



August 31, 2016

Mr. Jasmin Patel  
Mr. Rune Harkenstad  
SERJ Developments  
1500 East Katella Avenue, Suite 5  
Orange, California 92867

**RE: Independent Cleanup Action Report  
Proposed Marysville Retail  
3710 116th Street Northeast  
Marysville, Snohomish County, Washington 98271  
RGI Project No. 2015-165G**

Dear Mr. Patel and Mr. Harkenstad:

The Riley Group, Inc. (RGI) is pleased to present our Independent Cleanup Action (ICA) Report regarding the Proposed Marysville Retail property located at 3710 116th Street Northeast, Marysville, Snohomish County, Washington (hereafter referred to as the Site, Figure 1). The Site address 3710 116th Street Northeast, where the ICA was performed, consists of an approximately 0.96-acre tax parcel (tax parcel number 30050900301400) formerly occupied by a single-family residence with a full basement (labeled as Residence 3710 on Figure 2).

This report documents the cleanup of contaminated soils and shallow groundwater underlying the Site. The contamination was associated with an apparent heating oil release from a non-regulated, residential heating oil, above ground, or former underground storage tank (UST), system located on the Site.

In addition, this report includes a summary of other soil and groundwater sampling results obtained from contiguous parcels associated with this proposed Marysville Retail redevelopment in its entirety. The other contiguous parcels were also historically used for residential and included addresses 3724 and 3806 116th Avenue Northeast (see Figure 2). SERJ Developments (hereafter referred to as the Client) is in the process of redeveloping the Site and adjoining parcels with retail buildings and restaurants.

The objective of this ICA was to perform the necessary cleanup activities and demonstrate that the cleanup meets the substantive requirements of the Model Toxics Control Act (MTCA) Cleanup Regulation (WAC 173-360).

As been discussed previously, this ICA Report will also be submitted to the Snohomish County Health District (SCHD) for their:

- Completion of an Initial Investigation Field Report (IIFR).
- Provide a recommendation to the Washington State Department of Ecology (Ecology) as to whether or not the completed cleanup meets the substantive requirements of MTCA and warrants a No Further Action (NFA) at the Initial Investigation stage.

Upon Ecology's receipt of the IIFR, Ecology will review the SCHD's IIFR recommendation for concurrence and/or final determination.

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## PROJECT BACKGROUND

The scope of work was based on RGI's findings, conclusions, and recommendations in the following reports:

- Supplemental Phase II Subsurface Investigation (Supplemental Phase II) dated April 27, 2016, prepared on behalf of the Client (RGI Project No. 2015-165E).
- Geophysical Survey and Preliminary Phase II Subsurface Investigation (Preliminary Phase II) dated February 10, 2016, prepared on behalf of the Client (RGI Project No. 2015-165B).
- Phase I Environmental Site Assessment (ESA) dated December 22, 2015, prepared on behalf of the Client (RGI Project No. 2015-165A).

Our complete findings, conclusions, and recommendations are included in the above referenced reports (previously submitted under separate cover).

Results from RGI's Preliminary and Supplemental Phase IIs are included on the attached Figure 2 and Tables 1 and 2. Summaries of the conclusions and recommendations from these previous reports are provided below.

### **Phase I ESA**

The RGI Phase I ESA included the Site (3710 116th Avenue Northeast), as well as seven other tax parcels associated with the purchase/redevelopment (see Figure 2). Based on RGI's Phase I ESA findings, the following recognized environmental conditions (RECs) were specifically identified regarding the Site residence:

- One heating oil aboveground storage tank (AST) was present on the west side of the Site residence at 3701 116th Avenue Northeast (Photograph 1/Appendix A). The Site residence had a full-basement, and the chimney and oil-burning furnace for the residence was located on the west side of the residence (closer to the northwest corner of the residence), Photograph 2. The oil burning furnace was situated in the basement, just south of, and was vented to, the brick chimney.
- An abandoned or former UST was suspected at the Site based on a suspect metal pipe identified near the former residence (potentially a UST fill or vent pipe) and the fact that the residence historically utilized a heating oil AST. The size, installation date, location, and status of any suspect UST (decommissioned-in-place, abandoned, or previously removed) was unknown. The potential of a former or abandoned heating oil UST on the west side of the Site residence was considered a REC.

