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February 1, 2017

The Isola Group LLC
1518 1st Ave S., Suite 301
Seattle, WA 98134

Attention: Mr. Alex Mason

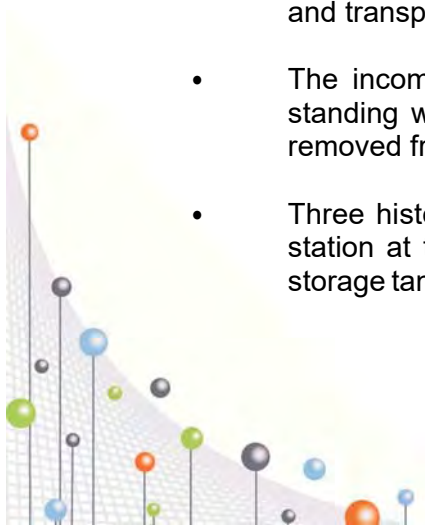
Subject: Independent Remedial Action Summary Report
Talta Ballard Development Site
7500 to 7530 15th Avenue NW
Seattle, Washington

Dear Mr. Mason:

Whitman Environmental Sciences (WES) was retained by the Isola Group (Isola) to observe and document the removal of petroleum contaminated soil (PCS) from a proposed development property at the above referenced site in Seattle, Washington. The work was conducted as an independent remedial action under Washington Model Toxics Control Act regulations Chapter 173-340 WAC.

This report documents the cleanup actions completed in conjunction with redevelopment. Based on our observations and the analytical findings, the main conclusions of our assessment are presented below:

- Four areas of the site were found to warrant remedial action based on observations and testing conducted before and during the demolition of previously existing structures. These included one residential heating oil tank, hydraulic lifts at a former muffler shop, improper waste disposal at an abandoned, partially-built structure and an historical gas station that pre-dated one of the existing site structures.
- The residential heating oil tank was removed by Filco, Inc., who assessed the tank and surrounding soil conditions. There was no evidence of staining or discoloration in the surrounding soil. Soil samples taken from the excavation and stockpile of excavated soil did not evidence petroleum contamination.
- The hydraulic lifts below the floor of the former muffler shop were found to have released petroleum to the underlying soil. A total of 80.77 tons of soil was removed from this area and transported to Cemex, Inc., in Everett, Washington, for treatment and disposal.
- The incomplete stairwell and elevator pit of the abandoned structure was cleared of standing water and discolored soil was excavated. A total of 122.01 tons of soil was removed from this area and transported to Cemex, Inc.
- Three historical underground storage tanks were found at the location of a former gas station at the south end of the site. These tanks were removed and an underground storage tank assessment was conducted. An area of gasoline contaminated soil was found



that required over-excavation. A total of 138.33 tons of soil was removed from this area and transported to Cemex, Inc.

- All cleanup areas were sampled following appropriate environmental sampling protocols. Final confirmation sampling demonstrates that at the completion of these cleanup efforts the site meets all applicable MTCA Method A soil cleanup criteria.
- No groundwater seepage was observed at any time in any of the site excavations.
- A total of approximately 341.11 tons of petroleum contaminated soil was removed from the site during this cleanup effort. All of the material was trucked to the treatment and disposal facility of Cemex, Inc., in Everett, Washington.

Based on our observations and testing, it is our opinion that no further action appears warranted. This summary is presented for introductory purposes only, and should be used only in conjunction with the full text of this report.

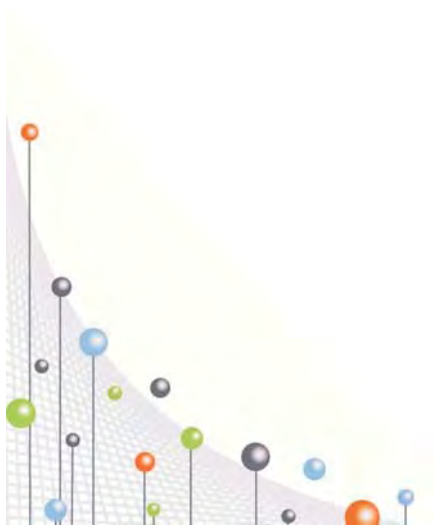
WES has been pleased to have the opportunity to be of service to you in this matter. If you have any questions regarding the information contained in this report, or if I may be of any further assistance, please feel free to contact me.

Respectfully submitted,

Whitman Environmental Sciences



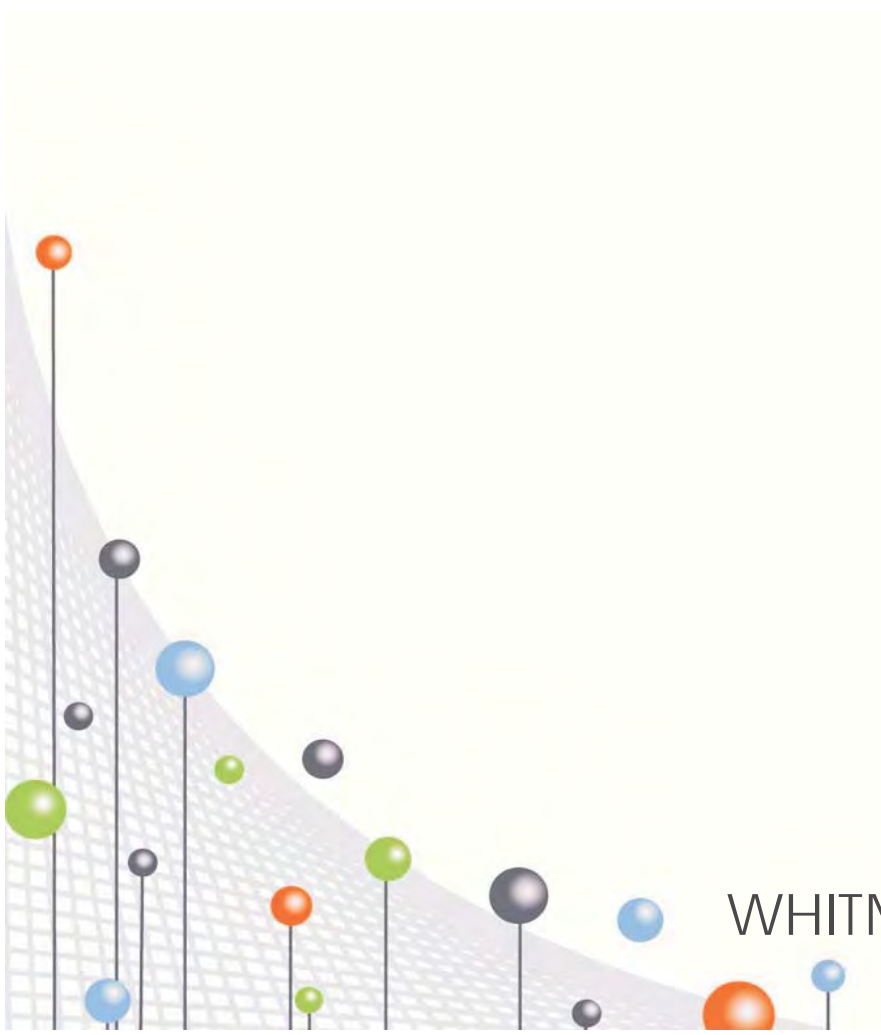
Daniel S. Whitman
Principal



INDEPENDENT REMEDIAL ACTION SUMMARY REPORT

TALTA BALLARD PROJECT SITE
7500 - 7530 15TH AVENUE NW
SEATTLE, WASHINGTON

February 1, 2017
Project No. WES-1471A



WHITMAN Environmental Sciences

INDEPENDENT REMEDIAL ACTION SUMMARY REPORT

**TALTA BALLARD PROJECT SITE
7500 - 7530 15TH AVENUE NW
SEATTLE, WASHINGTON**

**February 1, 2017
Project No. WES-1471A**

**Prepared for:
The Isola Group LLC
1518 1st Ave S., Suite 301
Seattle, WA 98134**

**By:
Whitman Environmental Sciences
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APPENDIX A - Site Photographs

APPENDIX B - Residential Heating Oil Tank Removal and Assessment Report, Filco, Inc.

APPENDIX C - Laboratory Analytical Reports, Friedman & Bruya, Inc.

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Marine Vacuum Services, Inc.,
Sound Testing, Inc.,
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Disposal of Petroleum Contaminated Soil, Cemex, Inc.

INDEPENDENT REMEDIAL ACTION SUMMARY REPORT

TALTA BALLARD PROJECT SITE 7500 - 7530 15TH AVENUE NW SEATTLE, WASHINGTON

1.0 INTRODUCTION

Whitman Environmental Sciences (WES) was retained by the Isola Group LLC to observe, direct and document independent remedial actions as part of site preparations for redevelopment. These efforts included decommissioning of a residential heating oil tank, decommissioning of three historical underground storage tanks from a former service station, removal of two hydraulic lifts and the excavation and disposal of petroleum contaminated soil related to these features. This report documents the activities which were undertaken and present our field observations and conclusions. It includes documentation of the disposal of the tanks, excavation water and petroleum contaminated soil, as well as all laboratory analyses on confirmation samples.

2.0 SITE DESCRIPTION

The site and surrounding area are shown in Figure 1, a Site Location Map, attached. The subject property consists of six parcels on the east side of 15th Avenue NW between NW 75th Street and NW 77th Street, totaling approximately 35,808 square feet (0.82 acre). The properties are identified by the King County Tax Parcel ID numbers in Table 1.

**Table 1
Subject Properties**

Street Address	Tax Parcel ID No.	Size (Sq. Ft.)	Most Recent Prior Use
7500 15 th Avenue NW	3491300012	6,300	Westernco Donut Shop
7510 15 th Avenue NW	3491300011	4,363	Mini-Market/Apartment
7514 15 th Avenue NW	7748000005	3,729	Laundry Drop Shop
7518 15 th Avenue NW	7748000010	6,441	Residence/Retail Shop
No Address	7748000015	4,520	Abandoned Building Shell
7530 15 th Avenue NW	3491300023	10,455	Muffler Shop

Figure 2 shows the shape and former features of the property.

2.1 Property History and Conditions

WES previously conducted environmental site assessments on the subject properties in 2014 (WES 2014a, 2014b). Those reviews summarized the property histories and current conditions. Potential sources of recognized environmental conditions were identified at the site, including an historical gas station that had been located on the 7500 15th Avenue NW parcel, hydraulic lifts in the muffler shop at 7530 15th and possible mismanagement of wastes inside an abandoned, incomplete building shell. There was also an actively used residential heating oil tank at the residence at 7518

15th Avenue NW. Figure 2 identifies the areas where these features were located and environmental cleanup efforts were conducted.

An investigation of soil and groundwater conditions was conducted as part of the 2014 property reviews, but no reportable releases of environmental contaminants were identified. Regardless, it was apparent from the site history and features observed at the time of our investigation that there was a potential for environmental conditions that might not be apparent until site structures were removed. The Westernco Donut shop at the southern end of the property had been constructed directly over the former location of a gas station that dated from the 1930s. The hydraulic lifts at the muffler shop and the residential heating oil tank had been in use at the time and could not be thoroughly investigated. The abandoned building shell had been used to dump large piles of debris that included visible drums and containers with unknown contents. Water in the incomplete stairwell and elevator pit of the building shell had debris in it and an oily sheen to the surface. Each of these conditions presented a potential for environmental impacts to site soil or groundwater.

The former gas station was located on the southernmost lot, at the intersection of 75th and 15th Avenue NW. It was active from about 1934 to 1954. Historical photographs of the station are included in Appendix A. The station originally had two pump islands, each holding three dispensers, which suggested three different fuel grades were sold. The station building was removed in about 1964. The Westernco donut shop was constructed on that property in 1964.

The muffler shop at 7530 15th was constructed in about 1966 and had remained in a relatively consistent business use since that time. The building included two service bays with hydraulic lifts. Each lift consisted of a deep, narrow concrete trenchbox equipped with two hydraulic lift cylinders. The trenchboxes each held a pool of hydraulic oil that acted as a reservoir for the cylinders. There were no underground storage tanks associated with the shop. But the business operators held waste oil in several drums and in miscellaneous gallon to drum-sized containers scattered amongst several trailers and debris piles in the abandoned structure. Two drums were held in a caddy which served as secondary containment, but the other containers were poorly managed.

The abandoned structure was a partially-built two-story concrete building that has no roof or floor slabs. By all appearances, construction had been halted abruptly. The structure was not in a useable condition, but was in place from about 1990 until removed as part of this redevelopment. The window and door openings had been boarded over to limit access, but it had become a disposal site for unwanted debris, tires, vehicles and containers, some in poor condition. There was an incomplete stairwell and elevator equipment pit located in the northwestern corner of the building, which contained debris and oily standing water.

3.0 CLEANUP PREPARATION, DEMOLITION AND INITIAL ENVIRONMENTAL TESTING

In June 2016, Ryatt Construction, under contract to Isola Group, began clearing the property and preparing the site for redevelopment. By that time all tenants had moved from the properties and the buildings were prepared for demolition. The property was fenced to secure the site. Photographs of the site and conditions encountered are included in Appendix A.

The buildings were surveyed for asbestos containing building materials and abatement was conducted as required by State and local regulations. This work was undertaken by other

consultants and subcontractors. It is not part of the environmental remediation documented in this report.

Miscellaneous wastes, including containers of oil, compressed gas cylinders, aerosol spray cans, paints, and any other regulated materials were collected for proper disposal. A large pile of debris inside the abandoned structure was sorted to separate scrap metal and any regulated materials, then the remaining garbage was loaded into trucks for disposal. Once the buildings were cleared, Ryatt began demolishing the structures on July 26th, 2016. Demolition debris was recycled to the extent possible.

Demolition work began at the north end of the property, with the metal framed structure of the former muffler shop. The building was removed down to the concrete floor slab and most of the materials were managed as scrap metal. Initially, the hydraulic lifts were left in place until the concrete floor slabs of the building were removed on August 5th. At that time, the cylinders were removed and the hydraulic oil reservoirs were pumped out. The cylinders were transported by Filco, Inc. to be drained and scrapped. The concrete lift trenches were excavated and gray discolored soil was noted in the excavation base, but no further cleanup was conducted at that time. Site soil was used to backfill the excavation pending further work.

The abandoned building shell was removed in sections, separating rebar and other metal from concrete for recycling. In July and the first week of August, the structure was removed with the exception of foundation walls in the northwestern corner of the building, where the incomplete stairwell and elevator equipment pit was located.

The four other site buildings were removed, progressing to the south until all structures on the property were removed to ground level.

3.1 Residential Heating Oil Tank Removal

Filco removed one residential heating oil tank from the front yard of the former residence at 7518 15th Avenue NW, on August 11th, 2016. Sampling was conducted by Filco as part of an assessment of the tank area. A site assessment report prepared by Filco is included in Appendix B. The tank appeared to be in fair to good condition and there were no detectable concentrations of diesel range or motor oil range petroleum hydrocarbons in any of their assessment samples. The excavation was backfilled and the ground surface across the site was graded to remove topsoil.

3.2 Initial Environmental Sampling

During the initial building demolition and removal of the hydraulic lifts, environmental sampling was limited to testing necessary for the management of the hydraulic lift oil and the water and soil from the stairwell pit in the abandoned structure. At the time, it was unclear whether or not there was a concrete floor to the stairwell pit. One sample of the hydraulic oil, and samples of water and soil from the pit were collected on July 26th following appropriate environmental sampling techniques. The samples were submitted to the analytical laboratory of Friedman & Bruya, Inc., for testing. The laboratory report of analytical results is included in Appendix C.

A sample of the hydraulic oil was tested for a suite of nine different polychlorinated biphenyl alochlors (PCBs) by EPA Method 8082. PCBs are sometimes encountered in hydraulic systems, so this testing is required as disposal characterization for the oil. No PCBs were detected in the

sample. Based on the testing, the oil was accepted for disposal and removed from the site by Filco, Inc., along with the hydraulic cylinders and other waste oils that had been collected from the muffler shop area.

The sample of water from the stairwell pit was analyzed for total petroleum hydrocarbons (TPH) in the gasoline, diesel and motor oil ranges by Washington State accepted methods NWTPH-G and NWTPH-D(extended), as well as a list of 63 individual volatile organic compounds by EPA Method 8260C. The water contained 5,100 ug/l (units equivalent to parts per billion (ppb)) of motor oil range and 3,500 ug/l of diesel range petroleum hydrocarbons, with the laboratory noting that the diesel range concentration does not resemble the laboratory standard for diesel. This notation usually suggests the detected petroleum is carry-over from a higher concentration in another hydrocarbon range. Testing also identified 19 ug/l of acetone, 5.7 ug/l of naphthalene and 1.2 ug/l of toluene. These compounds are common constituents of motor oils. No halogenated organic compounds (solvents) were detected in the analysis.

The sample of soil from the stairwell pit was analyzed for total petroleum hydrocarbons in the gasoline, diesel and motor oil ranges, as well as a list of five commonly encountered regulated metals; arsenic, cadmium, chromium, lead and mercury by EPA Method 200.8. The sample was found to contain 2,300 mg/kg (units equivalent to parts per million (ppm)) of motor oil range TPH, 790 mg/kg of diesel range TPH and concentrations of arsenic (2.17 mg/kg), chromium (13.9 mg/kg) and lead (3.45 mg/kg), comparable to the levels naturally found in native soils. Cadmium and mercury were not detected.

3.3 Release Reporting

Both the water and soil samples from the stairwell pit indicated a release of petroleum had occurred at some time in the past and that this area would warrant further cleanup action. The Department of Ecology was notified of a reportable historical release on November 14, 2016. However, the site was idled based on the scheduling for the proposed redevelopment and no further cleanup was undertaken at that time. Erosion control silt-fences were installed, then the site was idled with no further action until December, 2016.

4.0 ENVIRONMENTAL INVESTIGATION AND CLEANUP

Site activities resumed in December 2016, with a series of test pit explorations and cleanup in the three known areas of interest; the former gas station at the south end of the project site, the former stairwell pit of the abandoned structure and the former hydraulic lift area of the muffler shop. The three areas of interest are shown in Figure 2.

4.1 Additional Site Investigation

Once the Westernco donut shop building was removed, the area of the former gas station could be more thoroughly investigated. The work began on December 8th, 2016. Using a trackhoe, Ryatt Construction conducted test pit excavations at the approximate locations of former pump island areas, in the western and southwestern parts of the 7500 15th Avenue NW parcel. WES observed and documented the exploration. The test pits found no field detectable indications of petroleum contamination, such as odors, staining, sheens or discolored soil. The southern test pit encountered abandoned product piping which was traced to the east, where three underground storage tanks were found.

