	Data File:	05.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	85	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	B-RX-7	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/19/15	Lab ID:	510246-02 1/5
Date Analyzed:	10/21/15	Data File:	06.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	75	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	WSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/19/15	Lab ID:	510246-03 1/5
Date Analyzed:	10/21/15	Data File:	07.D\ECD1A.C
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	85	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	SSW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/19/15	Lab ID:	510246-04 1/5
Date Analyzed:	10/21/15	Data File:	08.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	87	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	ESW-RX-6.5	Client:	Filco Company
Date Received:	10/16/15	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/19/15	Lab ID:	510246-05 1/5
Date Analyzed:	10/21/15	Data File:	09.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	74	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Filco Company
Date Received:	NA	Project:	9700 Aurora, PO 24741, F&BI 510246
Date Extracted:	10/19/15	Lab ID:	05-2141 mb 1/5
Date Analyzed:	10/19/15	Data File:	06.D\ECD1A.CH
Matrix:	Soil	Instrument:	GC7
Units:	mg/kg (ppm) Dry Weight	Operator:	ya

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	88	29	154

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<0.02
Aroclor 1232	<0.02
Aroclor 1016	<0.02
Aroclor 1242	<0.02
Aroclor 1248	<0.02
Aroclor 1254	<0.02
Aroclor 1260	<0.02

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR TPH AS GASOLINE USING METHOD NWTPH-Gx

Laboratory Code: 510234-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Gasoline	mg/kg (ppm)	20	115	61-153

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246

QUALITY ASSURANCE RESULTS FROM THE ANALYSIS OF SOIL SAMPLES FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL EXTENDED USING METHOD NWTPH-Dx

Laboratory Code: 510246-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	mg/kg (ppm)	5,000	<50	114	114	64-133	0

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	106	58-147

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: 510160-02 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	mg/kg (ppm)	2.5	<0.5	18	10-142
Chloromethane	mg/kg (ppm)	2.5	<0.5	45	10-126
Vinyl chloride	mg/kg (ppm)	2.5	<0.05	43	10-138
Bromomethane	mg/kg (ppm)	2.5	<0.5	56	10-163
Chloroethane	mg/kg (ppm)	2.5	<0.5	63	10-176
Trichlorofluoromethane	mg/kg (ppm)	2.5	<0.5	45	10-176
Acetone	mg/kg (ppm)	12.5	0.48	77	10-163
1,1-Dichloroethene	mg/kg (ppm)	2.5	<0.05	51	10-160
Hexane	mg/kg (ppm)	2.5	0.28	21	10-137
Methylene chloride	mg/kg (ppm)	2.5	<0.5	79	10-156
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	<0.05	79	21-145
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	61	14-137
1,1-Dichloroethane	mg/kg (ppm)	2.5	<0.05	70	19-140
2,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	57	10-158
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	<0.05	72	25-135
Chloroform	mg/kg (ppm)	2.5	<0.05	74	21-145
2-Butanone (MEK)	mg/kg (ppm)	12.5	<0.5	80	19-147
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	<0.05	72	12-160
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	<0.05	57	10-156
1,1-Dichloropropene	mg/kg (ppm)	2.5	<0.05	56	17-140
Carbon tetrachloride	mg/kg (ppm)	2.5	<0.05	48	9-164
Benzene	mg/kg (ppm)	2.5	0.24	63	29-129
Trichloroethene	mg/kg (ppm)	2.5	<0.02	60	21-139
1,2-Dichloropropane	mg/kg (ppm)	2.5	<0.05	71	30-135
Bromodichloromethane	mg/kg (ppm)	2.5	<0.05	71	23-155
Dibromomethane	mg/kg (ppm)	2.5	<0.05	74	23-145
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	<0.5	93	24-155
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	72	28-144
Toluene	mg/kg (ppm)	2.5	5.1	67 b	35-130
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	<0.05	70	26-149
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	<0.05	75	10-205
2-Hexanone	mg/kg (ppm)	12.5	<0.5	89	15-166
1,3-Dichloropropane	mg/kg (ppm)	2.5	<0.05	72	31-137
Tetrachloroethene	mg/kg (ppm)	2.5	<0.025	39	20-133
Dibromochloromethane	mg/kg (ppm)	2.5	<0.05	66	28-150
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	<0.05	67	28-142
Chlorobenzene	mg/kg (ppm)	2.5	<0.05	62	32-129
Ethylbenzene	mg/kg (ppm)	2.5	4.5	70 b	32-137
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	62	31-143
m,p-Xylene	mg/kg (ppm)	5	19	76 b	34-136
o-Xylene	mg/kg (ppm)	2.5	9.6	77 b	33-134
Styrene	mg/kg (ppm)	2.5	<0.05	69	35-137
Isopropylbenzene	mg/kg (ppm)	2.5	1.5	51 b	31-142
Bromoform	mg/kg (ppm)	2.5	<0.05	57	21-156
n-Propylbenzene	mg/kg (ppm)	2.5	4.5	64 b	23-146
Bromobenzene	mg/kg (ppm)	2.5	<0.05	60	34-130
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	6.3	61 b	18-149
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	<0.05	74	28-140
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	<0.05	75	25-144
2-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	136 vo	31-134
4-Chlorotoluene	mg/kg (ppm)	2.5	<0.05	72	31-136
tert-Butylbenzene	mg/kg (ppm)	2.5	<0.05	38	30-137
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	23	127 b	10-182
sec-Butylbenzene	mg/kg (ppm)	2.5	2.0	43 b	23-145
p-Isopropyltoluene	mg/kg (ppm)	2.5	1.2	39 b	21-149
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	49	30-131
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	50	29-129
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	<0.05	56	31-132
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	<0.5	77	11-161
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	36	22-142
Hexachlorobutadiene	mg/kg (ppm)	2.5	<0.25	23	10-142
Naphthalene	mg/kg (ppm)	2.5	2.9	58 b	14-157
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	<0.25	41	20-144

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR VOLATILES BY EPA METHOD 8260C