RGI recommended conducting a Geophysical Survey in an effort to locate any abandoned, decommissioned, or former UST locations at the Site residence. In addition, RGI recommended a Preliminary Phase II Subsurface Investigation to determine if the AST and/or any suspect heating oil UST had adversely affected the soil or shallow groundwater underlying the Site.

### **Geophysical Survey and Preliminary Phase II**

RGI performed a Geophysical Survey and Preliminary Phase II subsurface investigation which included the Site (3701 116th Avenue NE), as well as the seven other contiguous tax parcels associated with the Client's purchase/redevelopment.

The findings from this study for the other contiguous parcels are summarized in the attached Tables and Figures for reference, but are not summarized herein.

In regards specifically to the Site (3701 116th Avenue NE), the Geophysical Survey and Preliminary Phase II findings are summarized as follows:

- No geophysical anomalies (for example, abandoned USTs) were identified.
- Three test probes (TP3, TP4, and TP8) were advanced in the vicinity of heating oil AST and on the west side of the Site 3710 residence.
- One of the test probes (TP4) intercepted soil (at approximately 12 feet bgs) and two of the shallow groundwater grab samples (TP4 and TP8, at approximately 11 feet bgs) had concentrations exceeding the Ecology's MTCA Method A Cleanup Levels. Analytical results are illustrated in the attached Figures and Tables.

### **Supplemental Phase II**

RGI's Supplemental Phase II included the installation of three groundwater monitoring wells (MW1 to MW3) and advancement of two test probes (TP9 and TP10) in an effort to better define the nature and extent of contamination.

Based on the Supplemental Phase II findings, RGI concluded the following:

- Soil and groundwater intercepted had non-detectable concentration of diesel-range total petroleum hydrocarbons (TPH).
- The soil and groundwater contamination identified during the Preliminary Phase II appeared to be relatively limited in extent. However, it was unknown whether the contamination extended beneath the residence. The contamination did not appear to have migrated off the Site or into any right-of-ways.
- Groundwater flow direction was to the south-southwest (see Figure 3).

RGI recommended remediation of the petroleum contamination during the planned redevelopment, in conjunction with and/or following the demolition of the residence.

At the request of the Client, RGI reported the discovered contamination to Ecology on March 22, 2016 by providing our Preliminary Phase II Report to Ecology.

### **INDEPENDENT CLEANUP ACTION**

The scope of work performed for this ICA included the following tasks:

- Relied on information developed for the 2015 Phase I ESA, 2016 Geophysical Survey and Preliminary Phase II, and 2016 Supplemental Phase II.
- Prepared a Site-Specific Health and Safety Plan.
- Conducted a remedial excavation at the Site where soil and/or groundwater contained concentrations of contaminants of concern exceeding the applicable MTCA Method A cleanup levels.
- Conducted dewatering of the excavation to remove petroleum contaminated groundwater.
- Directed the segregation of clean overburden soils versus petroleum contaminated soil (PCS).
- Coordinated the proper off-Site disposal of excavated contaminated soil and pumped groundwater.

- Provided environmental oversight of all on-site ICA activities.
- Collected cleanup confirmation soil and groundwater grab samples from the remedial excavation for diesel-range TPH laboratory analyses.
- Compared soil and/or groundwater analytical results to Ecology's MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses and MTCA Method A Cleanup Levels for Ground Water (WAC 173-340).
- Prepared this report presenting our observations, findings, conclusions, and recommendations.