These tanks were approximately 1,500 gallons in capacity and were found to be empty, with the exception of small amounts of water. The tanks were buried at a depth of about three feet below the current site grade and the Westernco donut shop building had been constructed directly over them in 1964. The locations of the tanks, piping and excavations of the area are shown in Figure 3.

The soil overlying the tanks was removed, but the tanks were not disturbed until the work could be overseen and directed by a licensed underground storage tank service provider. While arrangements were made for the removal, WES and Ryatt moved to the north end of the site and began cleanup of the abandoned building stairwell area.

4.2 Abandoned Structure Stairwell and Elevator Pit

Cleanup began at the abandoned structure on December 13th, 2016. The concrete walls were partially removed to allow access to the base of the pit for excavation. A vacuum truck from Marine Vacuum Inc., was used to remove the standing water in the pit. A bill of lading for the removal of 2,720 gallons of waste water, 50 gallons of collected oily waste and 20 gallons of sludge (mud) from the pit is included in Appendix D.

After the water was drained, Ryatt used a trackhoe to excavate the base of the pit to remove petroleum contaminated soil. Eight truck loads of soil totaling 122.01 tons of material were excavated and transported to Cemex, Inc. in Everett, Washington, for thermal treatment and disposal. Invoicing and truck weight tickets from Cemex for the materials they managed are included in Appendix D. Photographs of the cleanup actions and final conditions of the pit are included in Appendix A.

The excavation found discolored and oily soil at the base of the pit, but it did not extend to appreciable depth. The excavation base was found to be a relatively clayey sand layer which limited infiltration of the standing water and contaminants. Digging confirmed that the water that had been standing in the pit was isolated from any underlying groundwater conditions. The excavation was continued until all visual evidence of discoloration or odors were removed, then four final confirmation samples were obtained from the excavation base. Figure 4 shows the extent of the excavated area and the locations of final confirmation samples.

The samples were collected following proper environmental sampling protocols, in laboratory prepared bottles with teflon lined lids. The samples were chilled and held under chain of custody until delivered to the laboratory on the same day. Each sample was analyzed for total petroleum hydrocarbons in the diesel and motor oil ranges by method NWTPH-D(extended). The laboratory analytical report is included in Appendix C. Table 1 summarizes the sampling conducted in the stairwell and elevator pit area, including the initial July 2016 sample that demonstrated a release had occurred and the four final confirmation samples documenting cleanup. The table also summarizes the applicable Washington State soil cleanup criteria used by the Department of Ecology to determine whether or not cleanup meets state regulations.

The sampling found no detectable concentrations of diesel or motor oil range petroleum hydrocarbons in any of the collected samples. Based on the work conducted, our observations of the excavation and this final confirmation sampling, no further action appears warranted.

After review of the laboratory results, the excavation was backfilled using crushed recycled concrete, on the recommendations of the geotechnical engineer for the redevelopment project.

4.3 Former Gas Station Area

While work continued elsewhere on the site, the owner's representative selected MarVac as a UST service provider to manage the removal of the historical tanks. MarVac obtained a Seattle Fire Department permit to remove the tanks and work resumed on Tuesday, December 13th. MarVac conducted a pump and rinse procedure on each tank. A copy of the tank removal permit and certificate documenting the pump and rinse are included in Appendix D.

On December 14th, a subcontracted a marine chemist from Sound Testing, Inc., checked the tanks for explosive gasses, then pumped carbon dioxide gas into the tanks until an inert atmosphere was present. The Marine Chemist Certificate of their work is included in Appendix D. After a field check and approval of the Seattle Fire Marshall, additional soil was excavated from around the tanks and they were removed from the ground. Photographs of the tank removal procedures are included in Appendix A.

Each tank was inspected after removal, then loaded onto a truck and removed from the site. All three of the tanks were in fair to good condition, with some areas of deep corrosion to the metal surface. All three tanks were damaged during the course of removal, but there were no readily visible holes and all appeared to have maintained their structural integrity while in the ground. The tanks were transported to MarVac's facility where they were destroyed, cleaned out and scrapped.

After removing the tanks, the surrounding loose soil was excavated to allow confirmation sampling. Discolored soil evidencing a strong petroleum odor was encountered directly beneath the southernmost tank (designated Tank 2, for the purposes of this assessment). The area was excavated over the course of the next two days, until field observations and laboratory testing of soil samples indicated all petroleum contaminated soil (PCS) had been removed. The extent of petroleum contamination was readily apparent based on the discoloration of the soil and obvious petroleum odors.

Excavated soil was loaded to trucks and transported to Cemex, Inc., in Everett, Washington, for treatment and disposal. Three truckloads, totaling 49.80 tons of soil were disposed at Cemex on December 14th. An additional six loads, totaling 88.53 tons were excavated and accepted at Cemex on December 15th. By the end of digging on December 15th, all discolored soil had been removed from the excavation base and sidewalls.

Confirmation sampling was conducted as portions of the excavation were deemed complete. A total of eleven confirmation samples were taken from the excavation base and sidewalls at the depths deemed most susceptible to contamination. The extent of excavation and sample locations are shown in Figure 3.

The samples were chilled and held under chain of custody until delivered to the laboratory on the same day. Each sample was analyzed for total petroleum hydrocarbons in the gasoline range by method NWTPH-G and the volatile organic compounds benzene, toluene, ethylbenzene and xylenes (BTEX), commonly associated with gasoline. Two samples were analyzed for total concentrations of lead, since the service station operated at a time when lead compounds were used as gasoline additives.

Table 2 summarizes the sampling conducted in the tank excavation, including samples of the excavated spoils that were transported to Cemex, and final confirmation samples documenting cleanup. None of the final confirmation samples contained concentrations of any of the BTEX compounds. Two samples contained low but detectable concentrations of gasoline range petroleum hydrocarbons, at reported concentrations of 5.2 and 32 mg/kg (units equivalent to parts per million (ppm)). These reported concentrations are below applicable Model Toxics Control Act (MTCA) Method A soil cleanup levels for unrestricted land use. (Note that since no benzene was reported to be present in any of the samples the MTCA Method A cleanup level for gasoline is 100 mg/kg. If benzene were present, the gasoline cleanup level would be 30 mg/kg.)

Lead was detected in the two analyzed samples at concentrations of 2.10 and 1.95 mg/kg, levels that would be considered typical for native soils and well below the 250 mg/kg MTCA Method A cleanup level.

Based on the work conducted, our observations of the excavation and this final confirmation sampling, no further action appears warranted.

After review of the laboratory results, the excavation was backfilled using crushed recycled concrete.

4.4 Muffler Shop Hydraulic Lift Area

On January 3rd, 2017, WES and Ryatt returned to the north end of the site and excavated the location of the former hydraulic lifts. The soil that had been used to backfill the area was found to be saturated and unstable due to the heavy rains that had occurred in Fall and Winter. Some of the material was stockpiled for re-use, but much of it became mixed with PCS as the excavation proceeded, and was transported off-site for treatment and disposal. As a result, the volume of soil removed from this area was greater than required for environmental cleanup. Five truckloads of soil, totaling 80.77 tons were transported to Cemex for treatment and disposal.

The excavation extended to a depth of about six feet, until discolored soil was observed in two areas that had been directly beneath the former concrete trenches that housed the lifts. The excavation was extended to a depth of about nine feet until these discolored areas were completely removed. A small amount of PCS was also removed extending to the north of the easternmost lift, then six final confirmation samples were obtained from the excavation sidewalls and base. Figure 5 shows the extent of the excavated area and the locations of final confirmation samples.

The confirmation samples were analyzed for total petroleum hydrocarbons (TPH) in the diesel and motor oil ranges by Washington method NWTPH-D (extended), to identify heavier range hydrocarbons, such as would be expected in hydraulic oil. The laboratory findings are summarized in Table 3. The laboratory analytical report is included in Appendix C.

Five of the six samples contained no detectable diesel or motor oil range petroleum hydrocarbons. One sample, from the area to the north of the eastern lift (sample N.E. Sidewall - 8'), contained 1,800 mg/kg of motor oil range petroleum; below the MTCA Method A cleanup level of 2,000 mg/kg. Based on the work conducted, our observations of the excavation and this final confirmation sampling, no further action appears warranted.

After review of the laboratory results, the excavation was backfilled using crushed recycled concrete.

5.0 FINDINGS AND CONCLUSIONS

The independent remedial actions taken at this site appear to have effectively removed all identified petroleum contaminated soil from the subject property. A total of 341.11 tons of PCS were excavated, transported and properly disposed at the Cemex treatment facility in Everett, Washington. No groundwater was encountered at any time during the excavations. All confirmation sampling conducted at each of the excavated areas met Washington State Method A Cleanup Levels for unrestricted land use under WAC Chapter 173-340. These cleanup levels are applicable to residential development.

All laboratory testing was completed within appropriate holding times and met the quality assurance/quality control requirements of the project. Sample analyses were completed with detection limits appropriate for comparison to applicable regulatory criteria.

Based on the work conducted, our observations and laboratory analytical results, it is my professional opinion that no further action appears warranted.

The Washington Department of Ecology was notified of releases at this site in response to the initial conditions that were encountered. A copy of this report should be submitted to the agency to document the cleanup. The cleanup that was conducted is sufficient under MTCA regulations and once documentation is received, they will update the site status on their environmental databases.

To obtain a formal opinion from Ecology regarding the cleanup and condition of the property, the site could be entered in Ecology's Voluntary Cleanup Program (VCP). The VCP is a system that allows Ecology to review and comment on cleanup actions and if acceptable, can determine that no further action is warranted under current state regulations. However, the VCP review system is heavily backlogged and with the current waiting list, it could take a year or more for Ecology to accept the site, assign a reviewer and issue a formal opinion. This is a voluntary system set up to assist land owners and developers with formal determinations, but is not a required step under the law.

5.1 Limitations

This report has been prepared to attempt to qualify certain environmental conditions of the property. This information should be viewed only in the context of any pre-existing studies of the site and surrounding area that provide further information regarding environmental conditions. WES does not guarantee that the site is free of hazardous or potentially hazardous materials or conditions, or that latent or undiscovered conditions will not become evident in the future. This report represents the professional opinions and judgments of WES, prepared in accordance with our General Terms and Conditions and commonly practiced environmental assessment procedures. No other warranties, representations, or certifications are made.


WES may have obtained, reviewed, and evaluated information available from other consultants, analytical laboratories and local, state, or federal agencies in preparing this report. WES' conclusions, opinions, and recommendations are based, in part, on this information. Where

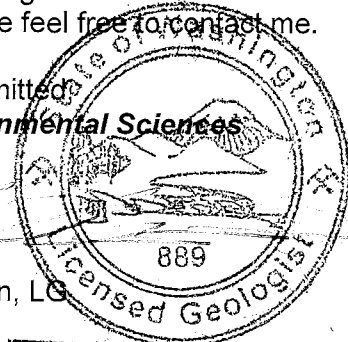
possible, WES has made efforts to identify mistakes or insufficiencies in the information provided, but verification of all of the information is beyond the scope of this study.

6.0 CLOSURE

Whitman Environmental Sciences has been pleased to be of service in this matter. If you have any questions regarding the information contained in this report, or if we may be of any further assistance, please feel free to contact me.

Respectfully submitted,
Whitman Environmental Sciences


Daniel S. Whitman, LG
Principal



DANIEL S. WHITMAN

EPRS 5-31-11

7.0 REFERENCES

Prior Environmental Studies:

Whitman Environmental Sciences (WES 2014a) Environmental Site Investigation, 7514 to 7536 15th Avenue NW, Seattle, Washington, Project No. WES-1471, February 21, 2014

Whitman Environmental Sciences (WES 2014b) Environmental Site Investigation, 7500 & 7510 15th Avenue NW, Seattle, Washington, Project No. WES-1480, September 11, 2014

Regulations and Guidance Documents:

Model Toxics Control Act Cleanup Regulation WAC Chapter 173-340

“Guidance for Site Checks and Site Assessments for Underground Storage Tanks”
WDOE Publication #90-52.

“Guidance on Sampling and Data Analysis Methods”, WDOE Publication No 94-49, 1995

Technical Memorandum #5 – “Collecting and Preparing Soil Samples for VOC Analysis”, WDOE

Table 1 - Excavation Confirmation Samples
Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington

Sample I.D. and Depth	Location	Sample Date	Laboratory Analytical Results (mg/kg)		
			Total Petroleum Hydrocarbons	Volatile Organic Compounds (62 Individual petroleum compounds and halogenated solvents)	Regulated Metals
Abandoned Structure Stairwell and Elevator Pit					
Stairwell Pit Soil	Sediment sample prior to excavation	7/26/2016	Gasoline: ND (<2) Diesel: 790 Motor Oil: 2,300	Toluene 1.2 Naphthalene 5.7 All others ND (<reporting limits)	Arsenic 2.17 Cadmium ND (<1) Chromium 13.9 Lead 3.45 Mercury ND (<1)
N. Base 10.5'	Excavation base at North wall	12/14/2016	Gasoline: NA Diesel: ND (<50) Motor Oil: ND (<250)	NA	NA
S. Base 10'	Excavation Base near South wall	12/14/2016	Gasoline: NA Diesel: ND (<50) Motor Oil: ND (<250)	NA	NA
E. Base 10'	Excavation base near East slope	12/14/2016	Gasoline: NA Diesel: ND (<50) Motor Oil: ND (<250)	NA	NA
W. Base 10.5'	Excavation base West of concrete footing	12/14/2016	Gasoline: NA Diesel: ND (<50) Motor Oil: ND (<250)	NA	NA
MTCA Method A Soil Cleanup Criteria:		Gasoline: 100 (No benzene is present) Diesel or Motor Oil: 2,000		Toluene: 7 Naphthalene: 160 Each compound has an individual Cleanup Level based on toxicity	Arsenic: 20 Cadmium: 2 Chromium: 19 Lead: 250 Mercury: 2

**Table 1 - Excavation Confirmation Samples
Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington**

Table 1 Notes:

ND (<XXX) - Parameter not detected at concentrations at or above the noted reporting limit.

NA - Sample not analyzed for the listed parameter.

Mg/kg - Units equivalent to parts per million (ppm).

Gasoline Range Total Petroleum Hydrocarbons by Method NWTPH-G.

Diesel and Motor Oil Range Total Petroleum Hydrocarbons by Method NWTPH-D (x).

Volatile Organic Compounds by EPA Method 8260C.

MTCA Soil cleanup criteria per Chapter 173-340-740 WAC. Method A criteria presented where available.

Table 2 - Excavation Confirmation Samples
Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington

Sample I.D. and Depth	Location	Sample Date	Laboratory Analytical Results (mg/kg)					
			Total Petroleum Hydrocarbons	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total Lead
Former Service Station Underground Storage Tank Excavation								
WBB-9'	West sidewalk bench	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA
Center Base-13'	Excavation base between Tanks 1 & 2	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA
T3 E. Base-12'	Excavation base beneath Tank 3	12/15/2016	Gasoline: 5.8 Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	2.10
NSW-10'	North sidewalk near Tank 1	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA
N.W. Corner 11'	Northwestern corner of excavation	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA
S.W. Sidewall-10'	South sidewalk West of Tank 2	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA

Table 2 - Excavation Confirmation Samples
Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington

Sample I.D. and Depth	Location	Sample Date	Laboratory Analytical Results (mg/kg)						
			Total Petroleum Hydrocarbons	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total Lead	
S.E. Sidewall-11'	South sidewall East of Tank 2	12/15/2016	Gasoline: 32 Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	1.95	
N.E. Sidewall-10'	North sidewall near Tank 3	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA	
S.W. Corner-10'	Sidewall West of Tank 2	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA	
S.W. Bench Sidewall - 10'	Sidewall of flat bench area near SW corner	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA	
T3 E. Sidewall - 9'	Sidewall at E. end of Tank 3	12/15/2016	Gasoline: ND (<2) Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	ND (<0.02)	ND (<0.06)	NA	
Excavation Spoils	Stockpile removed for disposal	12/14/2016	Gasoline: 78 Diesel: NA Motor Oil: NA	ND (<0.02)	ND (<0.02)	0.17	0.22	3.25	
Excavation Spoils 2	Stockpile removed for disposal	12/16/2016	Gasoline: 520 Diesel: NA Motor Oil: NA	ND (<0.4)	ND (<0.4)	0.95	2.5	NA	

Table 2 - Excavation Confirmation Samples
Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington

Sample I.D. and Depth	Location	Sample Date	Laboratory Analytical Results (mg/kg)					
			Total Petroleum Hydrocarbons	Benzene	Toluene	Ethyl benzene	Total Xylenes	Total Lead
MTCA Method A Soil Cleanup Criteria:		Gasoline: 100 <i>(No benzene is present)</i> Diesel or Motor Oil: 2,000		0.03	7.0	6.0	9.0	250

Table 2 Notes:

ND (<XXX) - Parameter not detected at concentrations at or above the noted reporting limit.

NA - Sample not analyzed for the listed parameter.

Mg/kg - Units equivalent to parts per million (ppm).

Gasoline Range Total Petroleum Hydrocarbons by Method NWTPH-G.

Diesel and Motor Oil Range Total Petroleum Hydrocarbons by Method NWTPH-D (x).

BTEX compounds by EPA Method 8021B.

MTCA Soil cleanup criteria per Chapter 173-340-740 WAC. Method A criteria presented where available.

Table 3 - Excavation Confirmation Samples
Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington

Sample I.D. and Depth	Location	Sample Date	Laboratory Analytical Results (mg/kg)	
			Total Petroleum Hydrocarbons	
			Diesel Range	Motor Oil Range
Former Muffler Shop Hydraulic Lift Area Excavation				
MS West Sidewall - 8'	West side of excavation, at West lift	1/3/2017	ND (<50)	ND (<250)
MS S.W. Base - 9'	Base below West lift	1/3/2017	ND (<50)	ND (<250)
MS E. Sidewall - 8'	East side of excavation, at East lift	1/3/2017	ND (<50)	ND (<250)
MS S.E. Base - 9'	Base below East lift	1/3/2017	ND (<50)	ND (<250)
MS N.E. Sidewall- 8'	North side of excavation, at East lift	1/3/2017	540	1,800
MS N.W. Base-9'	Base below West lift	1/3/2017	ND (<50)	ND (<250)
MTCA Method A Soil Cleanup Criteria:			Diesel or Motor Oil:	2,000

Table 3 Notes:

Mg/kg - Units equivalent to parts per million (ppm).