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Dichlorodifluoromethane	mg/kg (ppm)	2.5	47	40	10-146	16
Chloromethane	mg/kg (ppm)	2.5	68	66	27-133	3
Vinyl chloride	mg/kg (ppm)	2.5	72	70	22-139	3
Bromomethane	mg/kg (ppm)	2.5	80	82	38-114	2
Chloroethane	mg/kg (ppm)	2.5	90	86	10-163	5
Trichlorofluoromethane	mg/kg (ppm)	2.5	84	81	10-196	4
Acetone	mg/kg (ppm)	12.5	97	93	52-141	4
1,1-Dichloroethene	mg/kg (ppm)	2.5	83	81	47-128	2
Hexane	mg/kg (ppm)	2.5	85	83	43-142	2
Methylene chloride	mg/kg (ppm)	2.5	101	100	42-132	1
Methyl t-butyl ether (MTBE)	mg/kg (ppm)	2.5	98	96	60-123	2
trans-1,2-Dichloroethene	mg/kg (ppm)	2.5	93	91	67-127	2
1,1-Dichloroethane	mg/kg (ppm)	2.5	96	95	68-115	1
2,2-Dichloropropane	mg/kg (ppm)	2.5	90	88	52-170	2
cis-1,2-Dichloroethene	mg/kg (ppm)	2.5	95	94	72-113	1
Chloroform	mg/kg (ppm)	2.5	96	96	66-120	0
2-Butanone (MEK)	mg/kg (ppm)	12.5	97	99	57-123	2
1,2-Dichloroethane (EDC)	mg/kg (ppm)	2.5	93	93	56-135	0
1,1,1-Trichloroethane	mg/kg (ppm)	2.5	89	89	62-131	0
1,1-Dichloropropene	mg/kg (ppm)	2.5	95	95	69-128	0
Carbon tetrachloride	mg/kg (ppm)	2.5	84	83	60-139	1
Benzene	mg/kg (ppm)	2.5	95	94	68-114	1
Trichloroethene	mg/kg (ppm)	2.5	98	96	64-117	2
1,2-Dichloropropane	mg/kg (ppm)	2.5	100	101	72-127	1
Bromodichloromethane	mg/kg (ppm)	2.5	94	95	72-130	1
Dibromomethane	mg/kg (ppm)	2.5	95	97	70-120	2
4-Methyl-2-pentanone	mg/kg (ppm)	12.5	102	104	45-145	2
cis-1,3-Dichloropropene	mg/kg (ppm)	2.5	95	97	75-136	2
Toluene	mg/kg (ppm)	2.5	97	98	66-126	1
trans-1,3-Dichloropropene	mg/kg (ppm)	2.5	94	97	72-132	3
1,1,2-Trichloroethane	mg/kg (ppm)	2.5	96	97	75-113	1
2-Hexanone	mg/kg (ppm)	12.5	97	100	33-152	3
1,3-Dichloropropane	mg/kg (ppm)	2.5	98	100	72-130	2
Tetrachloroethene	mg/kg (ppm)	2.5	90	91	72-114	1
Dibromochloromethane	mg/kg (ppm)	2.5	90	90	74-125	0
1,2-Dibromoethane (EDB)	mg/kg (ppm)	2.5	97	99	74-132	2
Chlorobenzene	mg/kg (ppm)	2.5	98	98	76-111	0
Ethylbenzene	mg/kg (ppm)	2.5	98	99	64-123	1
1,1,1,2-Tetrachloroethane	mg/kg (ppm)	2.5	92	92	69-135	0
m,p-Xylene	mg/kg (ppm)	5	97	99	78-122	2
o-Xylene	mg/kg (ppm)	2.5	100	100	77-124	0
Styrene	mg/kg (ppm)	2.5	98	99	74-126	1
Isopropylbenzene	mg/kg (ppm)	2.5	100	100	76-127	0
Bromoform	mg/kg (ppm)	2.5	78	79	56-132	1
n-Propylbenzene	mg/kg (ppm)	2.5	97	99	74-124	2
Bromobenzene	mg/kg (ppm)	2.5	98	99	72-122	1
1,3,5-Trimethylbenzene	mg/kg (ppm)	2.5	99	100	76-126	1
1,1,2,2-Tetrachloroethane	mg/kg (ppm)	2.5	90	95	56-143	5
1,2,3-Trichloropropane	mg/kg (ppm)	2.5	97	99	61-137	2
2-Chlorotoluene	mg/kg (ppm)	2.5	98	99	74-121	1
4-Chlorotoluene	mg/kg (ppm)	2.5	97	99	75-122	2
tert-Butylbenzene	mg/kg (ppm)	2.5	100	101	73-130	1
1,2,4-Trimethylbenzene	mg/kg (ppm)	2.5	98	99	76-125	1
sec-Butylbenzene	mg/kg (ppm)	2.5	99	99	71-130	0
p-Isopropyltoluene	mg/kg (ppm)	2.5	99	100	70-132	1
1,3-Dichlorobenzene	mg/kg (ppm)	2.5	98	99	75-121	1
1,4-Dichlorobenzene	mg/kg (ppm)	2.5	97	97	74-117	0
1,2-Dichlorobenzene	mg/kg (ppm)	2.5	98	100	76-121	2
1,2-Dibromo-3-chloropropane	mg/kg (ppm)	2.5	89	89	58-138	0
1,2,4-Trichlorobenzene	mg/kg (ppm)	2.5	98	99	64-135	1
Hexachlorobutadiene	mg/kg (ppm)	2.5	98	99	50-153	1
Naphthalene	mg/kg (ppm)	2.5	96	97	63-140	1
1,2,3-Trichlorobenzene	mg/kg (ppm)	2.5	99	100	63-138	1

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

Laboratory Code: 510246-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Acceptance Criteria
Benz(a)anthracene	mg/kg (ppm)	0.17	0.071	55 b	23-144
Chrysene	mg/kg (ppm)	0.17	0.076	54 b	32-149
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	0.058	51 b	23-176
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	0.023	68	42-139
Benzo(a)pyrene	mg/kg (ppm)	0.17	0.062	51 b	21-163
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	0.043	70 b	23-170
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	87	31-146

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.17	90	91	51-115	1
Chrysene	mg/kg (ppm)	0.17	93	96	55-129	3
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	82	79	56-123	4
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	77	81	54-131	5
Benzo(a)pyrene	mg/kg (ppm)	0.17	78	79	51-118	1
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	86	85	49-148	1
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	86	87	50-141	1