### **REGULATORY FRAMEWORK**

Washington's chemical release cleanup law, the Model Toxics Control Act (RCW 70.105D), mandates that site cleanups protect human health and the environment. The MTCA Cleanup Regulation (WAC 173-340) defines the approach for establishing cleanup requirements for individual sites, including the establishment of cleanup standards and selection of cleanup actions.

MTCA regulation provides three options for establishing generic and site-specific cleanup levels for soil and groundwater. Method A cleanup levels have been adopted for specific purposes and are intended to provide conservative cleanup levels for sites undergoing routine site characterization or cleanup actions or those sites with relatively few hazardous substances. Method B and C cleanup levels are set using a site risk assessment, which focus on the use of "reasonable maximum exposure" assumptions based on site-specific characteristics and toxicity of the contaminants of concern.

The selected soil and groundwater cleanup levels for this project include the MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses and the MTCA Method A Cleanup Levels for Ground Water (considered protective of drinking water).

Soil cleanup levels are summarized in the attached Table 1. Groundwater cleanup levels are summarized in the attached Table 2.

### **REMEDY SELECTION**

The selected remedial method for the contaminated soil was direct excavation with off-Site disposal at a licensed facility. The selected remedial method for the contaminated groundwater was excavation dewatering with off-Site disposal at a licensed facility. This approach was selected because it was considered an effective and permanent solution, and had a short restoration time-frame. This method was also considered relatively cost-effective.

### **CONTAMINATED SOIL CHARACTERIZATION**

Soil sampling results from the Preliminary and Supplemental Phase II investigations were submitted to Cemex (of Everett, Washington) for the purpose of contaminated soil characterization and disposal approval.

The contaminated soils were designated as routine non-hazardous petroleum-contaminated soil. The contaminant of concern was diesel-range TPH.

## REMEDIAL EXCAVATION

Between July 12 and 15, 2016, RGI personnel oversaw the remedial excavation at the Site residence (3701 116th Street Northeast). The remedial excavation was performed with an excavator operated by RGSS Construction of Arlington, Washington under direct contract with the Client. RGI provided oversight and directed the remedial excavation on behalf of the Client. The PCS was directly loaded into dump trucks for off-Site disposal at Cemex of Everett, Washington. The disposal documentation is included in Appendix C.

Soil samples were screened in the field for the presence of volatile organic compounds (VOCs) using a portable gas analyzer equipped with a photo-ionization detector (PID) and for longer chain petroleum products (for example, diesel and oil) using a water sheen test. PID results are noted on Table 1. Soils were excavated until there were no field indications of contamination.

RGSS Construction indicated, previous to our arrival on-site, that they mistakenly broke the product piping that connected the heating oil AST and oil-burning furnace located in the Site's basement during demolition. Leaked heating oil from the AST was observed on the surficial soils. However, contaminated soil from this leak was limited in extent and was promptly over-excavated and stockpiled for off-site disposal.

During the remedial excavation, no abandoned heating oil UST, or obvious former UST location was encountered. However, a former excavation was observed just west of the 3701 residence and south of the brick chimney (see Photograph 3). However, the apparent backfilled soils did not appear to be more contaminated than nearby native soils.

During this ICA, clean soil overburden was encountered extending from the surface to approximately 10 to 11 feet bgs (except for some shallow contaminated soils underlying the AST discussed in the previous paragraph). The clean overburden soils were stockpiled on the Site for future on-site use during the proposed redevelopment of the Site.

The excavated petroleum contaminated soil (PCS) was generally encountered between depths of approximately 11 and 12 feet bgs. The depths of 11 to 12 feet bgs coincides with the shallow groundwater elevation. Analytical laboratory results and field screening results indicated that this thin PCS horizon was underlain by clean soils at depths of approximately 12 and 13 feet bgs. In summary, the thickness of the contaminated soil horizon was only 1 to 2 feet thick.