Diesel and Motor Oil Range Total Petroleum Hydrocarbons by Method NWTPH-D (x).

MTCA Soil cleanup criteria per Chapter 173-340-740 WAC. Method A criteria presented where available.

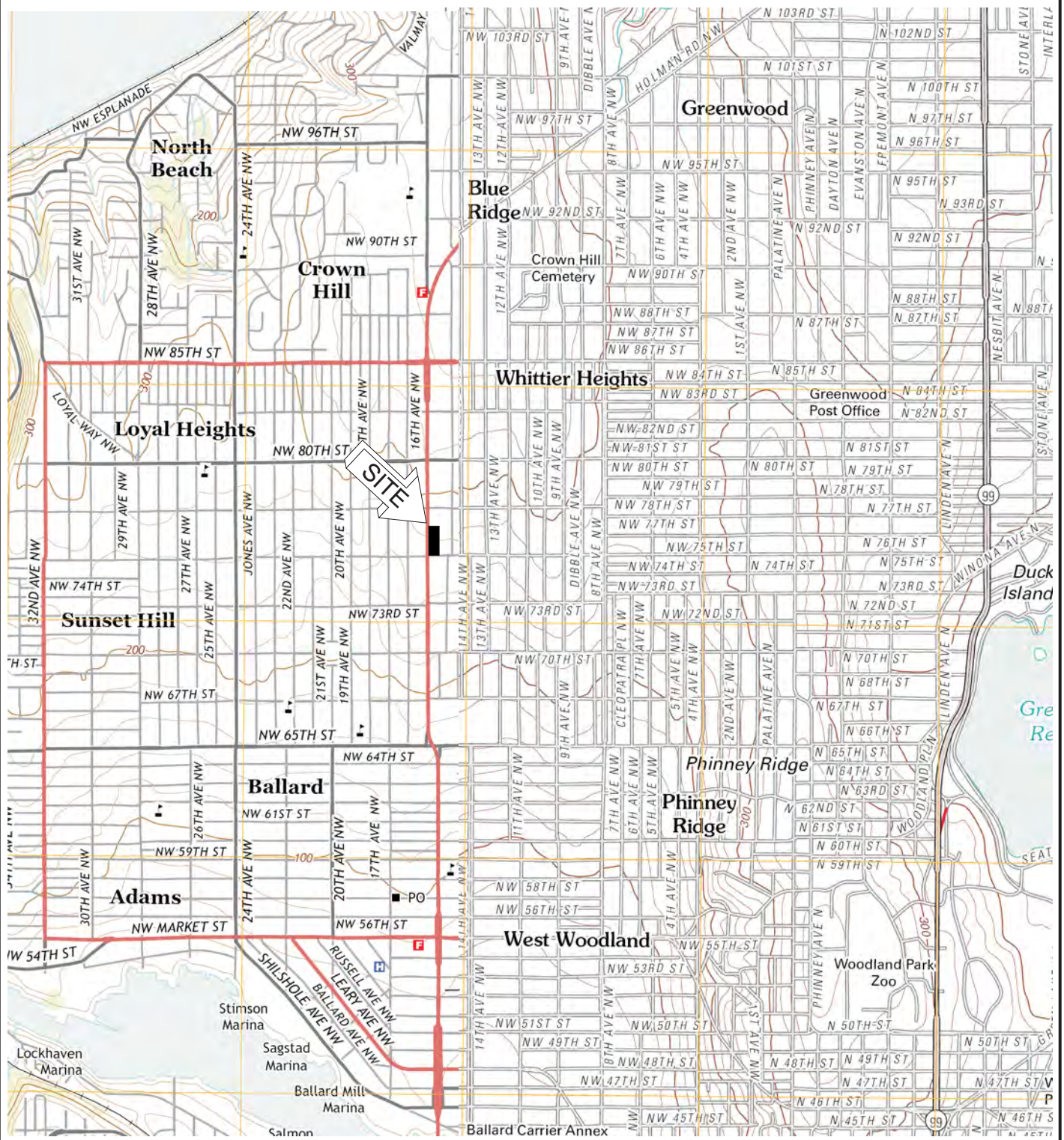


Figure 1 - Site Map

Talta Ballard Project Site
7500 to 7530 15th Avenue NW
Seattle, Washington

Project No.	WES - 1471A
Date	Jan 14, 2017
File ID.	1471AF1

WHITMAN
Environmental Sciences

From USGS



Base Photo from Google Earth

Figure 2 - Site Plan

Talta Ballard Project Site
7500 to 7530 15th Avenue NW
Seattle, Washington

Project No.	WES - 1471A
Date	Feb 1, 2017
File ID.	1471AF1



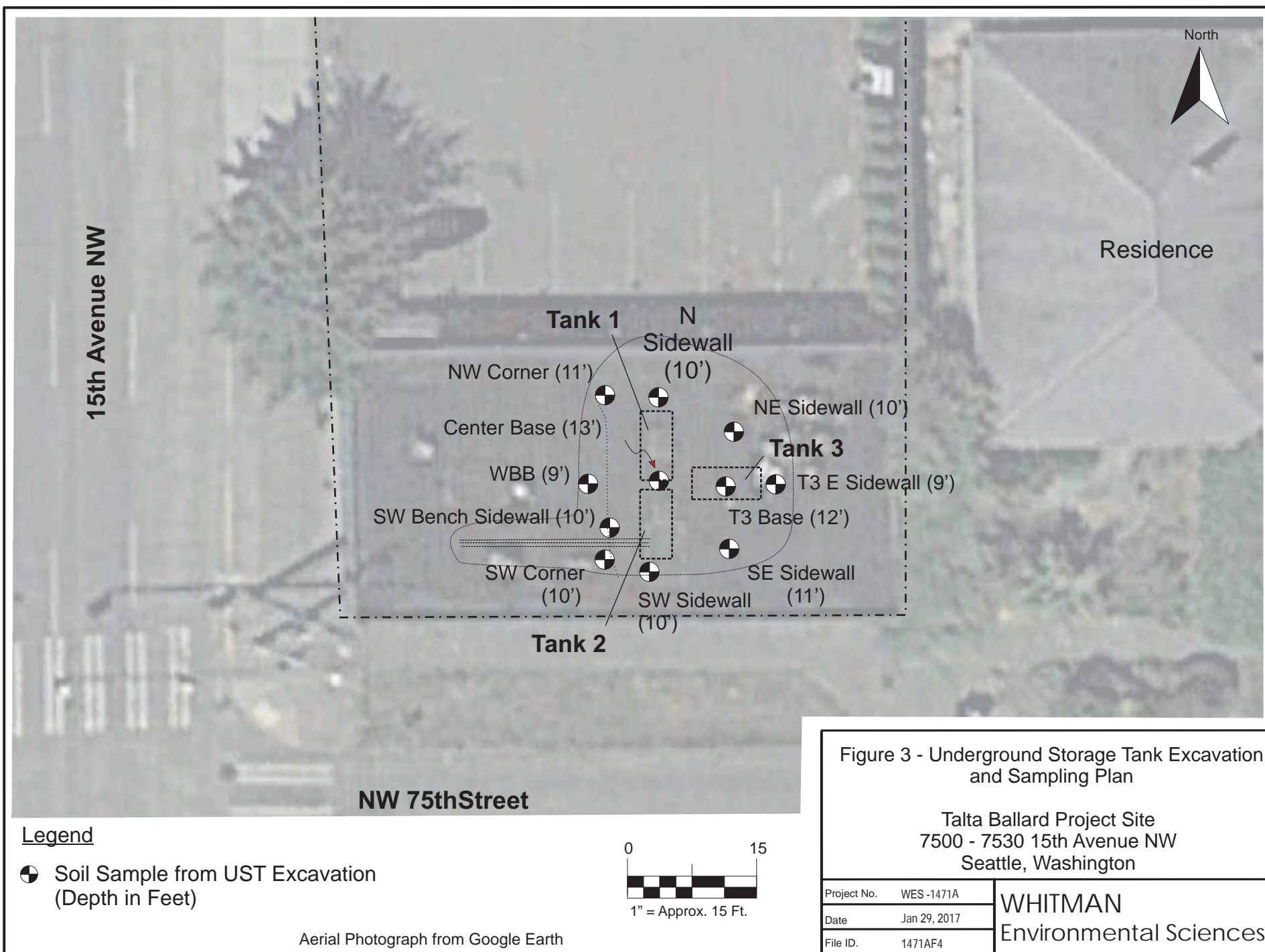




Figure 4 - Abandoned Structure Stairwell and Elevator Pit Excavation and Sampling Plan

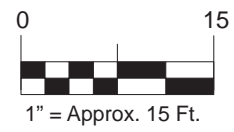
Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington

Project No.	WES -1471A
Date	Jan 29, 2017
File ID.	1471AF4

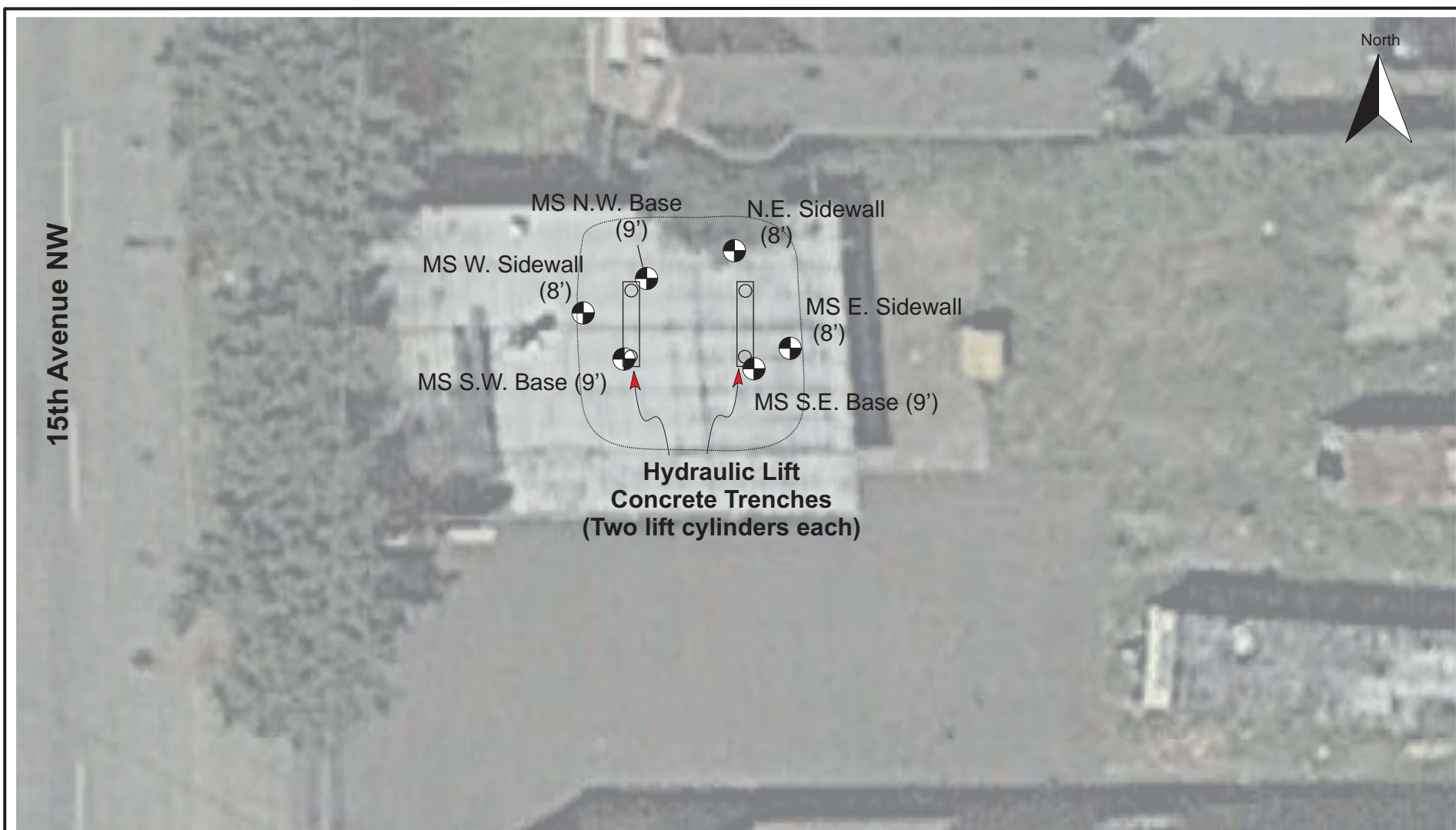
WHITMAN
Environmental Sciences

Legend

- Soil Sample from Excavation (Depth in Feet)



Aerial Photograph from Google Earth



Legend

- Soil Sample from Excavation
(Depth in Feet)



Aerial Photograph from Google Earth

Figure 5 - Muffler Shop Hydraulic Lift
Excavation and Sampling Plan

Talta Ballard Project Site
7500 - 7530 15th Avenue NW
Seattle, Washington

Project No. WES -1471A

Date Jan 29, 2017

File ID. 1471AF5

WHITMAN
Environmental Sciences

APPENDIX A

Site Photographs

Abandoned Structure Stairwell and Elevator Pit Cleanup Photos



- 1.) View of the debris pile in the abandoned structure near the former muffler shop. (June 24th, 2016)



- 2.) View of the incomplete stairwell and elevator pit in the northwest corner of the building. The pit had standing water in it and debris. (June 24th, 2016)



- 3.) View of the stairwell pit after the rest of the building had been removed. (August 11, 2016)



- 4.) View of the soil and standing water in the pit as excavation began. (December 13, 2016)



5.) View of the pit while excavating the base soil. (December 13th, 2016)



6.) View of clean soil in the excavation base, after removing about 1.5 foot of stained soil. (December 13, 2016)



7.) View of the clean excavation base. (December 13th, 2016)



8.) View of the excavation outside the wall of the pit, to check if contaminants had seeped under the footing. West base sample taken from this area showed no detectable petroleum. (December 13th, 2016)

Former Gas Station UST Removal and Cleanup Photos



- 1.) View of the former Westernco Donut shop at the south end of the property. (2014 photo)
The building was constructed in 1964, directly over the location of a former gas station.



- 2.) Historical photograph of the former gas station from King County Assessor's records.
(1937 photo)



- 3.) Historical photograph of the former gas station from King County Assessor's records. Southern pump island had been removed and the office expanded. (1950 photo)



- 4.) View of the trackhoe digging a test pit at the location of the former pump island. Digging encountered product piping that extended to the east. (December 13th, 2016)



- 5.) View of the tank area, excavated to the level of the top of Tanks 1 and 2. Piping in the far wall extends to Tank 3, not yet excavated. (December 13th, 2016)



- 6.) View of the excavation with all three tanks exposed. (December 13th, 2016)



- 7.) View of the UST contractor pumping and rinsing the tanks before removal. (December 13, 2016)



- 8.) View of the trackhoe moving Tank 2 for removal. (December 14th, 2016)



9.) View of Tank 2 being removed from the ground. (December 14th, 2016)



10.) View of Tank 2 after removal. The tank was heavily pitted, but there were no readily apparent holes. (December 14th, 2016)



11.) View of the trackhoe removing Tank 1. (December 14th, 2016)



12.) View of Tank 1 after removal. The top of the tank had historically been partially cut open, but otherwise the tank was in good condition, with moderate corrosion. (December 14th, 2016)



13.) View of the trackhoe removing Tank 3. (December 14th, 2016)



14.) View of Tank 3 after removal. The tank was in fair to good condition with moderate corrosion. (December 14th, 2016)



15.) View of the tanks being loaded for transport off the site. (December 14th, 2016)



16.) View of excavation of petroleum contaminated soil. (December 15th, 2016)



- 17.) View of excavation facing east after removal of discolored soil in the center and western part of the pit.



- 18.) View of excavation of the southern part of the pit, beneath Tank 2. (December 15th, 2016)

Muffler Shop Cleanup Photos



1.) View of the former muffler shop at the north end of the property. (2014 photo)



2.) View of one of two hydraulic lift systems in the muffler shop. Each lift had two hydraulic cylinders. (2014 photo)



- 3.) View of the drum storage caddy for waste oils next to the muffler shop. Other small containers were not as well managed. (2014 photo)



- 4.) View of the floor slab and debris pile from demolition of the structure. Hydraulic lifts remained in place.



- 5.) View of the hydraulic lift cylinders and narrow concrete trenches after removing the floor slab and equipment. (August 5th, 2016)



- 6.) View of the excavation of the western lift area, as dicolored soil was exposed. (January 3, 2017)



7.) View of the trackhoe excavating the eastern lift area. (January 3, 2017)



8.) View of the excavation of both lifts, nearing completion. A small zone of discolored soil remained at the north end of the eastern lift, on left. (January 3, 2017)



- 9.) View of the excavation while removing discolored area in the northeastern corner.
(January 3, 2017)



- 10.) View of the south end of the excavation and trackhoe loading petroleum contaminated soil to trucks for disposal. (January 3, 2017)

APPENDIX B

***Residential Heating Oil Tank Removal and Assessment Report
Filco, Inc.***



FILCO COMPANY INC.

P.O. Box 31228 • Seattle, WA 98103 • Ph: (206) 547-8347 • Fax: (206) 548-9352
www.FilcoEnviro.com • Lic# FILCOCI080RU

UST Removal Report

7518 15th Avenue NW
Seattle, Washington 98117
Filco Project # 25863

UST Removal Date: August 11, 2016

Current Property Owner: U Districts Investments LLC
Client: Isola Homes
Location of heating oil tank on the property: West side of building
Heating oil tank Size: 675 gallons
Tank Removed by: Ryatt Construction
Contents of heating oil tank at time of removal
- Heating oil: Approximately 20 gallons
- Water: No measurable quantity
- Other: NA
Method(s) used to collect soil sample(s): Excavator bucket

Soil Sample Analytical Results

Total Diesel and Oil- Range Petroleum Hydrocarbons (C₁₀-C₃₆) using Method NWTPH-Dx
Results in milligrams per kilograms equivalent to parts per million (ppm)

Sample ID	Sample Location in Relation to Heating Oil Tank	Depth Interval (fbg)	Analytical Result (ppm)
TP1	Fill End of UST Removal Pit	7	<50
TP2	Beneath Center of UST Removal Pit	7	<50
TP3	Vent End of UST Removal Pit	7	<50
SP1	Overburden Soils Stockpile	NA	<50
SP2	Overburden Soils Stockpile	NA	<50
SP3	Overburden Soils Stockpile	NA	<50
Model Toxics Control Act Method A Cleanup Level			2,000

The analytical results confirmed the sampled locations were free of diesel and oil-range total petroleum hydrocarbons at concentrations exceeding the laboratory method reporting limit (MRL) of 50 ppm. However, that does 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 do not exist on the Subject Property, or that migration of contamination onto 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.