Date of Report: 10/27/15
Date Received: 10/16/15
Project: 9700 Aurora, PO 24741, F&BI 510246

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR POLYCHLORINATED BIPHENYLS AS AROCLOR 1016/1260 BY EPA METHOD 8082A

Laboratory Code: 510246-02 (Matrix Spike) 1/5

Analyte	Reporting Units	Spike Level	Sample Result (Wet Wt)	Percent Recovery MS	Control Limits
Aroclor 1016	mg/kg (ppm)	0.8	<0.02	71	50-150
Aroclor 1260	mg/kg (ppm)	0.8	<0.02	83	50-150

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	0.8	88	87	55-130	1
Aroclor 1260	mg/kg (ppm)	0.8	92	93	58-133	1

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

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Friedman & Bruya
Michael Erdahl
3012 16th Ave. W.
Seattle, WA 98119

RE: 510246
Lab ID: 1510241

October 26, 2015

Attention Michael Erdahl:

Fremont Analytical, Inc. received 5 sample(s) on 10/19/2015 for the analyses presented in the following report.

Sample Moisture (Percent Moisture)
Total Metals by EPA Method 6020

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Mike Ridgeway
President

Fremont Analytical

Date: *10/26/2015*

CLIENT: Friedman & Bruya
Project: 510246
Lab Order: 1510241

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
1510241-001	NSW-RX-6.5	10/06/2015 8:30 AM	10/19/2015 2:15 PM
1510241-002	B-RX-7	10/06/2015 8:35 AM	10/19/2015 2:15 PM
1510241-003	WSW-RX-6.5	10/06/2015 8:40 AM	10/19/2015 2:15 PM
1510241-004	SSW-RX-6.5	10/06/2015 8:45 AM	10/19/2015 2:15 PM
1510241-005	ESW-RX-6.5	10/06/2015 8:50 AM	10/19/2015 2:15 PM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Fremont Analytical

Case Narrative

WO#: **1510241**
Date: **10/26/2015**

CLIENT: Friedman & Bruya
Project: 510246

I. SAMPLE RECEIPT:
Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:
Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:
Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

* - Flagged value is not within established control limits
B - Analyte detected in the associated Method Blank
D - Dilution was required
E - Value above quantitation range
H - Holding times for preparation or analysis exceeded
I - Analyte with an internal standard that does not meet established acceptance criteria
J - Analyte detected below Reporting Limit
N - Tentatively Identified Compound (TIC)
Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria (<20%RSD, <20% Drift or minimum RRF)
S - Spike recovery outside accepted recovery limits
ND - Not detected at the Reporting Limit
R - High relative percent difference observed

Acronyms:

%Rec - Percent Recovery
CCB - Continued Calibration Blank
CCV - Continued Calibration Verification
DF - Dilution Factor
HEM - Hexane Extractable Material
ICV - Initial Calibration Verification
LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
MB or MBLANK - Method Blank
MDL - Method Detection Limit
MS/MSD - Matrix Spike / Matrix Spike Duplicate
PDS - Post Digestion Spike
Ref Val - Reference Value
RL - Reporting Limit
RPD - Relative Percent Difference
SD - Serial Dilution
SGT - Silica Gel Treatment
SPK - Spike
Surr - Surrogate

Fremont Analytical

Analytical Report

WO#: **1510241**
Date Reported: **10/26/2015**

CLIENT: Friedman & Bruya
Project: 510246

Lab ID: 1510241-001 **Collection Date:** 10/6/2015 8:30:00 AM
Client Sample ID: **NSW-RX-6.5** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 12145		Analyst: TN
Lead	6.58	0.179		mg/Kg-dry	1	10/19/2015 6:49:41 PM
Sample Moisture (Percent Moisture)				Batch ID: R25618		Analyst: SL
Percent Moisture	11.4	0.500		wt%	1	10/21/2015 1:09:06 PM

Lab ID: 1510241-002 **Collection Date:** 10/6/2015 8:35:00 AM
Client Sample ID: **B-RX-7** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 12145		Analyst: TN
Lead	2.07	0.173		mg/Kg-dry	1	10/19/2015 6:53:14 PM
Sample Moisture (Percent Moisture)				Batch ID: R25618		Analyst: SL
Percent Moisture	7.54	0.500		wt%	1	10/21/2015 1:09:06 PM

Lab ID: 1510241-003 **Collection Date:** 10/6/2015 8:40:00 AM
Client Sample ID: **WSW-RX-6.5** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 12145		Analyst: TN
Lead	62.9	0.169		mg/Kg-dry	1	10/19/2015 6:56:45 PM
Sample Moisture (Percent Moisture)				Batch ID: R25618		Analyst: SL
Percent Moisture	12.5	0.500		wt%	1	10/21/2015 1:09:06 PM

CLIENT: Friedman & Bruya
Project: 510246

Lab ID: 1510241-004 **Collection Date:** 10/6/2015 8:45:00 AM
Client Sample ID: **SSW-RX-6.5** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 12145		Analyst: TN
Lead	46.7	0.177		mg/Kg-dry	1	10/19/2015 7:00:16 PM
Sample Moisture (Percent Moisture)				Batch ID: R25618		Analyst: SL
Percent Moisture	12.3	0.500		wt%	1	10/21/2015 1:09:06 PM

Lab ID: 1510241-005 **Collection Date:** 10/6/2015 8:50:00 AM
Client Sample ID: **ESW-RX-6.5** **Matrix:** Soil

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
Total Metals by EPA Method 6020				Batch ID: 12145		Analyst: TN
Lead	57.0	0.183		mg/Kg-dry	1	10/19/2015 7:03:47 PM
Sample Moisture (Percent Moisture)				Batch ID: R25618		Analyst: SL
Percent Moisture	11.9	0.500		wt%	1	10/21/2015 1:09:06 PM

Fremont Analytical

Date: *10/26/2015*

Work Order: 1510241
CLIENT: Friedman & Bruya
Project: 510246

QC SUMMARY REPORT

Total Metals by EPA Method 6020

Sample ID **MB-12145**	SampType: **MBLK**			Units: **mg/Kg**		Prep Date: **10/19/2015**		RunNo: **25574**		
Client ID: **MBLKS**	Batch ID: **12145**					Analysis Date: **10/19/2015**		SeqNo: **482503**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	ND	0.200									