The final lateral dimensions of the remedial excavation was approximately 20 feet by 30 feet. A total of 128.09 tons (approximately 92 cubic yards) of PCS was excavated from the Site. The approximate lateral extent of the remedial excavation area with interim and final cleanup confirmation soil sample locations is depicted on Figure 4. The final depth of the remedial excavation was approximately 12 to 13 feet bgs. The approximate vertical extent of the remedial excavation area is depicted in cross section on Figure 4. It should be noted that the sloping/benching of the excavation sidewalls extended beyond the depicted remedial excavation limits on Figure 4. The remedial excavation limits on Figures 4 and 5 depict the area of identified and removed PCS.

Soil conditions encountered were described using the Unified Soil Classification System (USCS). Subsurface soils encountered during excavation generally consisted of brown, dry to wet, medium dense, fine to medium sand.

As indicated above, the primary source of the identified contamination remains unknown. The heating oil petroleum release to the subsurface was from either the known AST, or a possible former UST, and/or from the product delivery and/or return lines (between the tank and furnace located in the basement).

One of the groundwater monitoring wells (MW2) at the 3701 residence was damaged during excavation activities. The well monument and top portion of the well casing was mistakenly removed by the RGSS excavator. RGI placed a J-plug in the remaining well casing to seal the well, with the intention of repairing and/or decommissioning the well at a later date.

### **EXCAVATION DEWATERING**

Excavation dewatering was performed during the soil remedial excavation effort in order to facilitate the excavation of PCS, as well as to remove contaminated groundwater. The groundwater level in the excavation was approximately 11 feet bgs.

RGI contracted with Marine Vacuum Services of Seattle and Washington Marine of Everett, Washington for the excavation dewatering. Contaminated groundwater was pumped from the open excavation into a vac-truck and was then transported off-Site to a licensed disposal facility. The disposal documentation is included in Appendix C.

Dewatering events were completed approximately twice per week between July 12 and August 25, 2016 (a total of eight separate dewatering events). An average of 4,000 gallons of groundwater was removed per dewatering event (ranged from approximately 1,000 to 5,100 gallons/event). A petroleum sheen was observed on the groundwater in the excavation initially, but the sheen was no longer visible following the first three dewatering, and all subsequent dewatering events. A total of 28,835 gallons of groundwater was removed from the excavation for off-Site disposal.

### **CONFIRMATION SOIL AND GROUNDWATER GRAB SAMPLING**

A total of eight cleanup confirmation soil samples were collected from the remedial excavation bottom (Bottom 4, Bottom 5, and Bottom 6) and sidewalls (North-Sidewall, East-Sidewall, South-Sidewall, Southwest-Sidewall, and West-Sidewall) at depths of 12 to 13 feet bgs (Figures 4 and 5).

Prior to the cleanup confirmation soil samples, three interim soil samples (Bottom 1, Bottom 2, and Bottom 3) were collected from the remedial excavation bottom at depths of 11 to 12 feet bgs. These interim soil samples were ultimately over-excavated and removed for off-Site disposal based on either their analytical laboratory results or the field screening results in their vicinity.

Three clean overburden soil samples (Stockpile 1, Stockpile 2, and Stockpile 3) were collected for analysis.

Groundwater grab samples were collected from the open excavation either before or after each dewatering event in order to monitor the groundwater cleanup effort. A total of nine groundwater grab samples (GW-Grab1 through GW-Grab9) were collected between July 12 and August 25, 2016, Figure 4 and Table 2.

All samples were collected in accordance with RGI's standard operating and decontamination procedures. Samples were placed in preconditioned, sterilized containers provided by an Ecology-accredited analytical laboratory. The samples were placed in a chilled cooler throughout the field program, with all subsequent transportation and transfer accomplished in accordance

with RGI's chain-of-custody procedures. All sampling equipment was decontaminated using Alconox® soap and bottled water between sampling events.

Site restoration (such as excavation backfill) was to be completed as necessary by RGSS Construction as part of the redevelopment activities. As the date of this report, the remedial excavation is still open and secured by portable chain link fencing.