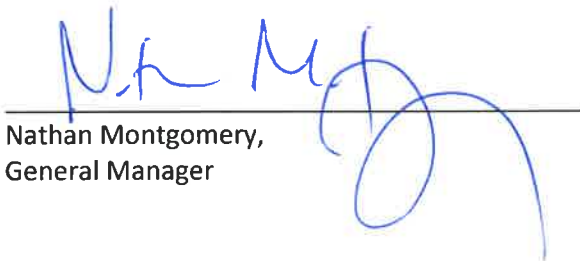
Work by Filco associated with this task was performed, and this report was prepared in accordance with generally accepted professional practices for work of this nature, at the time it was performed. No warranty, express or implied, is made. Should you have any questions regarding this report or any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

Respectfully submitted:
Filco Company Inc.



James C. Leonard,
Washington State Registered Site Assessor

August 19, 2016



Nathan Montgomery,
General Manager

References

1. Guidance for Remediation of Petroleum Contaminated Sites – Washington State Department of Ecology Toxics Cleanup Program, Revised June 2016
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
4. Washington State Model Toxics Control Act – Chapter 173-340 WAC
5. Underground Storage Tank Regulations – Chapter 173-360 WAC

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

August 17, 2016

James 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 August 12, 2016 from the 7518 15th Avenue NW, F&BI 608232 project. There are 3 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
FCI0817R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/17/16
Date Received: 08/12/16
Project: 7518 15th Avenue NW, F&BI 608232
Date Extracted: 08/12/16
Date Analyzed: 08/12/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS DIESEL
USING METHOD NWTPH-D_x
Extended to Include Motor Oil Range Compounds
Results Reported on a Dry Weight Basis
Results Reported as mg/kg (ppm)**

<u>Sample ID</u> Laboratory ID	<u>Diesel Extended</u> (C ₁₀ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 56-165)
TP1 608232-01	<50	98
TP2 608232-02	<50	96
TP3 608232-03	<50	100
SP1 608232-04	<50	95
SP2 608232-05	<50	101
SP3 608232-06	<50	99
Method Blank 06-1658 MB	<50	101

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/17/16

Date Received: 08/12/16

Project: 7518 15th Avenue NW, F&BI 608232

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

Laboratory Code: 608230-01 (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	<50	93	92	63-146	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	95	79-144

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

608232

SAMPLE CHAIN OF CUSTODY

ML 08-12-16

ED2

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.	PO #
7518 15th Avenue NW	
REMARKS	
please fax results	

Page # _____ of _____
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	ANALYSES REQUESTED							Notes																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
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THUR 08/11/16
10 AM SKYour
Seattle
Fire DepartmentRECEIVED
AUG 08 2016
PERMIT SECTION

APPLICATION FOR TEMPORARY PERMIT

Code 7908

Commercial Tank Removal/Decommissioning

Permit Fee: \$218.00

Date Issued: 8/11/16

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 7518 15th Ave NW			
CONTACT PERSON	Josh Hilton		PHONE NUMBER (206) 423-1092
Number of Tank(s): <u>one</u>		Tank Size(s): <u>300</u>	
Product(s) Previously Contained: <u>Heating Oil</u>		<input type="checkbox"/> Aboveground tank <input checked="" type="checkbox"/> Underground tank	
<input checked="" type="checkbox"/> Removal (Marine Chemist inspection and certificate required for all tanks regardless of size or contents)			
<input type="checkbox"/> Abandonment-in-Place (Marine Chemist certificate required for tanks previously containing Class I flammable liquids and/or unknowns)			
Hot work being conducted:		<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (If yes, a separate hot work permit is required)	

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

Seattle Fire Department
Fire Marshal's Office - Permits
220 Third Ave S, 2nd Floor
Seattle, WA 98104-2608To 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:		APPROVED BY:	
Check No.:	<u>7625080816</u>	Inspector:	<u>AL Dwyer</u>
Receipt No.:	<u>5-264532</u>	Name of Marine Chemist:	<u>Joe Tarkenton</u>
Application ID#:	<u>106090</u>	Date:	<u>8/11/16</u>
		SFD ID#	<u>1321</u>
		Certificate #	<u>726</u>

SOUND TESTING, INC.

P.O. BOX 16204 SEATTLE, WA 98116

(206) 932-0206 FAX (206) 937-3848

WWW.SOUNDTESTINGINC.COM

MARINE CHEMIST CERTIFICATE**SERIAL** **46760**FILCO

Survey Requested by

UST

Vessel

(HEATING OIL) X3

Last Three (3) Loadings

FILCO

Vessel Owner or Agent

UST

Type of Vessel

VISUAL, O₂, LEL, CO, H₂S, THC

Tests Performed

8/11/16

Date

7518 15TH AVE NW

Specific Location of Vessel

0915 Hrs

Time Survey Completed

SAFE FOR EXCAVATION300 gal USTSAFE FOR TRANSPORTO₂ = 20.9%, LEL = 8%CO = H₂S < 1ppmTHC = 480 ppm ± 1ppm

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."

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 [Signature]
NameFILCO
Company8/11/16
DateSigned [Signature]
Marine Chemist#725
Certificate No.

POSTING

APPENDIX C

***Laboratory Analytical Reports
Friedman & Bruya, Inc.***

Initial Oil, Wastewater and Soil Samples

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
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July 28, 2016

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on July 26, 2016 from the 15th Ave NW PO WES 1471A, F&BI 607431 project. There are 20 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.



Michael Erdahl
Project Manager

Enclosures
WES0728R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 26, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW PO WES 1471A, F&BI 607431 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Whitman Environmental Sciences</u>
607431 -01	Lift Oil
607431 -02	Stairwell Pit Soil
607431 -03	Stairwell Pit Water

The NWTPH-Gx sample Stairwell Pit Soil was not received in a 5035 sampling container. The data were flagged accordingly.

All other quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

Date Extracted: 07/27/16

Date Analyzed: 07/27/16

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

Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Gasoline Range</u>	Surrogate (% Recovery) (Limit 51-134)
Stairwell Pit Water 607431-03 1/100	<10,000	91
Method Blank 06-1477 MB	<100	98

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

Date Extracted: 07/26/16

Date Analyzed: 07/26/16

**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)

<u>Sample ID</u>	<u>Gasoline Range</u>	Surrogate (% Recovery)
Laboratory ID		(Limit 50-150)
Stairwell Pit Soil pc 607431-02	<2	97
Method Blank 06-1475 MB	<2	92

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

Date Extracted: 07/26/16

Date Analyzed: 07/26/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(% Recovery)
			(Limit 48-168)
Stairwell Pit Soil	790 x	2,300	92
607431-02			
Method Blank	<50	<250	82
06-1517 MB			

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

Date Extracted: 07/26/16

Date Analyzed: 07/26/16

**RESULTS FROM THE ANALYSIS OF WATER SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**
Results Reported as ug/L (ppb)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 47-140)
Stairwell Pit Water 607431-03	3,500 x	5,100	104
Method Blank 06-1508 MB2	<50	<250	83

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Stairwell Pit Soil	Client:	Whitman Environmental Sciences
Date Received:	07/26/16	Project:	15th Ave NW PO WES 1471A
Date Extracted:	07/27/16	Lab ID:	607431-02
Date Analyzed:	07/27/16	Data File:	607431-02.057
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	2.17
Cadmium	<1
Chromium	13.9
Lead	3.45
Mercury	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	NA	Project:	15th Ave NW PO WES 1471A
Date Extracted:	07/27/16	Lab ID:	I6-486 mb2
Date Analyzed:	07/27/16	Data File:	I6-486 mb2.047
Matrix:	Soil	Instrument:	ICPMS1
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Arsenic	<1
Cadmium	<1
Chromium	<5
Lead	<1
Mercury	<1

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID: Stairwell Pit Water cf	Client: Whitman Environmental Sciences
Date Received: 07/26/16	Project: 15th Ave NW PO WES 1471A
Date Extracted: 07/27/16	Lab ID: 607431-03
Date Analyzed: 07/27/16	Data File: 072716.D
Matrix: Water	Instrument: GCMS4
Units: ug/L (ppb)	Operator: JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	100	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	101	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	19	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	1.2	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	5.7
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Volatile Compounds By EPA Method 8260C

Client Sample ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	Not Applicable	Project:	15th Ave NW PO WES 1471A
Date Extracted:	07/27/16	Lab ID:	06-1524 mb
Date Analyzed:	07/27/16	Data File:	072708.D
Matrix:	Water	Instrument:	GCMS4
Units:	ug/L (ppb)	Operator:	JS

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
1,2-Dichloroethane-d4	101	57	121
Toluene-d8	100	63	127
4-Bromofluorobenzene	100	60	133

Compounds:	Concentration ug/L (ppb)	Compounds:	Concentration ug/L (ppb)
Dichlorodifluoromethane	<1	1,3-Dichloropropane	<1
Chloromethane	<10	Tetrachloroethene	<1
Vinyl chloride	<0.2	Dibromochloromethane	<1
Bromomethane	<1	1,2-Dibromoethane (EDB)	<1
Chloroethane	<1	Chlorobenzene	<1
Trichlorofluoromethane	<1	Ethylbenzene	<1
Acetone	<10	1,1,1,2-Tetrachloroethane	<1
1,1-Dichloroethene	<1	m,p-Xylene	<2
Hexane	<1	o-Xylene	<1
Methylene chloride	<5	Styrene	<1
Methyl t-butyl ether (MTBE)	<1	Isopropylbenzene	<1
trans-1,2-Dichloroethene	<1	Bromoform	<1
1,1-Dichloroethane	<1	n-Propylbenzene	<1
2,2-Dichloropropane	<1	Bromobenzene	<1
cis-1,2-Dichloroethene	<1	1,3,5-Trimethylbenzene	<1
Chloroform	<1	1,1,2,2-Tetrachloroethane	<1
2-Butanone (MEK)	<10	1,2,3-Trichloropropane	<1
1,2-Dichloroethane (EDC)	<1	2-Chlorotoluene	<1
1,1,1-Trichloroethane	<1	4-Chlorotoluene	<1
1,1-Dichloropropene	<1	tert-Butylbenzene	<1
Carbon tetrachloride	<1	1,2,4-Trimethylbenzene	<1
Benzene	<0.35	sec-Butylbenzene	<1
Trichloroethene	<1	p-Isopropyltoluene	<1
1,2-Dichloropropane	<1	1,3-Dichlorobenzene	<1
Bromodichloromethane	<1	1,4-Dichlorobenzene	<1
Dibromomethane	<1	1,2-Dichlorobenzene	<1
4-Methyl-2-pentanone	<10	1,2-Dibromo-3-chloropropane	<10
cis-1,3-Dichloropropene	<1	1,2,4-Trichlorobenzene	<1
Toluene	<1	Hexachlorobutadiene	<1
trans-1,3-Dichloropropene	<1	Naphthalene	<1
1,1,2-Trichloroethane	<1	1,2,3-Trichlorobenzene	<1
2-Hexanone	<10		

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Lift Oil	Client:	Whitman Environmental Sciences
Date Received:	07/26/16	Project:	15th Ave NW PO WES 1471A
Date Extracted:	07/26/16	Lab ID:	607431-01
Date Analyzed:	07/27/16	Data File:	072709.D
Matrix:	Product	Instrument:	GC7
Units:	mg/kg (ppm)	Operator:	MP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	77	37	158

Compounds:	Concentration mg/kg (ppm)
Aroclor 1221	<2
Aroclor 1232	<2
Aroclor 1016	<2
Aroclor 1242	<2
Aroclor 1248	<2
Aroclor 1254	<2
Aroclor 1260	<2
Aroclor 1262	<2
Aroclor 1268	<2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For PCBs By EPA Method 8082A

Client Sample ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	Not Applicable	Project:	15th Ave NW PO WES 1471A
Date Extracted:	07/26/16	Lab ID:	06-1518 mb
Date Analyzed:	07/27/16	Data File:	072707.D
Matrix:	Product	Instrument:	GC7
Units:	mg/kg (ppm)	Operator:	MP

Surrogates:	% Recovery:	Lower Limit:	Upper Limit:
TCMX	85	37	158

Compounds:	Concentration mg/kg (ppm)
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Aroclor 1221	<2
Aroclor 1232	<2
Aroclor 1016	<2
Aroclor 1242	<2
Aroclor 1248	<2
Aroclor 1254	<2
Aroclor 1260	<2
Aroclor 1262	<2
Aroclor 1268	<2

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER
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	ug/L (ppb)	1,000	96	96	69-134	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

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

Laboratory Code: 607276-02 (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	100	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

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

Laboratory Code: 607276-02 (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	121	109	73-135	10

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	120	74-139

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

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

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Diesel Extended	ug/L (ppb)	2,500	79	79	63-142	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

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

Laboratory Code: 607428-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result (Wet wt)	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Arsenic	mg/kg (ppm)	10	1.47	109	105	70-130	4
Cadmium	mg/kg (ppm)	10	<1	106	100	70-130	6
Chromium	mg/kg (ppm)	50	16.0	119	100	70-130	17
Lead	mg/kg (ppm)	50	7.18	104	92	70-130	12
Mercury	mg/kg (ppm)	10	<1	97	94	70-130	3

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Arsenic	mg/kg (ppm)	10	109	85-115
Cadmium	mg/kg (ppm)	10	106	85-115
Chromium	mg/kg (ppm)	50	108	85-115
Lead	mg/kg (ppm)	50	103	85-115
Mercury	mg/kg (ppm)	10	101	85-115

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

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

Laboratory Code: 607440-20 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Dichlorodifluoromethane	ug/L (ppb)	50	<1	103	10-172
Chloromethane	ug/L (ppb)	50	<10	96	25-166
Vinyl chloride	ug/L (ppb)	50	<0.2	95	36-166
Bromomethane	ug/L (ppb)	50	<1	121	47-169
Chloroethane	ug/L (ppb)	50	<1	116	46-160
Trichlorofluoromethane	ug/L (ppb)	50	<1	96	44-165
Acetone	ug/L (ppb)	250	<10	74	10-182
1,1-Dichloroethene	ug/L (ppb)	50	<1	102	60-136
Hexane	ug/L (ppb)	50	<1	94	52-150
Methylene chloride	ug/L (ppb)	50	<5	96	67-132
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	<1	91	74-127
trans-1,2-Dichloroethene	ug/L (ppb)	50	<1	89	72-129
1,1-Dichloroethane	ug/L (ppb)	50	<1	91	70-128
2,2-Dichloropropane	ug/L (ppb)	50	<1	98	36-154
cis-1,2-Dichloroethene	ug/L (ppb)	50	<1	92	71-127
Chloroform	ug/L (ppb)	50	<1	93	65-132
2-Butanone (MEK)	ug/L (ppb)	250	<10	85	10-129
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	<1	89	69-133
1,1,1-Trichloroethane	ug/L (ppb)	50	<1	91	60-146
1,1-Dichloropropene	ug/L (ppb)	50	<1	90	69-133
Carbon tetrachloride	ug/L (ppb)	50	<1	92	56-152
Benzene	ug/L (ppb)	50	<0.35	89	76-125
Trichloroethene	ug/L (ppb)	50	<1	88	66-135
1,2-Dichloropropane	ug/L (ppb)	50	<1	91	78-125
Bromodichloromethane	ug/L (ppb)	50	<1	94	61-150
Dibromomethane	ug/L (ppb)	50	<1	89	66-141
4-Methyl-2-pentanone	ug/L (ppb)	250	<10	89	10-185
cis-1,3-Dichloropropene	ug/L (ppb)	50	<1	93	72-132
Toluene	ug/L (ppb)	50	<1	85	76-122
trans-1,3-Dichloropropene	ug/L (ppb)	50	<1	94	76-130
1,1,2-Trichloroethane	ug/L (ppb)	50	<1	89	68-131
2-Hexanone	ug/L (ppb)	250	<10	95	10-185
1,3-Dichloropropane	ug/L (ppb)	50	<1	92	71-128
Tetrachloroethene	ug/L (ppb)	50	<1	89	10-226
Dibromochloromethane	ug/L (ppb)	50	<1	93	70-139
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	<1	88	69-134
Chlorobenzene	ug/L (ppb)	50	<1	89	77-122
Ethylbenzene	ug/L (ppb)	50	<1	89	69-135
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	<1	92	73-137
m,p-Xylene	ug/L (ppb)	100	<2	88	69-135
o-Xylene	ug/L (ppb)	50	<1	87	60-140
Styrene	ug/L (ppb)	50	<1	89	71-133
Isopropylbenzene	ug/L (ppb)	50	<1	87	65-142
Bromoform	ug/L (ppb)	50	<1	93	65-142
n-Propylbenzene	ug/L (ppb)	50	<1	87	58-144
Bromobenzene	ug/L (ppb)	50	<1	90	75-124
1,3,5-Trimethylbenzene	ug/L (ppb)	50	<1	87	66-137
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	<1	95	51-154
1,2,3-Trichloropropane	ug/L (ppb)	50	<1	92	53-150
2-Chlorotoluene	ug/L (ppb)	50	<1	88	66-127
4-Chlorotoluene	ug/L (ppb)	50	<1	89	65-130
tert-Butylbenzene	ug/L (ppb)	50	<1	88	65-137
1,2,4-Trimethylbenzene	ug/L (ppb)	50	<1	87	59-146
sec-Butylbenzene	ug/L (ppb)	50	<1	86	64-140
p-Isopropyltoluene	ug/L (ppb)	50	<1	86	65-141
1,3-Dichlorobenzene	ug/L (ppb)	50	<1	88	72-123
1,4-Dichlorobenzene	ug/L (ppb)	50	<1	86	69-126
1,2-Dichlorobenzene	ug/L (ppb)	50	<1	89	69-128
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	<10	93	32-164
1,2,4-Trichlorobenzene	ug/L (ppb)	50	<1	87	66-136
Hexachlorobutadiene	ug/L (ppb)	50	<1	88	60-143
Naphthalene	ug/L (ppb)	50	<1	90	44-164
1,2,3-Trichlorobenzene	ug/L (ppb)	50	<1	87	69-148