Sample ID **LCS-12145**	SampType: **LCS**			Units: **mg/Kg**		Prep Date: **10/19/2015**		RunNo: **25574**		
Client ID: **LCSS**	Batch ID: **12145**					Analysis Date: **10/19/2015**		SeqNo: **482504**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	23.2	0.200	25.00	0	92.6	80	120				

Sample ID **1510245-001ADUP**	SampType: **DUP**			Units: **mg/Kg-dry**		Prep Date: **10/19/2015**		RunNo: **25574**		
Client ID: **BATCH**	Batch ID: **12145**					Analysis Date: **10/19/2015**		SeqNo: **482506**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	2.02	0.173						1.971	2.47	20	

Sample ID **1510245-001AMS**	SampType: **MS**			Units: **mg/Kg-dry**		Prep Date: **10/19/2015**		RunNo: **25574**		
Client ID: **BATCH**	Batch ID: **12145**					Analysis Date: **10/19/2015**		SeqNo: **482508**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	22.8	0.175	21.92	1.971	95.1	75	125				

Sample ID **1510245-001AMSD**	SampType: **MSD**			Units: **mg/Kg-dry**		Prep Date: **10/19/2015**		RunNo: **25574**		
Client ID: **BATCH**	Batch ID: **12145**					Analysis Date: **10/19/2015**		SeqNo: **482509**		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	24.4	0.184	23.02	1.971	97.5	75	125	22.81	6.76	20	

Fremont Analytical

Date: *10/26/2015*

Work Order: 1510241
CLIENT: Friedman & Bruya
Project: 510246

QC SUMMARY REPORT

Sample Moisture (Percent Moisture)

Sample ID **1510205-002ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **10/21/2015**		RunNo: **25618**			
Client ID: **BATCH**	Batch ID: **R25618**					Analysis Date: **10/21/2015**		SeqNo: **483252**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	13.7	0.500						14.97	8.84	20	

Sample ID **1510205-008ADUP**	SampType: **DUP**			Units: **wt%**		Prep Date: **10/21/2015**		RunNo: **25618**			
Client ID: **BATCH**	Batch ID: **R25618**					Analysis Date: **10/21/2015**		SeqNo: **483254**			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Percent Moisture	8.21	0.500						8.340	1.62	20	

Fremont Analytical

Sample Log-In Check List

Client Name:	**FB**	Work Order Number:	**1510241**
Logged by:	**Clare Griggs**	Date Received:	**10/19/2015 2:15:00 PM**

Chain of Custody

1.	Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2.	How was the sample delivered?	Client		

Log In

3.	Coolers are present?	Yes ☑	No ☐	NA ☐
4.	Shipping container/cooler in good condition?	Yes ☑	No ☐	
5.	Custody Seals present on shipping container/cooler? (Refer to comments for Custody Seals not intact)	Yes ☐	No ☐	Not Required ☑
6.	Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
7.	Were all items received at a temperature of >0°C to 10.0°C *	Yes ☐	No ☑	NA ☐
		Please refer to item information.		
8.	Sample(s) in proper container(s)?	Yes ☑	No ☐	
9.	Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
10.	Are samples properly preserved?	Yes ☑	No ☐	
11.	Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
12.	Is there headspace in the VOA vials?	Yes ☐	No ☐	NA ☑
13.	Did all samples containers arrive in good condition(unbroken)?	Yes ☑	No ☐	
14.	Does paperwork match bottle labels?	Yes ☑	No ☐	
15.	Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
16.	Is it clear what analyses were requested?	Yes ☑	No ☐	
17.	Were all holding times able to be met?	Yes ☑	No ☐	

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified:		Date	
By Whom:		Via:	☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding:			
Client Instructions:			

19. Additional remarks:

Item Information

Item #	Temp °C
Cooler	14.7
Sample	15.8

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C

SUBCONTRACT SAMPLE CHAIN OF CUSTODY 1510241

Page # 1 of 1

Send Report To Michael Erdahl
Company Friedman and Bruya, Inc.
Address 3012 16th Ave W
City, State, ZIP Seattle, WA 98119
Phone # (206) 285-8282 Fax # (206) 283-5044

SUBCONTRACTER Fremont
PROJECT NAME/NO. 510246
PO # D-690
REMARKS Please Email Results

TURNAROUND TIME
☒ Standard ~~(2 Weeks)~~ 1 wk
☐ RUSH
Rush charges authorized by:

SAMPLE DISPOSAL
☐ Dispose after 30 days
☐ Return samples
☐ Will call with instructions

Sample ID	Lab ID	Date Sampled	Time Sampled	Matrix	# of jars	Dioxins and Furans by 8290	EPH	VPH	Nitrate	Sulfate	Alkalinity	Lead				Notes
NSW-RY-6.5		10/6/15	830	Soil	1							X				
B-RY-7			835		1							X				
WSW-RY-6.5			840		1							X				
SSW-RY-6.5			845		1							X				
ESW-RY-6.5			850		1							X				

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		Michael Erdahl	Friedman & Bruya	10/16/15	1835
Received by:		Matt Langston	FBI	10/19/15	1335
Relinquished by:		Matt Langston	FBI	10/19/15	1415
Received by:		Stahl	FAI	10/19/15	1415

510 246

FILCO COMPANY INC.
Since 1980
Environmental Services
ICC Certified • Lic# FILCOC1000RU
www.FilcoEnviro.com
Richard Simpson LG, LHg
Senior Geologist-Hydrogeologist
Richard@FilcoEnviro.com
Office: 206-547-8347 Fax: 206-548-9352
Street Address: 13190 Stone Avenue North, Seattle, WA 98133
Mailing Address: P.O. Box 31228, Seattle, WA 98103

SAMPLE CHAIN OF CUSTODY

ML 10-16-15

AD3/VS2

Page # 1 of 1

SAMPLERS (signature)

PROJECT NAME/NO.: 24741 - 9700 Aurora

PO#: 24741

REMARKS: Will Call w/ Analysis Results

TURNAROUND TIME
- ☐ Standard (2 Weeks)
- ☐ RUSH
- Rush charges authorized by:

SAMPLE DISPOSAL
- ☐ Dispose after 30 days
- ☐ Return samples
- ☐ Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	TPH-Diesel DX	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	TPH GX BTEX	Total Pb	cPAHs	PCBs		Notes
NSW-RX-6.5	01 A-F	10/6/15	830	Soil	6	X	X		X				X	X	X		X per RS
B-RX-7	02		835			X	X		X				X	X	X		m 10/16/15
WSW-RX-6.5	03		840			X	X		X				X	X	X		
SSW-RX-6.5	04		845			X	X		X				X	X	X		
ESW-RX-6.5	05	10/6/15	850	Soil	6	X	X		X				X	X	X		

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:	Richard Simpson	FILCO	10/6/15	10:15
Received by:	[illegible]	Fedex	10-16	10:15
Relinquished by:				
Received by:	DO	FBI	10-16	10-40

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

FORMS\COC\COC.DOC

Samples received at 5 °C

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.
Yelena Aravkina, M.S.
Michael Erdahl, B.S.
Arina Podnozova, B.S.
Eric Young, B.S.

3012 16th Avenue West
Seattle, WA 98119-2029
(206) 285-8282
fbi@isomedia.com
www.friedmanandbruya.com

November 5, 2015

James C. Leonard, Project Manager
Filco Company, Inc.
PO Box 31228
Seattle, WA 98103

Dear Mr. Leonard:

Included are the results from the testing of material submitted on November 3, 2015 from the 24741- 9700 Aurora Avenue N, F&BI 511023 project. There are 5 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.

Matthew Langston
Project Manager

Enclosures
FCI1105R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	SSW-RX2-7	Client:	Filco Company
Date Received:	11/03/15	Project:	24741- 9700 Aurora Avenue N
Date Extracted:	11/03/15	Lab ID:	511023-01 1/5
Date Analyzed:	11/03/15	Data File:	110306.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	90	31	163
Benzo(a)anthracene-d12	95	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	0.038
Chrysene	0.052
Benzo(a)pyrene	0.046
Benzo(b)fluoranthene	0.069
Benzo(k)fluoranthene	0.024
Indeno(1,2,3-cd)pyrene	0.047
Dibenz(a,h)anthracene	0.011

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	WSW-RX2-7	Client:	Filco Company
Date Received:	11/03/15	Project:	24741- 9700 Aurora Avenue N
Date Extracted:	11/03/15	Lab ID:	511023-02 1/5
Date Analyzed:	11/03/15	Data File:	110307.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	92	31	163
Benzo(a)anthracene-d12	94	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Semivolatile Compounds By EPA Method 8270D SIM

Client Sample ID:	Method Blank	Client:	Filco Company
Date Received:	Not Applicable	Project:	24741- 9700 Aurora Avenue N
Date Extracted:	11/03/15	Lab ID:	05-2230 mb2 1/5
Date Analyzed:	11/03/15	Data File:	110305.D
Matrix:	Soil	Instrument:	GCMS6
Units:	mg/kg (ppm) Dry Weight	Operator:	VM

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
Anthracene-d10	94	31	163
Benzo(a)anthracene-d12	95	24	168

Compounds:	Concentration mg/kg (ppm)
Benz(a)anthracene	<0.01
Chrysene	<0.01
Benzo(a)pyrene	<0.01
Benzo(b)fluoranthene	<0.01
Benzo(k)fluoranthene	<0.01
Indeno(1,2,3-cd)pyrene	<0.01
Dibenz(a,h)anthracene	<0.01

Date of Report: 11/05/15
Date Received: 11/03/15
Project: 24741- 9700 Aurora Avenue N, F&BI 511023

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR PNA'S BY EPA METHOD 8270D SIM

Laboratory Code: 510475-01 1/5 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Benz(a)anthracene	mg/kg (ppm)	0.17	<0.01	92	93	23-144	1
Chrysene	mg/kg (ppm)	0.17	0.011	87	89	32-149	2
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	0.013	78	79	23-176	1
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	<0.01	79	76	42-139	4
Benzo(a)pyrene	mg/kg (ppm)	0.17	<0.01	74	78	21-163	5
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	<0.01	71	74	23-170	4
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	<0.01	73	75	31-146	3

Laboratory Code: Laboratory Control Sample 1/5

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benz(a)anthracene	mg/kg (ppm)	0.17	95	51-115
Chrysene	mg/kg (ppm)	0.17	98	55-129
Benzo(b)fluoranthene	mg/kg (ppm)	0.17	80	56-123
Benzo(k)fluoranthene	mg/kg (ppm)	0.17	85	54-131
Benzo(a)pyrene	mg/kg (ppm)	0.17	71	51-118
Indeno(1,2,3-cd)pyrene	mg/kg (ppm)	0.17	90	49-148
Dibenz(a,h)anthracene	mg/kg (ppm)	0.17	89	50-141

Data Qualifiers & Definitions

a - The analyte was detected at a level less than five times the reporting limit. The RPD results may not provide reliable information on the variability of the analysis.

b - The analyte was spiked at a level that was less than five times that present in the sample. Matrix spike recoveries may not be meaningful.

ca - The calibration results for the analyte were outside of acceptance criteria. The value reported is an estimate.

c - The presence of the analyte may be due to carryover from previous sample injections.

cf - The sample was centrifuged prior to analysis.

d - The sample was diluted. Detection limits were raised and surrogate recoveries may not be meaningful.

dv - Insufficient sample volume was available to achieve normal reporting limits.

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

fc - The compound is a common laboratory and field contaminant.

hr - The sample and duplicate were reextracted and reanalyzed. RPD results were still outside of control limits. Variability is attributed to sample inhomogeneity.

hs - Headspace was present in the container used for analysis.

ht – The analysis was performed outside the method or client-specified holding time requirement.

ip - Recovery fell outside of control limits. Compounds in the sample matrix interfered with the quantitation of the analyte.

j - The analyte concentration is reported below the lowest calibration standard. The value reported is an estimate.

J - The internal standard associated with the analyte is out of control limits. The reported concentration is an estimate.

jl - The laboratory control sample(s) percent recovery and/or RPD were out of control limits. The reported concentration should be considered an estimate.

js - The surrogate associated with the analyte is out of control limits. The reported concentration should be considered an estimate.

lc - The presence of the analyte is likely due to laboratory contamination.