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF WATER 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	ug/L (ppb)	50	103	105	25-158	2
Chloromethane	ug/L (ppb)	50	89	94	45-156	5
Vinyl chloride	ug/L (ppb)	50	91	96	50-154	5
Bromomethane	ug/L (ppb)	50	115	121	55-143	5
Chloroethane	ug/L (ppb)	50	114	115	58-146	1
Trichlorofluoromethane	ug/L (ppb)	250	104	98	50-150	6
Acetone	ug/L (ppb)	250	84	77	53-131	9
1,1-Dichloroethene	ug/L (ppb)	50	102	101	67-136	1
Hexane	ug/L (ppb)	50	99	95	57-137	4
Methylene chloride	ug/L (ppb)	50	96	96	39-148	0
Methyl t-butyl ether (MTBE)	ug/L (ppb)	50	94	96	64-147	2
trans-1,2-Dichloroethene	ug/L (ppb)	50	91	91	68-128	0
1,1-Dichloroethane	ug/L (ppb)	50	93	94	79-121	1
2,2-Dichloropropane	ug/L (ppb)	50	100	101	55-143	1
cis-1,2-Dichloroethene	ug/L (ppb)	50	94	94	80-123	0
Chloroform	ug/L (ppb)	50	95	95	80-121	0
2-Butanone (MEK)	ug/L (ppb)	250	89	88	57-149	1
1,2-Dichloroethane (EDC)	ug/L (ppb)	50	90	90	73-132	0
1,1,1-Trichloroethane	ug/L (ppb)	50	93	94	83-130	1
1,1-Dichloropropene	ug/L (ppb)	50	94	94	77-129	0
Carbon tetrachloride	ug/L (ppb)	50	96	96	75-158	0
Benzene	ug/L (ppb)	50	91	91	69-134	0
Trichloroethene	ug/L (ppb)	50	91	91	80-120	0
1,2-Dichloropropane	ug/L (ppb)	50	93	94	77-123	1
Bromodichloromethane	ug/L (ppb)	50	96	96	81-133	0
Dibromomethane	ug/L (ppb)	50	90	91	82-125	1
4-Methyl-2-pentanone	ug/L (ppb)	250	90	90	65-138	0
cis-1,3-Dichloropropene	ug/L (ppb)	50	97	96	82-132	1
Toluene	ug/L (ppb)	50	88	88	72-122	0
trans-1,3-Dichloropropene	ug/L (ppb)	50	97	98	80-136	1
1,1,2-Trichloroethane	ug/L (ppb)	50	90	91	75-124	1
2-Hexanone	ug/L (ppb)	250	93	96	60-136	3
1,3-Dichloropropane	ug/L (ppb)	50	93	94	76-126	1
Tetrachloroethene	ug/L (ppb)	50	94	94	76-121	0
Dibromochloromethane	ug/L (ppb)	50	97	97	84-133	0
1,2-Dibromoethane (EDB)	ug/L (ppb)	50	89	90	82-125	1
Chlorobenzene	ug/L (ppb)	50	91	92	83-114	1
Ethylbenzene	ug/L (ppb)	50	92	92	77-124	0
1,1,1,2-Tetrachloroethane	ug/L (ppb)	50	94	94	84-127	0
m,p-Xylene	ug/L (ppb)	100	90	91	83-125	1
o-Xylene	ug/L (ppb)	50	89	90	81-121	1
Styrene	ug/L (ppb)	50	91	92	84-119	1
Isopropylbenzene	ug/L (ppb)	50	91	91	85-117	0
Bromoform	ug/L (ppb)	50	97	98	74-136	1
n-Propylbenzene	ug/L (ppb)	50	90	90	74-126	0
Bromobenzene	ug/L (ppb)	50	91	92	80-121	1
1,3,5-Trimethylbenzene	ug/L (ppb)	50	91	91	78-123	0
1,1,2,2-Tetrachloroethane	ug/L (ppb)	50	95	95	66-126	0
1,2,3-Trichloropropane	ug/L (ppb)	50	91	92	67-124	1
2-Chlorotoluene	ug/L (ppb)	50	91	91	77-127	0
4-Chlorotoluene	ug/L (ppb)	50	91	92	78-128	1
tert-Butylbenzene	ug/L (ppb)	50	92	91	80-123	1
1,2,4-Trimethylbenzene	ug/L (ppb)	50	90	90	79-122	0
sec-Butylbenzene	ug/L (ppb)	50	91	90	80-125	1
p-Isopropyltoluene	ug/L (ppb)	50	90	90	81-123	0
1,3-Dichlorobenzene	ug/L (ppb)	50	89	90	85-116	1
1,4-Dichlorobenzene	ug/L (ppb)	50	88	89	84-121	1
1,2-Dichlorobenzene	ug/L (ppb)	50	91	91	85-116	0
1,2-Dibromo-3-chloropropane	ug/L (ppb)	50	96	95	57-141	1
1,2,4-Trichlorobenzene	ug/L (ppb)	50	90	90	72-130	0
Hexachlorobutadiene	ug/L (ppb)	50	96	94	53-141	2
Naphthalene	ug/L (ppb)	50	91	90	64-133	1
1,2,3-Trichlorobenzene	ug/L (ppb)	50	90	90	65-136	0

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 15th Ave NW PO WES 1471A, F&BI 607431

**QUALITY ASSURANCE RESULTS
FOR THE ANALYSIS OF PRODUCT SAMPLES FOR
POLYCHLORINATED BIPHENYLS AS
AROCOR 1016/1260 BY EPA METHOD 8082A**

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Percent Recovery LCSD	Acceptance Criteria	RPD (Limit 20)
Aroclor 1016	mg/kg (ppm)	100	99	87	60-151	13
Aroclor 1260	mg/kg (ppm)	100	98	93	53-144	5

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

1281

10

10

TURNAROUND TIME

☐ Standard Turnaround
☒ RUSH 28 Hrs
Rush charges authorized by: _____

☐ Standard Turnaround
☒ RUSH 28 Hrs
Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Archive Samples

☐ Other _____

[illegible]

TABLE

[Signature]

726/15/12

[illegible]

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Abandoned Structure Stairwell and Elevator Pit Samples

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

December 19, 2016

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on December 13, 2016 from the 15th Ave NW Elevator Pit WES 1471A, F&BI 612197 project. There are 4 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.



Michael Erdahl
Project Manager

Enclosures
WES1219R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 13, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW Elevator Pit WES 1471A, F&BI 612197 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Whitman Environmental Sciences</u>
612197 -01	N Base 10.5'
612197 -02	S Base 10'
612197 -03	E Base 10'
612197 -04	W Base 10.5'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/19/16

Date Received: 12/13/16

Project: 15th Ave NW Elevator Pit WES 1471A, F&BI 612197

Date Extracted: 12/13/16

Date Analyzed: 12/13/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Diesel Range</u> (C ₁₀ -C ₂₅)	<u>Motor Oil Range</u> (C ₂₅ -C ₃₆)	<u>Surrogate</u> <u>(% Recovery)</u> (Limit 53-144)
N Base 10.5' 612197-01	<50	<250	80
S Base 10' 612197-02	<50	<250	71
E Base 10' 612197-03	<50	<250	82
W Base 10.5' 612197-04	<50	<250	82
Method Blank 06-2574 MB	<50	<250	91

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/19/16

Date Received: 12/13/16

Project: 15th Ave NW Elevator Pit WES 1471A, F&BI 612197

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

Laboratory Code: 612197-01 (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	<50	101	102	64-133	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	107	58-147

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.

612197

SAMPLE CHAIN OF CUSTODY

ME 12/13/16

C01

SAMPLERS (signature)

Page # of

Report To

Company

Address

City, State, ZIP

Phone

Email

PROJECT NAME

PO

REMARKS

INVOICE TO

TURNAROUND TIME

☐ Standard Turnaround
☒ RUSH as soon as any

Rush charges authorized by:

SAMPLE DISPOSAL

☐ Dispose after 30 days
☐ Archive Samples
☐ Other

ANALYSES REQUESTED

Sample ID

Lab ID

Date Sampled

Time Sampled

Sample Type

of Jars

TPH-HCID

TPH-Diesel

TPH-Gasoline

BTEX by 8021B

VOCs by 8260C

SVOCs by 8270D

PAHs 8270D SIM

Notes

Samples received at 15 %

SIGNATURE

PRINT NAME

COMPANY

DATE

TIME

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Relinquished by:		PRINT NAME		COMPANY		DATE	TIME
Received by:							
Relinquished by:		Phan Phan				12/13	3:25
Received by:							

UST Excavation Samples

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

December 13, 2016

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on December 12, 2016 from the 15th Ave NW WES 1471A, F&BI 612167 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.



Michael Erdahl
Project Manager

Enclosures
WES1213R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 12, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW WES 1471A, F&BI 612167 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
612167 -01

Whitman Environmental Sciences
S. Tank Water

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S. Tank Water	Client:	Whitman Environmental Sciences
Date Received:	12/12/16	Project:	15th Ave NW WES 1471A, F&BI 612167
Date Extracted:	12/12/16	Lab ID:	612167-01
Date Analyzed:	12/12/16	Data File:	612167-01.094
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
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Lead	60.9
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	Not Applicable	Project:	15th Ave NW WES 1471A, F&BI 612167
Date Extracted:	12/12/16	Lab ID:	I6-812 mb
Date Analyzed:	12/12/16	Data File:	I6-812 mb.092
Matrix:	Water	Instrument:	ICPMS2
Units:	ug/L (ppb)	Operator:	SP

Analyte:	Concentration ug/L (ppb)
----------	-----------------------------

Lead	<1
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/13/16

Date Received: 12/12/16

Project: 15th Ave NW WES 1471A, F&BI 612167

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

Laboratory Code: 612135-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Percent Recovery MSD	Acceptance Criteria	RPD (Limit 20)
Lead	ug/L (ppb)	10	5.48	85	84	70-130	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	ug/L (ppb)	10	97	85-115

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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Page # _____ of _____

TURNAROUND TIME

☒ Standard Turnaround

☒ RUSH _____

Rush charges authorized by: _____

SAMPLE DISPOSAL



☐ Dispose after 30 days

☐ Archive Samples

☐ Other _____

[illegible]

Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 	Michael Engel	ELKS FEB	11/16/	11:35
Received by: 	Michael Engel	FEB	1	1
Relinquished by:				
Received by:				

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

December 20, 2016

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on December 14, 2016 from the 15th Ave NW WES 1471A, F&BI 612211 project. There are 4 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.



Michael Erdahl
Project Manager

Enclosures
WES1220R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 14, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW WES 1471A, F&BI 612211 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
612211 -01

Whitman Environmental Sciences
EXC Spoils

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/16

Date Received: 12/14/16

Project: 15th Ave NW WES 1471A, F&BI 612211

Date Extracted: 12/14/16

Date Analyzed: 12/14/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
EXC Spoils 612211-01	<0.02	<0.02	0.17	0.22	78	100
Method Blank 06-2556 MB2	<0.02	<0.02	<0.02	<0.06	<2	97

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/16

Date Received: 12/14/16

Project: 15th Ave NW WES 1471A, F&BI 612211

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 612198-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	90	69-120
Toluene	mg/kg (ppm)	0.5	91	70-117
Ethylbenzene	mg/kg (ppm)	0.5	91	65-123
Xylenes	mg/kg (ppm)	1.5	95	66-120
Gasoline	mg/kg (ppm)	20	105	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

CS

Child: 105-242-2813

INVOICE TOPage # _____ of _____
TURNAROUND TIME _____

☐ Standard Turnaround
☒ RUSH same day
 Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days

☐ Archive Samples

□ Oth

ANALYSES REQUESTED

[illegible]

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE

PRINT NAME

COMPANY

DATE _____

TIME

Relinquished by:

Received by:

Relinquished by:

Received by:

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

January 12, 2017

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the additional results from the testing of material submitted on December 14, 2016 from the 15th Ave NW WES 1471A, F&BI 612211 project. There are 5 pages included in this report.

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.



Michael Erdahl
Project Manager

Enclosures
WES0112R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 14, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW WES 1471A, F&BI 612211 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
612211 -01

Whitman Environmental Sciences
EXC Spoils

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	EXC Spoils	Client:	Whitman Environmental Sciences
Date Received:	12/14/16	Project:	15th Ave NW WES 1471A
Date Extracted:	01/05/17	Lab ID:	612211-01
Date Analyzed:	01/06/17	Data File:	612211-01.026
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	3.25
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FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	Not Applicable	Project:	15th Ave NW WES 1471A
Date Extracted:	01/05/17	Lab ID:	I7-006 mb
Date Analyzed:	01/06/17	Data File:	I7-006 mb.023
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	<1
------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/12/17

Date Received: 12/14/16

Project: 15th Ave NW WES 1471A, F&BI 612211

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

Laboratory Code: 612211-01 (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	2.92	96	97	70-130	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	109	85-115

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.

5

ME 12/14/16

Phone _____ Email 206-523-3805

TURNAROUND TIME

☐ Standard Turnaround

☒ RUSH *100% Case*

Rush charges authorized by: _____

SAMPLE DISPOSAL





☐ Dispose after 30 days

☐ Archive Samples

☐ Other _____

Samples received at 16°C.

Ph. (206) 285-8282

Relinquished by:					12/14/10	12:15
Received by:					12/14/10	12:15
Relinquished by:					12/14/10	12:15
Received by:					12/14/10	12:15

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

December 20, 2016

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on December 15, 2016 from the 15th Ave NW Tank Area, WES 1471A, F&BI 612226 project. There are 4 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.



Michael Erdahl
Project Manager

Enclosures
WES1220R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW Tank Area, WES 1471A, F&BI 612226 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Whitman Environmental Sciences</u>
612226 -01	WBB-9'
612226 -02	Center Base-13'
612226 -03	T3EB-12'
612226 -04	NSW-10'
612226 -05	NW Corner

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/16

Date Received: 12/15/16

Project: 15th Ave NW Tank Area, WES 1471A, F&BI 612226

Date Extracted: 12/15/16

Date Analyzed: 12/15/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-150)
WBB-9' 612226-01	<0.02	<0.02	<0.02	<0.06	<2	86
Center Base-13' 612226-02	<0.02	<0.02	<0.02	<0.06	<2	85
T3EB-12' 612226-03	<0.02	<0.02	<0.02	<0.06	5.8	87
NSW-10' 612226-04	<0.02	<0.02	<0.02	<0.06	<2	86
NW Corner 612226-05	<0.02	<0.02	<0.02	<0.06	<2	85
Method Blank 06-2558 MB2	<0.02	<0.02	<0.02	<0.06	<2	89

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/16

Date Received: 12/15/16

Project: 15th Ave NW Tank Area, WES 1471A, F&BI 612226

**QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES, AND TPH AS GASOLINE
USING EPA METHOD 8021B AND NWTPH-Gx**

Laboratory Code: 612217-01 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	89	69-120
Toluene	mg/kg (ppm)	0.5	85	70-117
Ethylbenzene	mg/kg (ppm)	0.5	88	65-123
Xylenes	mg/kg (ppm)	1.5	89	66-120
Gasoline	mg/kg (ppm)	20	95	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.
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- 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.

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

January 12, 2017

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the additional results from the testing of material submitted on December 15, 2016 from the 15th Ave NW Tank Area, WES 1471A, F&BI 612226 project. There are 5 pages included in this report.

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.



Michael Erdahl
Project Manager

Enclosures
WES0112R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW Tank Area, WES 1471A, F&BI 612226 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Whitman Environmental Sciences</u>
612226 -01	WBB-9'
612226 -02	Center Base-13'
612226 -03	T3EB-12'
612226 -04	NSW-10'
612226 -05	NW Corner

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	T3EB-12'	Client:	Whitman Environmental Sciences
Date Received:	12/15/16	Project:	15th Ave NW Tank Area, WES 1471A
Date Extracted:	01/05/17	Lab ID:	612226-03
Date Analyzed:	01/06/17	Data File:	612226-03.034
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
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Lead	2.10
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	Not Applicable	Project:	15th Ave NW Tank Area, WES 1471A
Date Extracted:	01/05/17	Lab ID:	I7-006 mb
Date Analyzed:	01/06/17	Data File:	I7-006 mb.023
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	<1
------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/12/17

Date Received: 12/15/16

Project: 15th Ave NW Tank Area, WES 1471A, F&BI 612226

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

Laboratory Code: 612211-01 (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	2.92	96	97	70-130	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	109	85-115

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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

452

Page # _____ of _____
TTRNABOIND TIME _____

☐ Standard Turnaround
☒ RUSH *202/1*
Rush charges authorize

☐ Standard Turnaround
☒ RUSH *pay file*

SAMPLE DISPOSAL



Archives

SAMPLERS (signature)	
PROJECT NAME	PO #
15TH MEAL	2005
THANK MEAL	14714
REMARKS	INVOICE TO

Page # of	
TURNAROUND TIME	
<input type="checkbox"/> Standard Turnaround	
<input checked="" type="checkbox"/> RUSH	
Rush charges authorized by:	
SAMPLE DISPOSAL	
<input type="checkbox"/> Dispose after 30 days	
<input type="checkbox"/> Archive Samples	
<input type="checkbox"/> Other	

ANALYSES REQUESTED														
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM	Lead	Notes
E25B-9'	01ADP	12/15	AM	soil	4			X	X					
EOZES BSE-18'	02							X	X					
ZSEB-18'	03							X	X					◆ - per DV
N500-10'	04							X	X					1/4/17
NIB CORNER-	05							X	X					MK

Ph (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: 			12/15	7:52
Received by: 	Alam Khan	FIAT	12/15/06	9:32
Relinquished by:			12/15/06	
Received by:			12/15/06	

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

December 20, 2016

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on December 15, 2016 from the 15th Ave NW Tank Area WES 1471A, F&BI 612232 project. There are 4 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.



Michael Erdahl
Project Manager

Enclosures
WES1220R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW Tank Area WES 1471A, F&BI 612232 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Whitman Environmental Sciences</u>
612232 -01	S.W. Sidewall-10'
612232 -02	S.E. Sidewall-11'
612232 -03	N.E. Sidewall-10'
612232 -04	S.W. Corner-10'
612232 -05	S.W. Bench Sidewall-10'
612232 -06	T3-E. Sidewall-9'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/16

Date Received: 12/15/16

Project: 15th Ave NW Tank Area WES 1471A, F&BI 612232

Date Extracted: 12/15/16

Date Analyzed: 12/15/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-132)
S.W. Sidewall-10' 612232-01	<0.02	<0.02	<0.02	<0.06	<2	91
S.E. Sidewall-11' 612232-02	<0.02	<0.02	<0.02	<0.06	32	88
N.E. Sidewall-10' 612232-03	<0.02	<0.02	<0.02	<0.06	<2	88
S.W. Corner-10' 612232-04	<0.02	<0.02	<0.02	<0.06	<2	92
S.W. Bench Sidewall-10' 612232-05	<0.02	<0.02	<0.02	<0.06	<2	91
T3-E. Sidewall-9' 612232-06	<0.02	<0.02	<0.02	<0.06	<2	88
Method Blank 06-2561 MB	<0.02	<0.02	<0.02	<0.06	<2	87

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/16

Date Received: 12/15/16

Project: 15th Ave NW Tank Area WES 1471A, F&BI 612232

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 612225-17 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	<0.06	<0.06	nm
Gasoline	mg/kg (ppm)	<2	<2	nm

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	89	69-120
Toluene	mg/kg (ppm)	0.5	87	70-117
Ethylbenzene	mg/kg (ppm)	0.5	88	65-123
Xylenes	mg/kg (ppm)	1.5	90	66-120
Gasoline	mg/kg (ppm)	20	85	71-131

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

CS/1432

Page # 1 of 1

W. H. H. H.

Company Ed. S. Myers

Address 574 Ave DE

City, State, ZIP Seattle WA 98115

Phone _____ Email Y. Tev Vico @ YNA

SAMPLERS (signature)	
PROJECT NAME	PO #
REMARKS	INVOICE TO
15th Ave NW Truck Area	6085 1971A
2/26/77	

TURNAROUND TIME

☐ Standard Turnaround
☒ RUSH *1 week*

Rush charges authorized by: _____

SAMPLE DISPOSAL

☐ Dispose after 30 days
☐ Archive Samples
☐ Other _____



						ANALYSES REQUESTED							
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM	Notes
S.W. STAPLE-10' 01A-B		12/15		soil	4			X	X				
S.E. STAPLE-11' - 02													
N.E. STAPLE-10' 03													
S.W. CLAY - 10' 04													
S.W. BENT STAPLE 10' 05													
T.S. E. STAPLE-9' 06													

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
				
Relinquished by:				
Received by: 	Phan Phan	CECS	11/15/16	1:00 pm
Relinquished by:		FBI	12/15/16	1 pm
Received by:				

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

January 12, 2017

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the additional results from the testing of material submitted on December 15, 2016 from the 15th Ave NW Tank Area WES 1471A, F&BI 612232 project. There are 5 pages included in this report.

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.



Michael Erdahl
Project Manager

Enclosures
WES0112R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 15, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW Tank Area WES 1471A, F&BI 612232 project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Whitman Environmental Sciences</u>
612232 -01	S.W. Sidewall-10'
612232 -02	S.E. Sidewall-11'
612232 -03	N.E. Sidewall-10'
612232 -04	S.W. Corner-10'
612232 -05	S.W. Bench Sidewall-10'
612232 -06	T3-E. Sidewall-9'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	S.E. Sidewall-11'	Client:	Whitman Environmental Sciences
Date Received:	12/15/16	Project:	15th Ave NW Tank Area WES 1471A
Date Extracted:	01/05/17	Lab ID:	612232-02
Date Analyzed:	01/06/17	Data File:	612232-02.032
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	1.95
------	------

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Analysis For Total Metals By EPA Method 200.8

Client ID:	Method Blank	Client:	Whitman Environmental Sciences
Date Received:	Not Applicable	Project:	15th Ave NW Tank Area WES 1471A
Date Extracted:	01/05/17	Lab ID:	I7-006 mb
Date Analyzed:	01/06/17	Data File:	I7-006 mb.023
Matrix:	Soil	Instrument:	ICPMS2
Units:	mg/kg (ppm) Dry Weight	Operator:	SP

Analyte:	Concentration mg/kg (ppm)
----------	------------------------------

Lead	<1
------	----

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/12/17

Date Received: 12/15/16

Project: 15th Ave NW Tank Area WES 1471A, F&BI 612232

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

Laboratory Code: 612211-01 (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	2.92	96	97	70-130	1

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Lead	mg/kg (ppm)	50	109	85-115

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

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

January 4, 2017

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on December 23, 2016 from the 15th Ave NW PO WES 1471A, F&BI 612375 project. There are 4 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.



Michael Erdahl
Project Manager

Enclosures
WES0104R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on December 23, 2016 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW PO WES 1471A, F&BI 612375 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID
612375 -01

Whitman Environmental Sciences
Excavation Spoils No. 2

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/04/17

Date Received: 12/23/16

Project: 15th Ave NW PO WES 1471A, F&BI 612375

Date Extracted: 12/28/16

Date Analyzed: 12/28/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR BENZENE, TOLUENE, ETHYLBENZENE,
XYLENES AND TPH AS GASOLINE
USING METHODS 8021B AND NWTPH-Gx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u> Laboratory ID	<u>Benzene</u>	<u>Toluene</u>	<u>Ethyl Benzene</u>	<u>Total Xylenes</u>	<u>Gasoline Range</u>	<u>Surrogate (% Recovery)</u> (Limit 50-132)
Excavation Spoils No. 2 612375-01 1/20	<0.4	<0.4	0.95	2.5	520	79
Method Blank 06-2615 MB2	<0.02	<0.02	<0.02	<0.06	<2	85

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/04/17

Date Received: 12/23/16

Project: 15th Ave NW PO WES 1471A, F&BI 612375

QUALITY ASSURANCE RESULTS FOR THE ANALYSIS OF SOIL SAMPLES FOR BENZENE, TOLUENE, ETHYLBENZENE, XYLENES, AND TPH AS GASOLINE USING EPA METHOD 8021B AND NWTPH-Gx

Laboratory Code: 612366-04 (Duplicate)

Analyte	Reporting Units	Sample Result (Wet Wt)	Duplicate Result (Wet Wt)	RPD (Limit 20)
Benzene	mg/kg (ppm)	<0.02	<0.02	nm
Toluene	mg/kg (ppm)	<0.02	<0.02	nm
Ethylbenzene	mg/kg (ppm)	<0.02	<0.02	nm
Xylenes	mg/kg (ppm)	0.064	0.068	6
Gasoline	mg/kg (ppm)	12	14	15

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Benzene	mg/kg (ppm)	0.5	91	66-121
Toluene	mg/kg (ppm)	0.5	96	72-128
Ethylbenzene	mg/kg (ppm)	0.5	99	69-132
Xylenes	mg/kg (ppm)	1.5	98	69-131
Gasoline	mg/kg (ppm)	20	85	61-153

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

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.

Muffler Shop Hydraulic Lift Area Samples

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

January 5, 2017

Dan Whitman, Project Manager
Whitman Environmental Sciences
6812 16th Ave NE
Seattle, WA 98115

Dear Mr. Whitman:

Included are the results from the testing of material submitted on January 3, 2017 from the 15th Ave NW PO WES-1471A, F&BI 701002 project. There are 4 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.



Michael Erdahl
Project Manager

Enclosures
WES0105R.DOC

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on January 3, 2017 by Friedman & Bruya, Inc. from the Whitman Environmental Sciences 15th Ave NW PO WES-1471A project. Samples were logged in under the laboratory ID's listed below.

<u>Laboratory ID</u>	<u>Whitman Environmental Sciences</u>
701002 -01	MS-W. Sidewall-8'
701002 -02	MS-S.W. Base-9'
701002 -03	MS-E. Sidewall-8'
701002 -04	MS-S.E. Base-9'
701002 -05	MS-N.E. Sidewall-8'
701002 -06	MS-N.W. Base-9'

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/17

Date Received: 01/03/17

Project: 15th Ave NW PO WES-1471A, F&BI 701002

Date Extracted: 01/03/17

Date Analyzed: 01/03/17

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES
FOR TOTAL PETROLEUM HYDROCARBONS AS
DIESEL AND MOTOR OIL
USING METHOD NWTPH-Dx**

Results Reported on a Dry Weight Basis

Results Reported as mg/kg (ppm)

<u>Sample ID</u>	<u>Diesel Range</u>	<u>Motor Oil Range</u>	<u>Surrogate</u>
Laboratory ID	(C ₁₀ -C ₂₅)	(C ₂₅ -C ₃₆)	(% Recovery)
			(Limit 56-165)
MS-W. Sidewall-8' 701002-01	<50	<250	120
MS-S.W. Base-9' 701002-02	<50	<250	109
MS-E. Sidewall-8' 701002-03	<50	<250	120
MS-S.E. Base-9' 701002-04	<50	<250	115
MS-N.E. Sidewall-8' 701002-05	540 x	1,800	105
MS-N.W. Base-9' 701002-06	<50	<250	119
Method Blank 07-024 MB	<50	<250	114

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 01/05/17

Date Received: 01/03/17

Project: 15th Ave NW PO WES-1471A, F&BI 701002

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

Laboratory Code: 612431-03 (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	93	86	63-146	8

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Diesel Extended	mg/kg (ppm)	5,000	101	79-144

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.

EO 2

Page # 1 of 1

TURNAROUND TIME

Standard Turnaround

Rush charges authorized by:

SAMPLE DISPOSAL,
Disposal after 30 days

☐ Archive Samples

SAMPLERS (signature)		Page # <u>1</u> of <u>1</u>
PROJECT NAME	PO #	TURNAROUND TIME <input checked="" type="checkbox"/> Standard Turnaround <input type="checkbox"/> RUSH Rush charges authorized by: _____
REMARKS	INVOICE TO	
15th Ave NW	0055-1471A	
MW 5/10/09		
SAMPLE DISPOSAL		
<input type="checkbox"/> Dispose after 30 days		
<input type="checkbox"/> Archive Samples		
<input type="checkbox"/> Other		





ANALYSES REQUESTED													
Sample ID	Lab ID	Date Sampled	Time Sampled	Sample Type	# of Jars	TPH-HCID	TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260C	SVOCs by 8270D	PAHs 8270D SIM	Notes
MS-K2. SIDEWALK-8'	01	1-3-17	AM	Soil	1	X	X						TPH 1000 mg/l VOCs 1000 mg/l SVOCs 1000 mg/l PAHs 1000 mg/l
MS-56. BASE-9'	02					X	X						
MS-E. SIDEWALK-8'	03					X	X						
MS-5E. BASE-9'	04					X	X						
MS-N.E. SIDEWALK-8'	05					X	X						
MS-N.W. BASE-9'	06					X	X						

Friedman & Bruya, Inc.

3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Reinquished by: 			1/3/17	11:35
Received by: 	S. O'Brien	FDL, Inc	1/3/17	11:35
Reinquished by:				
Received by:				

APPENDIX D

***Documentation of
Tank Cleaning and Removal,
Disposal of Accumulated Water and Wastes,
Disposal of Petroleum Contaminated Soil***

***Marine Vacuum Services, Inc.,
Sound Testing, Inc.,
City of Seattle Fire Department,
Cemex, Inc.***

***Documentation of
Tank Cleaning and Removal***

Marine Vacuum Service, Inc.

GENERAL CONTRACTOR

CONTRACTORS LICENSE # MARINVS097JA

P.O. Box 24263 Seattle, Washington 98124

Telephone (206) 762-0240

FAX (206) 763-8084

1-800-540-7491

AST/UST STORAGE TANK PUMP & RINSE CERTIFICATE

Tank Size: 300 Gals - 500 Gals - 750 Gals

Last Contents Waste Water

Tank Location: 7510 15th Ave NW
Seattle WA

Marine Vacuum Service, Inc. certifies that the above mentioned tank(s) have been triple rinsed in accordance with the industry standard as outlined in 40 CFR PART 280.70, WAC 173-360-380(I), API 1604, API 2015 and that all residual product and rinsate has been disposed of in accordance with Federal, State and Local regulations. Tanks listed above are **NOT GAS FREE** or **NOT SAFE FOR HOT WORK**

Tank Owner: _____

Contractor: RED HAWK GROUP

M.V.S. Representative: Rock Woolsey

Date: 12-13-16

Notes:

***Documentation of
Disposal of Accumulated Water and Wastes***

Disposal of Petroleum Contaminated Soil Documentation

DATE: 1/25/11
Name: _____

1501a #266

[illegible][illegible]

macJac

[illegible]

1078



9414 Stone Ave N Seattle, WA 98103
206-525-0075

PO# 716Truck # 5

Truck Rate: _____

Truck Hours: _____

Customer Isola Homes #266 Date 12/14/2016Site Address 7500 15th Ave NW City SeattleJob Name #266 Phone # _____In 6:30 Lunch No Out 4:30

Source	Material	Yd/Tn	Delivery Site	Loads	Hours
716	Dirt	1541	Reserve silica	1	
716	Contaminated Dirt	19.9 Tn	Cemex	1	
716	Dirt		onsite	111	

Driver's Signature: 

Received By: _____

1290



9414 Stone Ave N Seattle, WA 98103
206-525-0075

PO# 5716Truck # 4

Truck Rate: _____

Truck Hours: _____

Customer 1504 Date 12.13.16Site Address 15T City _____Job Name 5716 Phone # _____

In _____ Lunch _____ Out _____

Source	Material	Yd/Tn	Delivery Site	Loads	Hours
15T	DIRT CUTS 3	12	CEMEX	2	

Driver's Signature: _____

Recieved By: _____



Mac Jac Trucking LLC

P.O. Box 2184
Snohomish, WA 98291
Kristin 425-238-6360
Jack 425-508-7539

Date: 12/13/16

No. 2635

Truck No. 12
Truck Type: Solo
Truck Rate: 1.5
Truck Hours: 1.5
Driver Hours:

Truck Charges:
Driver Charge:
Sub Total:
Additional Charges:
Total Charges:

Customer: Ryatt
Job Location: 7500 15th Ave NW Seattle

Billing Address:

Job Number: 716

Start: 2:00 Stop: 3:30 Lunch: Downtime: Reason:

Material	From	To	No. Loads	Hours
Class 3	Seattle	Cemex Contaminated	1	

Fuel: Oil: Total Miles: Total Miles Off-Highway:

Remarks

Drivers Signature:

Author. Co. Rep. Signature:

PLEASE NOTE: ADDITIONAL TERMS AND CONDITIONS:
THE TERMS AND CONDITIONS STATED ON THE REVERSE OF THIS INVOICE ARE A PART OF CARRIER'S AGREEMENT TO PROVIDE SERVICE. YOUR SIGNATURE ON THE FACE OF THIS INVOICE SIGNIFIES YOUR KNOWLEDGE, AND ACCEPTANCE, OF THE TERMS ON THE REVERSE.

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SIGNATURE FORMS & PROMOTIONS • 425/488-9960



Mac Jac Trucking LLC

P.O. Box 2184
Snohomish, WA 98291
Kristin 425-238-6360
Jack 425-508-7539

Date: 14 DEC 16

No. 2032

Truck No. 1
Truck Type: Solo
Truck Rate: 8.25
Truck Hours: 8.25
Driver Hours:

Truck Charges:
Driver Charge:
Sub Total:
Additional Charges:
Total Charges:

Customer: Ryatt
Job Location: 7500 15th AVE W SEATTLE

Billing Address:

Job Number: 716

Start: 7A Stop: 3:15 Lunch: Downtime: Reason:

Material	From	To	No. Loads	Hours
SOIL	#716	Monsie Rock	1	
		Cemex Contaminated	2	
		On Site	4	

Fuel: Oil: Total Miles: Total Miles Off-Highway:

Remarks

Drivers Signature:

Author. Co. Rep. Signature:

PLEASE NOTE: ADDITIONAL TERMS AND CONDITIONS:



Mac Jac Trucking LLC

P.O. Box 2184
Snohomish, WA 98291
Kristin 425-238-6360
Jack 425-508-7539

Date:	12/15/16	No.	2638
Truck No.:	12	Truck Charges:	
Truck Type:	<input checked="" type="radio"/> Solo <input type="radio"/> Trailer <input type="radio"/> Transfer <input type="radio"/> Other	Driver Charge:	
Truck Rate:		Sub Total:	
Truck Hours:	5.25	-Additional Charges:	
Driver Hours:		Total Charges:	

Customer:	Ryatt	Billing Address:	
Job Location:	7500 15th Ave NW Seattle	Job Number:	716
Start:	7:15	Stop:	3:30
Lunch:		Downtime:	1000-1:00
Reason:	Broke Down		

Material	From	To	No. Loads	Hours
Class 3	Seattle	Cemex	2	
2-4 Recycle	Freuhling	Seattle	1	

Fuel:	Oil:	Total Miles:	Total Miles Off-Highway:
-------	------	--------------	--------------------------

Remarks:

Drivers Signature: *[Signature]* Author. Co. Rep. Signature: *[Signature]*

PLEASE NOTE: ADDITIONAL TERMS AND CONDITIONS:
THE TERMS AND CONDITIONS STATED ON THE REVERSE OF THIS INVOICE ARE A PART OF CARRIER'S AGREEMENT TO PROVIDE SERVICE. YOUR SIGNATURE ON THE FACE OF THIS INVOICE SIGNIFIES YOUR KNOWLEDGE, AND ACCEPTANCE, OF THE TERMS ON THE REVERSE.

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Mac Jac Trucking LLC

P.O. Box 2184
Snohomish, WA 98291
Kristin 425-238-6360
Jack 425-508-7539

Date:	12-15-16	No.	2585
Truck No.:	4	Truck Charges:	
Truck Type:	<input checked="" type="radio"/> Solo <input type="radio"/> Trailer <input type="radio"/> Transfer <input type="radio"/> Other	Driver Charge:	
Truck Rate:		Sub Total:	
Truck Hours:	7.5	-Additional Charges:	
Driver Hours:		Total Charges:	

Customer:	Ryatt	Billing Address:	
Job Location:	7500 15th Ave NW Seattle	Job Number:	716
Start:	7:45	Stop:	3:15
Lunch:		Downtime:	
Reason:			

Material	From	To	No. Loads	Hours
Class 3	Seattle	Green Everett	2	
2x4 Rec	Freuhling	Seattle	1	
2x4	Kangly	Seattle	1	

Fuel:	Oil:	Total Miles:	Total Miles Off-Highway:
-------	------	--------------	--------------------------

Remarks:

Drivers Signature: *[Signature]* Author. Co. Rep. Signature: *[Signature]*

PLEASE NOTE: ADDITIONAL TERMS AND CONDITIONS



Mac Jac Trucking LLC

P.O. Box 2184
Snohomish, WA 98291
Kristin 425-238-6360
Jack 425-508-7539

Date: 1/3/17	No. 2648
Truck No.: 12	Truck Charges:
Truck Type: Solo	Driver Charge:
Truck Rate:	Sub Total:
Truck Hours: 90	Additional Charges:
Driver Hours: 9	Total Charges:

Customer: RYATT Construction	Billing Address:	Job Number: 716
Job Location: 7500 15th Ave NW Seattle		

Start	Stop	Lunch	Downtime	Reason	No. Loads	Hours
7:00	4:00					
Material	From	To				
2-4 cu yds	JEV	Seattle			2	
Class 3	Seattle	Cemex			1	
Dirt	Seattle	Home Rock			2	
2-4 cu yds	Brumby - Renton	Seattle			1	

Fuel:	Oil:	Total Miles:	Total Miles Off-Highway:
Remarks:			
Drivers Signature:		Author. Co. Rep. Signature:	

PLEASE NOTE: ADDITIONAL TERMS AND CONDITIONS:
 THE TERMS AND CONDITIONS STATED ON THE REVERSE OF THIS INVOICE ARE A PART OF CARRIER'S AGREEMENT TO PROVIDE SERVICE. YOUR SIGNATURE ON THE FACE OF THIS INVOICE SIGNIFIES YOUR KNOWLEDGE, AND ACCEPTANCE, OF THE TERMS ON THE REVERSE.