L - The reported concentration was generated from a library search.

nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

pc - The sample was received with incorrect preservation or in a container not approved by the method. The value reported should be considered an estimate.

ve - The analyte response exceeded the valid instrument calibration range. The value reported is an estimate.

vo - The value reported fell outside the control limits established for this analyte.

x - The sample chromatographic pattern does not resemble the fuel standard used for quantitation.

511023

SAMPLE CHAIN OF CUSTODY

ML 11-031=15

B01

Send Report To James C. Leonard

Company Filco Company, Inc.

Address PO Box 31228

City, State, ZIP Seattle, WA 98103

Phone # (206) 547-8347 Fax # (206) 548-9352

SAMPLERS (signature)

PROJECT NAME/NO. 24741 - 9700 Aurora Avenue N

PO #

REMARKS please fax results ASAP

Page # _____ of _____

TURNAROUND TIME
Standard (2 Weeks)
X RUSH 24 hr
Rush charges authorized by:

SAMPLE DISPOSAL
Dispose after 30 days
Return samples
Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED: TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS	cPAH						Notes
SSW-RX2-7	01	11/3/11	09:15	Soil	1	☐						X						
WSW-RX2-7	02	11/3/11	09:18	Soil	1	☐						X						
						☐												
						☐												
						☐												
						☐												
						☐												
						☐												
						☐												
						☐												

Samples received at 10 °C

Friedman & Bruya, Inc.
3012 16th Avenue West
Seattle, WA 98119-2029
Ph. (206) 285-8282
Fax (206) 283-5044

	SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by:		James C. Leonard	Filco Co., Inc.	11/3/15	11:20
Received by:		Matt Langston	FBI	11/3/15	1120
Relinquished by:					
Received by:					

APPENDIX B
SCALE TICKET SUMMARY
SOIL DISPOSAL DOCUMENTATION

Filco Scale Ticket Summary

Address 9700 Aurora Avenue North **Job Number** 24741

Disposal of Petroleum-Impacted Soils

Date	Facility	Ticket No.	Truck ID	Gross	Tare	Net Pounds	Net Tons
10/16/2015	Waste Mgt	111207	F16	46960	25020	21940	10.97
11/3/2015	Waste Mgt	56302	F16	50780	25020	25760	12.88
Total							**23.85**

WASTE MANAGEMENT

Alaska Street
70 S Alaska Street
Seattle, WA, 98134

Ph: 206 763 5025

Original
Ticket# 111207

Customer Name FILCO CO Filco Company, Inc
Ticket Date 10/16/2015
Payment Type Credit Account
Manual Ticket#
Route AK
Hauling Ticket#
Destination
PO# 489694

Carrier SELF HAULER *
Vehicle# F16
Container
Driver JOSH HILTON
Check#
Billing# 0000005
Grid

Volume

	Time	Scale	Operator	Inbound		
In	10/16/2015 09:47:10	SCALE 1	lmercer		Gross	46960 lb
Out	10/16/2015 09:47:10		lmercer		Tare	25020 lb
					Net	21940 lb
					Tons	10.97

Comments FILCO-KF CLARYS TRANSMISSION 9700 AURORA AVE N

	Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1	Daily Cover-PCS-Tons-Pet	100	10.97	Tons				KING
2	FEA-FUEL,ENV,ADMIN	100	10.97	Tons				
3	GONDOLA T-GONDOLA TON 20	100	10.97	Tons				

Total Tax
Total Ticket

Driver's Signature

03WM

WASTE MANAGEMENT

ALASKA STREET RELOAD FACILITY
70 SOUTH ALASKA STREET
SEATTLE, WASHINGTON 98134
(206) 763-5025

SCALE TICKET

56302

11-3-15

11:15 / IN / OUT

IER BILLED Filco 489694

S

DRIVER ON OFF

OITY Clary's Transmission

AULED 9700 Aurora Ave N

F16 R.T. # RECEIPT #

SIZE

GROSS 51750

TARE 25020

NET 26760

AMOUNT 12.88 Tons

WEIGHER VY

APPENDIX C
ECOLOGY SITE ASSESSMENT FORMS, PERMITS AND TANK DECOMMISSIONING DOCUMENTS

DEPARTMENT OF ECOLOGY
State of Washington

UNDERGROUND STORAGE TANK (UST)
30-DAY NOTICE

(See back of form for instructions)

NR

FOR OFFICE USE ONLY
Site ID #
FS ID #

Please ✓ the appropriate box: ☐ Intent to Install ☑ Intent to Close

HQ (360)407-7170 / Central (509)575-2490 / Eastern (509)329-3400 / Northwest (425)649-7000 / Southwest (360)407-6300

SITE INFORMATION

Tag or UBI number

RECEIVED
JUL 27 2015
Department of Ecology
Toxics Cleanup Program

Site Name: 9700 Aurora Avenue N

Site Physical Address: Seattle, WA

City: 98103 Zip Code

Site Phone Number: (206) 526-1366

OWNER INFORMATION
(this form will be returned to this address)

UST Owner/Operator: Fay Garneau Properties

Mailing Address/PO Box: PO Box 31228

City: Seattle 98103 Zip Code

Owner/Operator Phone Number: (206) 526-1366

Owner/Operator Email Address: Garneauproperties@comcast.net

TANK INFORMATION

Tank ID	Substance Stored	Capacity	Date Project is Expected to Begin	Comments:
	Waste Oil	675	August 24, 2015	

1) SERVICE PROVIDER INFORMATION - check the appropriate boxes

PLEASE NOTE: INDIVIDUALS PERFORMING UST SERVICES MUST BE ICC CERTIFIED OR HAVE PASSED ANOTHER QUALIFYING EXAM APPROVED BY THE DEPARTMENT OF ECOLOGY.

☐ Installer ☑ Decommissioner ☐ Site Assessor

Service Provider Company Name: Filco Company Inc.

Certified Service Provider Name: James C. Leonard

ICC Certification #: 1033517

Contact Person: Nathan Montgomery

Contact Phone Number: (206) 547-8347

Contact Email Address: nate@filcoenviro.com

2) SERVICE PROVIDER INFORMATION (REQUIRED IF USING MORE THAN ONE PROVIDER) - check the appropriate boxes

☐ Installer ☐ Decommissioner ☑ Site Assessor

Service Provider Company Name: Filco Company Inc.