1240



Mac Jac Trucking LLC

P.O. Box 2184
Snohomish, WA 98291
Kristin 425-238-6360
Jack 425-508-7539

Date: 12-15-16	No. 2689
Truck No.: 69	Truck Charges:
Truck Type: Solo	Driver Charge:
Truck Rate:	Sub Total:
Truck Hours: 9	Additional Charges:
Driver Hours:	Total Charges:

Customer: RYATT	Billing Address:	Job Number: 716
Job Location: 7500 15th Ave NW		

Start	Stop	Lunch	Downtime	Reason	No. Loads	Hours
7:15	4:15					
Material	From	To				
XPORT DIRT	JOB	CEMEX DT CLASS 3				
		LOADS 11 Contam				
2x4 RECY. CONCRETE	FRUHLING 220th	JOB				
		LOADS 11				
2x4 RECY CONCRETE	KAWGLEY ROCK	JOB				
		LOADS 1				

Fuel:	Oil:	Total Miles:	Total Miles Off-Highway:
Remarks:			
Drivers Signature: KEN ENGBLOS		Author. Co. Rep. Signature:	

PLEASE NOTE: ADDITIONAL TERMS AND CONDITIONS.

Vision Trucking

11823 51st Ave SE
Everett, WA 98208
(425) 308-7274

Date: 12-13-16	No. 3780
Truck No.: 3	Truck Charges:
Truck Type: 3010	Driver Charge:
Truck Rate: 110 1/2	Sub Total: \$ 165
Truck Hours:	*Add Charges:
Driver Hours:	Total Charges:
Billing Address:	

Customer: RYATT

Job Location:

Job Number: 716

Start: 130	Stop: 3:00	Lunch:	Downtime:	Reason:				
MATERIAL	FROM	TO	NO. LOADS	HOURS				
DIRT	7500 45th Ave NW	Cemex	1	1.5				
	Contaminated							

Fuel:	Oil:	Total Miles:	Total Miles Off-Hiway:
* Remarks:		Auth. Co. Rep. Signature: [Signature]	
Drivers Signature: [Signature]			

Signature of this truck invoice will be considered your notice of our intent to lien this project, if necessary. Interest at 1% per month will be charge on all past due accounts.



HARD ROCK TRUCKING



19228 Locust Way
Lynnwood, WA 98036

Office: (206) 406-7288
Fax: (425) 640-9502

Date: 12-13-16	No. 1812
Truck No.: 4121	Truck Charges:
Truck Type: 4 axle	Driver Charges:
Truck Rate: 110-	Sub Total:
Truck Hours:	*Add. Charges:
Driver Hours: 35	Total Charges: 385-
Billing Address:	

Customer: Ryatt Construction

Job Location: 7530 15th Ave Job # 716

Start: 10:15	Stop: 1:30	Lunch: 10:15 ->	Downtime: 13:45	Job Number: 716				
MATERIAL	FROM	TO	NO. LOADS	HOURS				
Contaminated	7500 45th Ave Job # 716	Cemex Everett	11					

Fuel:	Oil:	Total Miles:	Total Miles Off-Hiway:
*Remarks:		Drivers Signature: [Signature]	

BUD

WINTER

TRUCKING

PO Box 3552
Mount Vernon, WA 98273
425-754-1310

Date: 1-3-2017	Day: WED Tue
Customer: RYATT CONST	
Job Location/ #: 716- 7500 15th AVE NW	
Driver Name and Company: Bud	
Solo Hours: 9.0	Truck #:
T&T Hours: 0	Total Driving:
Time In: 645	Time Out: 345

THIS FORM MUST BE PROPERLY COMPLETED AND
SIGNED TO RECEIVE PAYMENT.

Material Source	Delivered To	Mat. Type	Solo/T&T	Tons/Yds	Loaded	Unloaded	Ticket #	Load #
MERLINO	7500 15th NW	2x4 Rec	S	15.50	700	830	724980	STANDBY TESTER 1
7500 15th AVE	CEMEX EVT.	CONTAM		17.83	835	956	1876090	407 2
7500 15th AVE	CEMEX EVT	CONTAM		18.28	1035	1135	90412	3
Frueling	7500 15th	2x4 Recy		12.7	1205	1245	221171	4
MERLINO	7500 15th	2x4 Recy		15.14	130	205	725150	5
MERLINO	7500 15th AV	2x4 Recy		14.68	255	345	725170	6
								7
								8
								9
								10
								11
								12
								13
								14
								15
								16
								17
								18
								19
								20
								21
								22
								23
								24
								25
								26
								27
								28
								29
								30
								31
								32
								33

206-909-1995

Driver Signature:

Authorized Co. Rep. Signature:

DATE 1/13/2017

DRIVER USE:

COMPANY _____

DRIVER: 2443 TRAILER #

TRUCK #

TRAVEL:

BEGIN: _____ END: _____

DRIVER TOTAL HOURS _____

TOTAL TRAVEL: _____ ENDING MILEAGE: _____

LUNCH/DOWN: _____ BEGIN MILEAGE: 485,240

FUEL: _____ TOTAL MILES: _____

OUT OF STATE MILEAGE:

IN: _____ OUT: _____

TRIPS: _____ TOTAL MILES: _____

CONTRACTOR:

ADDRESS: _____

P.O./JOB # 1716

JOB SITE: 7500 15th Ave. NW

☐ MATERIALS/DUMP FEES _____START TIME: 7:20 LUNCH TIME: _____

STOP TIME: 3.30 DOWN TIME: _____

TOTAL HOURS: 8 1/2

REASON FOR DELAY:

MATERIAL	HAULED FROM	ARRIVE TIME	LEAVE TIME	HAULED TO	ARRIVE TIME	LEAVE TIME	YARD/TON HR.	TICKET #	PRICE	AMOUNT
2x4	15 TH NW	7:00	7:15	2500 D. H. Hill	8:08	9:05	16.38	724981		
Dirt	15 TH NW	8:08	9:05	Cemex	9:06	10:01	12.76	1876070408		
Dirt		10:39	10:55	" "	11:37	11:49	14.53	1876050913		
2x4	Fleming Rd Hill	12:10	12:32	15 TH Ave NW	1:10	1:16	14.85	501346		
2x4	Arlington	1:48	1:53	" "	2:50		17.00	725154		
DIRT	15 TH NW	2:30		Alameda Creek		3:30				
DRIVER'S SIGNATURE <i>[Signature]</i>								TOTAL LDS.	TOTAL	

DRIVER'S SIGNATURE

TOTAL LDS.

TOTAL

This account due and payable on the 15th day of the month following the date hereof.

The parties expressly agree by their signatures hereto that interest shall accrue at the rate of 18% per annum on all past due accounts.

If this account is placed in the hands of an attorney for collection the Contractor/Employer agrees to pay Sub-Contractor/Employees reasonable attorney fees and collection costs even though no suit or action is filed on the account; however, if suit or action is filed, the amount of such reasonable attorney fees shall be fixed by the court.

A lien may be claimed for labor, materials, rentals, and reasonable profit under Oregon Revised Statutes, Chapter 87.

Contractor/Employee representative acknowledges receipt of copy and signifies same to be correct by his signature.

ALL JOBS BILLED MIN. 4 HOURS

NOT RESPONSIBLE FOR DAMAGE BEHIND CURB LINE.

SIGNATURE

WHITE - Office

CANARY - Billing

PINK - Subcontractor

GOLDENROD - Contractor

16111



CEMEX
PO Box 2037
Everett, WA 98213-2037

CEMEX Construction Materials Pacific, LLC

INVOICE

PAGE 1 OF 1

Date: 01/03/2017
Invoice No: 9434763041
Terms: Net 20th prox
Payment Due On: 02/20/2017
Job No: 14365957
Legal Address: 7530 15TH AVE NW, SEATTLE
Customer Job No: 716
Account No: 3172044
Account Name: RYATT CONSTRUCTION LLC

716R
15014



INV2 ▲ 000500
RYATT CONSTRUCTION LLC
9414 STONE AVE N
SEATTLE WA 98103-3329

For All Inquiries Call:
800-355-2772

Remit To:
CEMEX | PO Box 100497 | Pasadena, CA 91189-0497

DETAILED INFORMATION BY PO

PO Number: 715				DELIVERY ADDRESS: 7530 15TH AVE NW, SEATTLE, EVERETT, WA, 98203							
Ship Date	Delivery	Ref #	Product Code / Description	Qty	UOM	Net Price By UOM		Units	Amount	Freight	Tx
01/03/2017	8073724303	1876090407	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	17.830	TON	\$0.00			\$0.00	\$0.00	
01/03/2017	8073724303	1876090407	1192508 CLASS 3 SOIL DUMPED BY TON	17.830	TON	\$44.59	1 TON	17.830	\$795.04	\$0.00	
01/03/2017	8073724305	1876090408	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	12.760	TON	\$0.00			\$0.00	\$0.00	
01/03/2017	8073724305	1876090408	1192508 CLASS 3 SOIL DUMPED BY TON	12.760	TON	\$44.59	1 TON	12.760	\$568.97	\$0.00	
01/03/2017	8073724307	1876090409	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	17.370	TON	\$0.00			\$0.00	\$0.00	
01/03/2017	8073724307	1876090409	1192508 CLASS 3 SOIL DUMPED BY TON	17.370	TON	\$44.59	1 TON	17.370	\$774.53	\$0.00	
01/03/2017	8073724314	1876090412	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	18.280	TON	\$0.00			\$0.00	\$0.00	
01/03/2017	8073724314	1876090412	1192508 CLASS 3 SOIL DUMPED BY TON	18.280	TON	\$44.59	1 TON	18.280	\$815.11	\$0.00	
01/03/2017	8073724316	1876090413	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	14.530	TON	\$0.00			\$0.00	\$0.00	
01/03/2017	8073724316	1876090413	1192508 CLASS 3 SOIL DUMPED BY TON	14.530	TON	\$44.59	1 TON	14.530	\$647.89	\$0.00	
PO Subtotal		0.00 Yards	80.77 Tons	\$3,601.54 Material	\$0.00 Freight	\$129.64 Other		\$0.00 Tax	\$3,731.18 Total		

POSTED

ENTERED
1/11

Billing Text: "Other" amount includes \$ 129.64 of Refuse Tax

0.00 Yards	80.77 Tons	\$0.00 Freight	\$129.64 Other	\$0.00 Tax	\$3,731.18 Invoice Total
------------	------------	----------------	----------------	------------	--------------------------

The invoice incorporates herein by reference Buyer's previously executed Credit Application, if any, Sellers Standard Terms and Conditions, Seller's Quotation and Seller's Order Confirmation (including limitations of warranties) as fully set forth on this Invoice ("Agreement"). Buyer agrees that, unless otherwise noted herein, all quantities and items were delivered as indicated and further expressly agrees to pay in accordance with this Agreement. Interest shall accrue on late payments.



CEMEX
PO Box 2037
Everett, WA 98213-2037

CEMEX Construction Materials Pacific, LLC

INVOICE

PAGE 1 OF 1

Date: 12/15/2016
Invoice No: 9434679798
Terms: Net 20th prox
Payment Due On: 01/20/2017
Job No: 14365957
Legal Address: 7530 15TH AVE NW, SEATTLE
Account No: 3172044
Account Name: RYATT CONSTRUCTION LLC



INV2 ▲ 000892
RYATT CONSTRUCTION LLC
9414 STONE AVE N
SEATTLE WA 98103-3329

For All Inquiries Call:
800-355-2772

Remit To:
CEMEX | PO Box 100497 | Pasadena, CA 91189-0497

DETAILED INFORMATION BY PO

PO Number: 715				DELIVERY ADDRESS: 7530 15TH AVE NW, SEATTLE, EVERETT, WA, 98203						
Ship Date	Delivery	Ref #	Product Code / Description	Qty	UOM	Net Price By UOM	Units	Amount	Freight	Tx
12/15/2016	8073573578	1876090332	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	16.820	TON	\$0.00		\$0.00	\$0.00	
12/15/2016	8073573578	1876090332	1192508 CLASS 3 SOIL DUMPED BY TON	16.820	TON	\$44.59	1 TON	\$750.00	\$0.00	
12/15/2016	8073573587	1876090333	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	15.290	TON	\$0.00		\$0.00	\$0.00	
12/15/2016	8073573587	1876090333	1192508 CLASS 3 SOIL DUMPED BY TON	15.290	TON	\$44.59	1 TON	\$681.78	\$0.00	
12/15/2016	8073573596	1876090335	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	15.920	TON	\$0.00		\$0.00	\$0.00	
12/15/2016	8073573596	1876090335	1192508 CLASS 3 SOIL DUMPED BY TON	15.920	TON	\$44.59	1 TON	\$709.87	\$0.00	
12/15/2016	8073573600	1876090336	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	15.420	TON	\$0.00		\$0.00	\$0.00	
12/15/2016	8073573600	1876090336	1192508 CLASS 3 SOIL DUMPED BY TON	15.420	TON	\$44.59	1 TON	\$687.58	\$0.00	
12/15/2016	8073573603	1876090338	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	6.920	TON	\$0.00		\$0.00	\$0.00	
12/15/2016	8073573603	1876090338	1192508 CLASS 3 SOIL DUMPED BY TON	6.920	TON	\$44.59	1 TON	\$308.56	\$0.00	
12/15/2016	8073573609	1876090339	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	18.160	TON	\$0.00		\$0.00	\$0.00	
12/15/2016	8073573609	1876090339	1192508 CLASS 3 SOIL DUMPED BY TON	18.160	TON	\$44.59	1 TON	\$809.75	\$0.00	
PO Subtotal	0.00 Yards		88.53 Tons			\$3,947.54 Material		\$0.00 Freight	\$142.11 Other	\$0.00 Tax
									\$4,089.65 Total	

ENTERED
1/4

POSTED

Billing Text: "Other" amount includes \$ 142.11 of Refuse Tax

0.00 Yards	88.53 Tons	\$0.00 Freight	\$142.11 Other	\$0.00 Tax	\$4,089.65 Invoice Total
------------	------------	----------------	----------------	------------	--------------------------

The invoice incorporates herein by reference Buyer's previously executed Credit Application, if any, Sellers Standard Terms and Conditions, Seller's Quotation and Seller's Order Confirmation (including limitations of warranties) as fully set forth on this Invoice ("Agreement"). Buyer agrees that, unless otherwise noted herein, all quantities and items were delivered as indicated and further expressly agrees to pay in accordance with this Agreement. Interest shall accrue on late payments.



CEMEX
PO Box 2037
Everett, WA 98213-2037

CEMEX Construction Materials Pacific, LLC

INVOICE

PAGE 1 OF 1

Date: 12/14/2016
Invoice No: 9434679797
Terms: Net 20th prox
Payment Due On: 01/20/2017
Job No: 14365957
Legal Address: 7530 15TH AVE NW, SEATTLE
Account No: 3172044
Account Name: RYATT CONSTRUCTION LLC



INV2 ▲ 000892
RYATT CONSTRUCTION LLC
9414 STONE AVE N
SEATTLE WA 98103-3329

For All Inquiries Call:
800-355-2772

Remit To:
CEMEX | PO Box 100497 | Pasadena, CA 91189-0497

DETAILED INFORMATION BY PO

PO Number: 715				DELIVERY ADDRESS: 7530 15TH AVE NW, SEATTLE, EVERETT, WA, 98203						
Ship Date	Delivery	Ref #	Product Code / Description	Qty	UOM	Net Price By UOM	Units	Amount	Freight	Tx
12/14/2016	8073553488	1876090299	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	14.810	TON	\$0.00		\$0.00	\$0.00	
12/14/2016	8073553488	1876090299	1192508 CLASS 3 SOIL DUMPED BY TON	14.810	TON	\$44.59 1 TON	14.810	\$660.38	\$0.00	
12/14/2016	8073553931	1876090315	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	19.190	TON	\$0.00		\$0.00	\$0.00	
12/14/2016	8073553931	1876090315	1192508 CLASS 3 SOIL DUMPED BY TON	19.190	TON	\$44.59 1 TON	19.190	\$855.68	\$0.00	
12/14/2016	8073553951	1876090323	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	15.800	TON	\$0.00		\$0.00	\$0.00	
12/14/2016	8073553951	1876090323	1192508 CLASS 3 SOIL DUMPED BY TON	15.800	TON	\$44.59 1 TON	15.800	\$704.52	\$0.00	
PO Subtotal		0.00 Yards	49.80 Tons	\$2,220.58 Material		\$0.00 Freight	\$79.93 Other	\$0.00 Tax	\$2,300.51 Total	

ENTERED
1/4

POSTED

Billing Text: "Other" amount includes \$ 79.93 of Refuse Tax

0.00 Yards	49.80 Tons	\$0.00 Freight	\$79.93 Other	\$0.00 Tax	\$2,300.51 Invoice Total
------------	------------	----------------	---------------	------------	--------------------------

The invoice incorporates herein by reference Buyer's previously executed Credit Application, if any, Sellers Standard Terms and Conditions, Seller's Quotation and Seller's Order Confirmation (including limitations of warranties) as fully set forth on this invoice ("Agreement"). Buyer agrees that, unless otherwise noted herein, all quantities and items were delivered as indicated and further expressly agrees to pay in accordance with this Agreement. Interest shall accrue on late payments.