Certified Service Provider Name: James C. Leonard

ICC Certification #: 1033517

Contact Person: Nathan Montgomery

Contact Phone Number: (206) 547-8347

Contact Email Address: nate@filcoenviro.com

DEPARTMENT OF ECOLOGY
State of Washington

PERMANENT CLOSURE NOTICE
FOR UNDERGROUND STORAGE TANKS

UST ID #: _____

County: _____

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 #: **Not Registered (NR)**		Owner/Operator Name: **Fay Garneau Properties**	
UST ID #: **NR**		Business Name: **Garneau Properties**	
Site Name: **Clary's Transmission Parts and Service**		Address: **951 North 100th**	
Site Address: **9700 Aurora Avenue North**		City: **Seattle**	State: **WA** Zip: **98133**
City: **Seattle**		Phone: **206 526 1366**	
Phone: **206 526 1366**		Email: **garneauproperties@comcast.net**	

III. CERTIFIED UST DECOMMISSIONER					
Company Name: **FILCO COMPANY INC.**			Service Provider Name: **Richard N. Simpson**		
Address: **PO Box 31228**			Certification Type: **International Code Council**		
City: **Seattle**	State:WA	Zip: **98103**	Cert. No.: **932759**	Exp. Date: **9/19/2016**	
Provider Phone: **206 547-8347**			Provider Email: **Richard@filcoenviro.com**		
Provider Signature:			***Date:*** **11/20/2015**		

IV. TANK INFORMATION

TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	CLOSURE METHOD			CLOSURE DATE
			removal	closed-in-place	change-in-service	
1	500	Used oil	☒	☐	☐	10/6/2015
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	
			☐	☐	☐	

V. REQUIRED SIGNATURE

Signature acknowledges UST(s) comply with UST regulation WAC 173-360-380 Permanent Closure Requirements.

Date	Signature of Tank Owner/Operator or Authorized Representative	Print or Type Name

DEPARTMENT OF ECOLOGY
State of Washington

UST ID #: _____

County: _____

SITE CHECK/SITE ASSESSMENT CHECKLIST

FOR UNDERGROUND STORAGE TANKS

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 #: Not registered (NR)	Owner/Operator Name: Fay Garneau Properties
UST ID #: NR	Business Name: Garneau Properties
Site Name: Clary's Transmission Parts and Service	Address: 951 North 100th
Site Address: 9700 Aurora Avenue North	City: Seattle State: WA Zip: 98133
City: Seattle	Phone: 951 North 100th
Phone: 206 526 1366	Email: garneauproperties@comcast.net

III. CERTIFIED SITE ASSESSOR

Service Provider Name: Richard N. Simpson, LG, LHg	Company Name: FILCO COMPANY INC.
Cell Phone: (425)698-5834 Email: Richard@filcoenviro.com	Address: PO Box 31228
Certification #: 932759 Exp. Date: 9/19/2016	City: Seattle State: WA Zip: 98103

IV. TANK INFORMATION

TANK ID	TANK CAPACITY	LAST SUBSTANCE STORED	DATE SITE CHECK OR ASSESSMENT CONDUCTED
1	500	Used oil	10/6/2015

V. REASON FOR CONDUCTING SITE CHECK/SITE ASSESSMENT (check one)

- [X] Release investigation following permanent UST system closure (i.e. tank removal or closure-in-place).
- [ ] Release investigation following a failed tank and/or line tightness test.
- [ ] Release investigation following discovery of contaminated soil and/or groundwater.
- [ ] Release investigation directed by Ecology to determine if the UST system is the source of offsite impacts.
- [ ] 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).
- [ ] Directed by Ecology for UST system permanently closed or abandoned before 12/22/1988.
- [ ] Other (describe):

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 *Guidance for Site Checks and Site Assessments for Underground Storage Tanks.*	YES	NO
1. The location of the UST site is shown on a vicinity map.	☑	☐
2. A brief summary of information obtained during the site inspection is provided (Section 3.2)	☑	☐
3. A summary of UST system data is provided (Section 3.1)	☑	☐
4. The soils characteristics at the UST site are described. (Section 5.2)	☑	☐
5. Is there any apparent groundwater in the tank excavation?	☐	☑
6. A brief description of the surrounding land use is provided. (Section 3.1)	☑	☐
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.	☑	☐
8. The following items are provided in one or more sketches:		
• Location and ID number for all field samples collected	☑	☐
• If applicable, groundwater samples are distinguished from soil samples	☐	☐
• Location of samples collected from stockpiled excavated soil	☑	☐
• Tank and piping locations and limits of excavation pit	☑	☐
• Adjacent structures and streets	☑	☐
• Approximate locations of any on-site and nearby utilities	☑	☐
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)	☑	☐
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.	☑	☐
11. Any factors that may have compromised the quality of the data or validity of the results are described.	☑	☐
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.	☐	☑

VII. Required Signatures

Signature acknowledges the Site Check or Site Assessment complies with UST regulations WAC 173-360-360 through -395.

Richard N. Simpson		11.20.15
Print or Type Name	Signature of Certified Site Assessor	Date

INTERNATIONAL CODE COUNCIL

RICHARD SIMPSON

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

UST Decommissioning

Given this day of September 19, 2014

Certificate No. 932759

Stephen D. Jones, CBO
President, Board of Directors

INTERNATIONAL CODE COUNCIL, INC. CERTIFIED

Dominic Sims
Chief Executive Officer

ICC INTERNATIONAL CODE COUNCIL

INTERNATIONAL CODE COUNCIL

RICHARD SIMPSON

The International Code Council attests that the individual named on this certificate has satisfactorily demonstrated knowledge as required by the International Code Council by successfully completing the prescribed written examination based on codes and standards then in effect, and is hereby issued this certification as:

Washington State Site Assessment

Given this day of September 19, 2014

Certificate No. 932759

Stephen D. Jones, CBO
President, Board of Directors

INTERNATIONAL CODE COUNCIL, INC. CERTIFIED

Dominic Sims
Chief Executive Officer

ICC INTERNATIONAL CODE COUNCIL

Tues 10/06/15 @ 10am

RECEIVED

OCT 01 2015

PERMIT SECTION

Your Seattle Fire Department

APPLICATION FOR TEMPORARY PERMIT

Code 7908 Commercial Tank Removal/Decommissioning

Permit Fee: $218.00

Date Issued: _____

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

TO BE COMPLETED BY PERMIT APPLICANT

FIRM NAME	Filco Company, Inc.		
MAILING ADDRESS	PO Box 31228	SUITE	
CITY	Seattle	STATE WA	ZIP 98103
JOBSITE ADDRESS	9700 Aurora Ave N.		
CONTACT PERSON	Nate Montgomery	PHONE NUMBER	(206) 423-1791

Number of Tank(s): ONE Tank Size(s): 500 ☐ Aboveground tank

Product(s) Previously Contained: WASTE OIL ☑ Underground tank

☑ Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents)

☐ Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns)

Hot work being conducted: ☑ No ☐ 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

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 (WAC 173-360-600)*

FMO USE:
Check No.: 00005508100115
Receipt No.: 5-252240
Application ID#: 102741

APPROVED BY:
Inspector: M Devitt SFD ID# 1321
Name of Marine Chemist Don Sly Certificate # 545
Date: 10-6-15

(01/15)

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. 025594

Carrier No. 100

Page 1 of 1

MARINE VACUUM SERVICE, INC

(Name of carrier) (SCAC)

Date 10-6-15

On Collect on Delivery shipments, the letters "COD" must appear before consignee's name or as otherwise provided in Item 430, Sec.1.

TO:
Consignee MARINE VACUUM SERVICE INC

Street 1516 S. GRAHAM ST

City SEATTLE State WA Zip Code 98108

FROM:
Shipper Filer Company

Street 9700 Aurora Ave N

City State Zip Code

24 hr. Emergency Contact Tel. No. 800-540-7491

Route

Vehicle Number

No. of Units & Container Type	HM	BASIC DESCRIPTION UN or NA Number, Proper Shipping Name, Hazard Class, Packing Group	TOTAL QUANTITY (Weight, Volume, Gallons, etc.)	WEIGHT (Subject to Correction)	RATE	CHARGES (For Carrier Use Only)
1 T		oily water	20	Gallons		

PLACARDS TENDERED: YES ☐ NO ☒

Note — (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 _____."
(2) Where the applicable tariff provisions specify a limitation of the carrier's liability absent a release or a value declaration by the shipper and the shipper does not release the carrier's liability or declare a value, the carrier's liability shall be limited to the extent provided by such provisions. See NMFC Item 172.
(3) Commodities requiring special or additional care or attention in handling or stowing must be so marked and packaged as to ensure safe transportation. See Section 2(e) of Item 360, Bills of Lading, Freight Bills and Statements of Charges and Section 1(a) of the Contract Terms and Conditions for a list of such articles.

I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name and are classified, packaged, marked and labelled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

_____ Signature

REMIT C.O.D. TO: ADDRESS

COD Amt: $

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement:
The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

C.O.D. FEE: PREPAID ☐ COLLECT ☐ $

TOTAL CHARGES $

FREIGHT CHARGES
FREIGHT PREPAID except when box at right is checked ☐ Check box if charges are to be collect

RECEIVED, subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any said property, that every service to be performed hereunder shall be subject to all the bill of lading terms and conditions in the governing classification on the date of shipment.
Shipper hereby certifies that he is familiar with all the lading terms and conditions in the governing classification and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

SHIPPER _____

PER _____

CARRIER MARINE VACUUM SERVICE, INC.

PER _____

DATE 10-6-15

4

Permanent post-office address of shipper.

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

MARINE CHEMIST CERTIFICATE

SERIAL № 46595

FILCO	FILCO	OCT 6 2015
Survey Requested by	Vessel Owner or Agent	Date
UST AT 9700 N. AURORA	UNDERGROUND	S OF SE SHOP CORNER
Vessel	Type of Vessel STORAGE TANK	Specific Location of Vessel
WASTE OIL	O_2 LEL	10A
Last Three (3) Loadings	Tests Performed	Time Survey Completed

WASTE OIL TANK
NEAR SE
CORNER OF
PROPERTY 9700 AURORA N

- INERT (O_2 <6 %)
- FREE OF COMBUSTIBLE GAS
- MAY BE SAFELY EXCAVATED
- MAY BE SAFELY TRANSPORTED ON PUBLIC HIGHWAYS.

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, heating 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 19.5% and 22% by volume, and (b) combustible gas is less than 10% of the Lower Explosive Limit, and (c) airborne 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 receipt of this Certificate and understands conditions and limitations under which it was issued."

Signed _____ Name _____ Company _____ Date

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

Signed Don Sly Marine Chemist N°598 Certificate No.

POSTING

BILL OF LADING

Nº 16197

PRODUCT TRANSPORT MANIFEST

MARINE VACUUM SERVICE, INC.

24 HOUR EMERGENCY PHONE NUMBER (206) 762-0240

FAX NUMBER 206-763-8084

TRUCK NUMBER _____ DATE 10/6/15

TO
DESTINATION
NAME Mar-Vac
STREET
CITY/STATE

FROM
SHIPPER
NAME Filco
STREET
CITY/STATE

QUANTITY	PROPER SHIPPING NAME	UN (PLACARD) NUMBER
2 x 500 gal	tank drop off	
1 x 150 gal	tank drop off	
	SLUDGE	

RECEIVER [signature] DATE 10/6/15

SHIPPER [signature] DATE 10-6-15

NOTE:

Customer warrants that the waste petroleum products being transferred by the above collector do not contain any contaminates including without limitations, pesticides, chlorinated solvents at concentrations greater than 1000 PPM, any detectable levels of PCBs, or any other material classified as dangerous or hazardous waste by 40 CFR Part 261, Subpart C and D (implementing the Federal Resource Conservation and Recover Act), or by any equivalent state dangerous or hazardous substance classification programs. Should laboratory tests find this waste not in compliance with 40 CFR Part 261, customer (generator) agrees to pay for all disposal costs incurred.

1 - 500 gal from 9700 Aurora Ave No.