CEMEX
PO Box 2037
Everett, WA 98213-2037

CEMEX Construction Materials Pacific, LLC

INVOICE

PAGE 1 OF 1

Date: 12/13/2016
Invoice No: 9434667477
Terms: Net 20th prox
Payment Due On: 01/20/2017
Job No: 14365957
Legal Address: 7530 15TH AVE NW, SEATTLE
Customer Job No: 715
Account No: 3172044
Account Name: RYATT CONSTRUCTION LLC



INV2 ▲ 000714
RYATT CONSTRUCTION LLC
9414 STONE AVE N
SEATTLE WA 98103-3329

For All Inquiries Call:
800-355-2772

Remit To:
CEMEX | PO Box 100497 | Pasadena, CA 91189-0497

DETAILED INFORMATION BY PO

PO Number: 715				DELIVERY ADDRESS: 7530 15TH AVE NW, SEATTLE, EVERETT, WA, 98203						
Ship Date	Delivery	Ref #	Product Code / Description	Qty	UOM	Net Price By UOM	Units	Amount	Freight	Tx
12/13/2016	8073543321	1876090267	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	13.240	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543321	1876090267	1192508 CLASS 3 SOIL DUMPED BY TON	13.240	TON	\$44.59	1 TON	\$590.37	\$0.00	
12/13/2016	8073543327	1876090268	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	14.600	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543327	1876090268	1192508 CLASS 3 SOIL DUMPED BY TON	14.600	TON	\$44.59	1 TON	\$651.01	\$0.00	
12/13/2016	8073543333	1876090269	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	11.460	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543333	1876090269	1192508 CLASS 3 SOIL DUMPED BY TON	11.460	TON	\$44.59	1 TON	\$511.00	\$0.00	
12/13/2016	8073543336	1876090270	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	19.010	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543336	1876090270	1192508 CLASS 3 SOIL DUMPED BY TON	19.010	TON	\$44.59	1 TON	\$847.66	\$0.00	
12/13/2016	8073543340	1876090271	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	13.550	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543340	1876090271	1192508 CLASS 3 SOIL DUMPED BY TON	13.550	TON	\$44.59	1 TON	\$604.19	\$0.00	
12/13/2016	8073543346	1876090273	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	15.910	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543346	1876090273	1192508 CLASS 3 SOIL DUMPED BY TON	15.910	TON	\$44.59	1 TON	\$709.43	\$0.00	
12/13/2016	8073543348	1876090274	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	15.370	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543348	1876090274	1192508 CLASS 3 SOIL DUMPED BY TON	15.370	TON	\$44.59	1 TON	\$685.35	\$0.00	
12/13/2016	8073543351	1876090275	1187394 SERV,ENVIRONMENTAL COMPLIANCE FEE	18.870	TON	\$0.00		\$0.00	\$0.00	
12/13/2016	8073543351	1876090275	1192508 CLASS 3 SOIL DUMPED BY TON	18.870	TON	\$44.59	1 TON	\$841.41	\$0.00	
PO Subtotal		0.00 Yards	122.01 Tons	\$5,440.42 Material	\$0.00 Freight	\$195.86 Other	\$0.00 Tax	\$5,636.28 Total		

POSTED

ENTERED
1/4

Billing Text: "Other" amount includes \$ 195.86 of Refuse Tax

0.00 Yards	122.01 Tons	\$0.00 Freight	\$195.86 Other	\$0.00 Tax	\$5,636.28 Invoice Total
------------	-------------	----------------	----------------	------------	--------------------------

The invoice incorporates herein by reference Buyer's previously executed Credit Application, if any, Sellers Standard Terms and Conditions, Seller's Quotation and Seller's Order Confirmation (including limitations of warranties) as fully set forth on this Invoice ("Agreement"). Buyer agrees that, unless otherwise noted herein, all quantities and items were delivered as indicated and further expressly agrees to pay in accordance with this Agreement. Interest shall accrue on late payments.



1876090409

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 01/03/2017

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW, SEATTLE

EVERETT, WA 98203

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 716

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2030805 - 1876-3 EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 17.37 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

Gross:

61,760

ton

30.88

28.01

Tare:

27,020

13.51

12.26

Net:

34,740

17.37

15.76

Today Loads:

3

Today Qty:

47.96 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS

SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighed At: Soil Remediation

1876090413

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 01/03/2017

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW, SEATTLE

EVERETT, WA 98203

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 716

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2030805 - 1876-5 EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 14.53 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

	lb	ton	tne
Gross:	56,880	28.44	25.80
Tare:	27,820	13.91	12.62
Net:	29,060	14.53	13.18

Deputy Weighmaster:

Regan, Angeli S

Scale: 1

* P. T

In:

Today Loads:

5

Out: 11:37 am

Today Qty:

80.77 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

Weighed At: Soil Remediation

1876090408

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 01/03/2017

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW, SEATTLE

EVERETT, WA 98203

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 716

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2030805 - 1876-5 EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 12.76 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

	lb	ton	tne
Gross:	53,340	26.67	24.18
Tare:	27,820	13.91	12.62
Net:	25,520	12.76	11.56

Deputy Weighmaster:

Richard J Regan

Scale: 1

In: 9:45 am

Today Loads:

2

Out: 10:00 am

Today Qty:

30.59 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090339
 Weighed At: Soil Remediation
 6300 Glenwood Ave
CEMEX Everett, WA 98213
 Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/15/2016
 Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
 P76: EX715-ISOLA
 7530 15TH AVE NW, SEATTLE
 EVERETT, WA 98203
 Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: PO: 715 716
 Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
 Carrier: -
 Vehicle: 2034265 - 1876-3, EVERETT SOIL GENERIC
 Tractor / Trailer 1 / Trailer 2 -/- -/-

Qty: 18.16 ton --- DRIVER ON AT TARE & GROSS ---
 Weighmaster: CEMEX
 Gross: 63,380 lb 31.69 ton 28.75 tne
 Tare: 27,060 13.53 12.27
 Net: 36,320 18.16 16.47
 Deputy Weighmaster: Regan, Angeli S
 Scale: 1 * P. T.
 In: 1:40 pm Today Loads: 8
 Out: Today Qty: 88.53 ton 0.00
 CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN
 0.00

Signature of Receiving Agent
 Driver:
 METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
 SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090333
 Weighed At: Soil Remediation
 6300 Glenwood Ave
CEMEX Everett, WA 98213
 Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/15/2016
 Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
 P76: EX715-ISOLA
 7530 15TH AVE NW, SEATTLE
 EVERETT, WA 98203
 Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
 MAC JAC #69 SOLO

Job #: PO: 715 716?
 Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
 Carrier: -
 Vehicle: 2030804 - 1876-4, EVERETT SOIL GENERIC
 Tractor / Trailer 1 / Trailer 2 -/- -/-

Qty: 15.29 ton --- DRIVER ON AT TARE & GROSS ---
 Weighmaster: CEMEX
 Gross: 57,200 lb 28.60 ton 25.95 tne
 Tare: 26,620 13.31 12.07
 Net: 30,580 15.29 13.87
 Deputy Weighmaster: Richard J Regan
 Scale: 1
 In: 8:45 am Today Loads: 2
 Out: 8:53 am Today Qty: 32.11 ton 0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
 SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090299
 Weighed At: Soil Remediation
 6300 Glenwood Ave
CEMEX Everett, WA 98213
 Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/14/2016
 Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
 P76: EX715-ISOLA
 7530 15TH AVE NW, SEATTLE
 EVERETT, WA 98203
 Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
 MAC JAC #1 SOLO

Job #: PO: 715 716
 Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
 Carrier: -
 Vehicle: 2034264 - 1876-2, EVERETT SOIL GENERIC
 Tractor / Trailer 1 / Trailer 2 -/- -/-

Qty: 14.81 ton --- DRIVER ON AT TARE & GROSS ---
 Weighmaster: CEMEX
 Gross: 57,300 lb 28.65 ton 25.99 tne
 Tare: 27,680 13.84 12.56
 Net: 29,620 14.81 13.44
 Deputy Weighmaster: Richard J Regan
 Scale: 1
 In: 10:54 am Today Loads: 1
 Out: 11:15 am Today Qty: 14.81 ton 0.00

CEMEX'S STANDARD TERMS AND CONDITIONS INCORPORATED HEREIN.

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
 SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090335

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/15/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW, SEATTLE

EVERETT, WA 98203

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

MAC JAC #4 SOLO

Job #:

PO: 745

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2092891 - 1876-6 EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/-

Qty: 15.92 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

Gross:

Tare:

Net:

lb

ton

tne

59,440

29.72

26.96

27,600

13.80

12.52

31,840

15.92

14.44

Today Loads:

Today Qty:

3

48.03 ton

0.00

CEMEX'S STANDARD TERMS AND

CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS

SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090332

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/15/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW, SEATTLE

EVERETT, WA 98203

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
MAC JAC #12

Job #:

PO: 745

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2034265 - 1876-3, EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/-

Qty: 16.82 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

Deputy Weighmaster:

Richard J Regan

Scale: 1

In: 8:25 am

Out: 8:36 am

	lb	ton	tne
Gross:	60,700	30.35	27.53
Tare:	27,060	13.53	12.27
Net:	33,640	16.82	15.26

Today Loads:

Today Qty:

1

16.82 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN.

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

1876090338

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 187

Order: 41088337 Dispatch: 0 Date: 12/15/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW, SEATTLE

EVERETT, WA 98203

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
MAC JAC #4 SOLO

Job #:

PO: 745

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2092891 - 1876-6, EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/-

Qty: 6.92 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

Deputy Weighmaster:

Regan, Angelique S

Scale: 1

In:

Out: 11:52 am

	lb	ton	tne
Gross:	41,440	20.72	18.6
Tare:	27,600	13.80	12.5
Net:	13,840	6.92	6.2

Today Loads:

Today Qty:

* P.T.

70.37 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN.

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090268

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/13/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW

SEATTLE, WA 98103-3329

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

RYATT 5 SOLO

Job #: 715

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier:

Vehicle: 2034263 - 1876-1, EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 14.60 ton -- DRIVER ON AT TARE & GROSS --

Weighmaster:

CEMEX

Gross:

59,240

ton

tne

Tare:

30,040

ton

tne

Net:

29,200

ton

tne

Deputy Weighmaster:

Regan, Angelique S

Scale: 1

In: 11:13 am

Out: 11:28 am

Today Loads:

27.84 ton

0.00

Today Qty:

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

1876090269

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/13/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW

SEATTLE, WA 98103-3329

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #:

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier:

Vehicle: 2297210 - HR1S, HARD ROCK

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 11.46 ton

-- DRIVER ON AT TARE & GROSS --

Weighmaster:

CEMEX

Gross:

49,680

24.84

22.53

Deputy Weighmaster:

Regan, Angelique S

Tare:

26,760

13.38

12.14

Net:

22,920

11.46

10.40

Scale: 1

In: 11:21 am

Today Loads:

3

Out: 11:33 am

Today Qty:

39.30 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS



1876090270

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/13/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW

SEATTLE, WA 98103-3329

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
RYATT 5 SOLO

Job #: 715

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier:

Vehicle: 2034263 - 1876-1, EVERETT SOIL GENERIC

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 19.01 ton

-- DRIVER ON AT TARE & GROSS --

Weighmaster:

CEMEX

Gross:

68,060

34.03

30.87

Deputy Weighmaster:

Regan, Angelique S

Tare:

30,040

15.02

13.63

Net:

38,020

19.01

17.25

Scale: 1

* P.T.

In:

Today Loads:

4

Out: 12:58 pm

Today Qty:

58.31 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS



1876090274

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/13/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW

SEATTLE, WA 98103-3329

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 715

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2324275 - RYATT, RYATT CONSTRUCTION

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 15.37 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

Gross:

Tare:

Net:

* P. T.

Today Loads:

Today Qty:

In: 2:16 pm

Out:

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

1876090315

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/14/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW, SEATTLE

EVERETT, WA 98203

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
RYATT #5 SOLO

Job #:

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2324275 - RYATT, RYATT CONSTRUCTION

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 19.19 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

Gross:

lb

ton

tne

68,460

34.23

31.05

Deputy Weighmaster:

Tare:

30,080

15.04

13.64

Richard J Regan

Net:

38,380

19.19

17.41

Scale: 1

In: 12:29 pm

Today Loads:

2

Out: 12:55 pm

Today Qty:

34.00 ton

0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

0.00

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION

1876090267

Weighed At: Soil Remediation

6300 Glenwood Ave

CEMEX Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/13/2016

Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS

P76: EX715-ISOLA

7530 15TH AVE NW

SEATTLE, WA 98103-3329

Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 715

PO: 715

Product: 1192508 - CLASS 3 SOIL DUMPED BY TON

Carrier: -

Vehicle: 2324275 - RYATT, RYATT CONSTRUCTION

Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 13.24 ton --- DRIVER ON AT TARE & GROSS ---

Weighmaster:

CEMEX

Gross:

lb

ton

tne

53,240

26.62

24.1

Deputy Weighmaster:

Tare:

26,760

13.38

12.1

Regan, Angelique S

Net:

26,480

13.24

12.0

Scale: 1

In: 11:11 am

Today Loads:

Out: 11:25 am

Today Qty:

13.24 ton

0.0

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

0.0

Signature of Receiving Agent

Driver:

METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090323

Weighted At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/14/2016
Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
P76: EX715-ISOLA
7530 15TH AVE NW, SEATTLE
EVERETT, WA 98203
Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
MAC JAC #1 SOLO

Job #: PO: 716
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier:
Vehicle: 2034264 - 1876-2, EVERETT SOIL GENERIC
Tractor / Trailer 1 / Trailer 2 - / -

--- DRIVER ON AT TARE & GROSS ---			
	lb	ton	tne
Weightmaster: CEMEX	59,280	29.64	26.89
Deputy Weightmaster: Regan, Angelique S	27,680	13.84	12.56
Scale: 1	31,800	15.80	14.33
* P. T			
Today Loads:	3		
Today Qty:	49.80 ton		
	0.00		

EX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN.

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent
Driver:
CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090273

Weighted At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/13/2016
Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
P76: EX715-ISOLA
7530 15TH AVE NW
SEATTLE, WA 98103-3329
Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 716 PO: 715
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2031806 - V3S, VISION
Tractor / Trailer 1 / Trailer 2 - / -

Qty:	15.91 ton	--- DRIVER ON AT TARE & GROSS ---		
Weightmaster:		lb	ton	tne
CEMEX		Gross:	58,180	29.09
				26.39
Deputy Weightmaster:		Tare:	26,360	13.18
Regan, Angelique S				11.96
		Net:	31,820	15.91
				14.43
Scale:	1			
In:	1:54 pm	Today Loads:	6	
Out:	2:12 pm	Today Qty:	87.77 ton	
			0.00	

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent
Driver:
METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



1876090275

Weighted At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213

Location: 1876

Order: 41088337 Dispatch: 0 Date: 12/13/2016
Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
P76: EX715-ISOLA
7530 15TH AVE NW
SEATTLE, WA 98103-3329
Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
MAC JAC TRUCKING 12 SOLO

Job #: PO: 715
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2034264 - 1876-2, EVERETT SOIL GENERIC
Tractor / Trailer 1 / Trailer 2 - / -

Qty:	18.87 ton	-- DRIVER ON AT TARE & GROSS --		
Weightmaster:	CEMEX			
		lb	ton	tne
Gross:		64,460	32.23	29.24
Tare:		26,720	13.36	12.12
Net:		37,740	18.87	17.12
Scale:	1			
In:	3:02 pm	Today Loads:		8
Out:	3:14 pm	Today Qty:	122.01 ton	
				0.00

CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent
Driver:
METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213
Location: 1876

1876090336

Order: 41088337 Dispatch: 0 Date: 12/15/2016
Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
P76: EX715-ISOLA
7530 15TH AVE NW, SEATTLE
EVERETT, WA 98203
Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION
MAC JAC #89 SOLO

Job #: PO: 715
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2030804 - 1876-4, EVERETT SOIL GENERIC
Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 15.42 ton -- DRIVER ON AT TARE & GROSS --
Weighmaster:
CEMEX
Gross: 57,460 lb 28.73 tne
Tare: 26,620 13.31 26.06
Net: 30,840 15.42 12.07
Deputy Weighmaster:
Regan, Angelique S
Scale: 1 * P. T. 13.99

In: 11:14 am Today Loads: 4
Out: 63.45 ton Today Qty: 0.00
CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent Driver:
METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213
Location: 1876

1876090412

Order: 41088337 Dispatch: 0 Date: 01/03/2017
Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
P76: EX715-ISOLA
7530 15TH AVE NW, SEATTLE
EVERETT, WA 98203
Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 716 PO: 715
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2297066 - BW10T, BUD WINTERS
Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 18.28 ton -- DRIVER ON AT TARE & GROSS --
Weighmaster:
CEMEX
Gross: 64,380 lb 32.19 tne
Tare: 27,820 13.91 12.62
Net: 36,560 18.28 16.58
Deputy Weighmaster:
Regan, Angelique S
Scale: 1 * P. T.
In: Today Loads: 4
Out: 11:24 am Today Qty: 66.24 ton 0.00
CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent Driver:
METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION



Weighed At: Soil Remediation
6300 Glenwood Ave
Everett, WA 98213
Location: 1876

187609040

Order: 41088337 Dispatch: 0 Date: 01/03/2017
Ship To: 50030950 - RYATT CONSTRUCTION LLC-VARIOUS VARIOUS
P76: EX715-ISOLA
7530 15TH AVE NW, SEATTLE
EVERETT, WA 98203
Instruct: CLASS 3 TO EVERETT SOIL REMEDIATION

Job #: 716 PO: 715
Product: 1192508 - CLASS 3 SOIL DUMPED BY TON
Carrier: -
Vehicle: 2297066 - BW10T, BUD WINTERS
Tractor / Trailer1 / Trailer 2 -/- -/-

Qty: 17.83 ton -- DRIVER ON AT TARE & GROSS --
Weighmaster:
CEMEX
Gross: 63,480 lb 31.74 tne
Tare: 27,820 13.91 12.6
Net: 35,660 17.83 16.1
Deputy Weighmaster:
Richard J Regan
Scale: 1
In: 9:47 am Today Loads: 4
Out: 9:56 am Today Qty: 17.83 ton 0.00
CEMEX'S STANDARD TERMS AND
CONDITIONS INCORPORATED HEREIN

Signature of Receiving Agent Driver:
METRIC CONVERSION FORMULA: POUNDS DIVIDED BY 2204.623, ROUNDED TO 2 DECIMALS
SEE REVERSE SIDE FOR PRODUCT LABEL INFORMATION