### **ANALYTICAL LABORATORY ANALYSIS**

Analytical test certificates, including quality control, data, and chain-of-custody documentation for all samples submitted to the analytical testing laboratory by RGI as part of this ICA are included in Appendix B.

#### ***Soil Findings***

The interim and cleanup confirmation soil sample locations and analytical results are summarized in Table 1, depicted on Figure 4, and discussed below.

A total of 14 discrete soil samples were submitted to Friedman & Bruya, Inc., an Ecology-accredited third-party analytical laboratory, for laboratory analysis. The soil samples were analyzed for diesel- and oil-range TPH using Northwest Test Method TPH-Dx.

The three interim soil samples contained concentrations of diesel-range TPH ranging from not detected (below method detection limits) to 3,100 milligram per kilogram (mg/kg). One of the interim soil samples (Bottom 2) was in exceedance of the MTCA Method A soil cleanup level of 2,000 mg/kg, with a diesel-range TPH concentration of 3,100 mg/kg. These three areas were ultimately over-excavated for off-Site disposal.

The eight final cleanup confirmation soil samples contained concentrations of diesel- and oil-range TPH that were below method detection limits (not detected).

The three stockpile samples contained concentrations of diesel- and oil-range TPH that were below method detection limits (not detected). Based on the laboratory results, the stockpiles were determined to be suitable for re-use on the Site.

#### ***Groundwater Findings***

The groundwater grab sample analytical results from the remedial excavation are summarized in Table 2, illustrated on Figure 4, and discussed below.

A total of eight groundwater grab samples were submitted to Friedman & Bruya, Inc., an Ecology-accredited third-party analytical laboratory, for laboratory analysis. The groundwater samples were analyzed for diesel- and oil-range TPH using Northwest Test Method TPH-Dx.

The groundwater grab samples contained concentrations of diesel-range TPH ranging from 200 to 450,000 micrograms per liter (µg/L). The first four groundwater grab samples (GW-Grab1 through GW-Grab4) were in exceedance of the MTCA Method A groundwater cleanup level of 500 µg/L with diesel-range TPH concentrations ranging from 580 to 450,000 µg/L. The first groundwater grab sample (GW-Grab1) that contained the highest concentration was collected prior to any dewatering events, and appeared turbid. The last four groundwater grab samples were below the MTCA Method A groundwater cleanup level with diesel-range TPH concentrations ranging from 200 to 480 µg/L.

The first two groundwater grab samples (GW-Grab1 and GW-Grab2) contained concentrations of oil-range TPH of 13,000 and 670 µg/L, which were in exceedance of the MTCA Method A groundwater cleanup level of 500 µg/L. However, the laboratory noted that the sample chromatographic pattern for both oil-range TPH detections did not resemble the fuel standard used for quantitation ("x" flag). In other words, the apparent oil-range TPH concentrations were likely a result of the diesel-range TPH concentrations. The remaining six groundwater grab samples contained oil-range TPH concentrations below method detection limits.

### CONCLUSIONS

A total of 128.09 tons (approximately 92 cubic yards) of contaminated soil was excavated from the Site for proper off-Site disposal at Cemex. Cleanup confirmation soil samples collected from the final remedial excavation limits indicated that contaminated soils exceeding the applicable MTCA Method A soil cleanup levels appeared to have been successfully removed. The remaining in-situ soils in the remedial excavation area, as well as elsewhere across the Site (where tested), contained non-detectable concentrations of the contaminants of concern.

A total of 28,835 gallons of contaminated groundwater was generated during a total of eight excavation dewatering events performed in July and August of 2016. All excavation dewatering and off-site disposal was performed by various vac-truck service providers. As a result of the excavation dewatering effort, initial groundwater concentrations of 450,000 µg/L (on July 12, 2016) decreased to 580 µg/L following three dewatering events (July 18, 2016). Prior to, or following, the five subsequent dewatering events from July 25 to August 25, 2016, groundwater concentrations ranged between 200 µg/L to 360 µg/L (below the MTCA Method A Cleanup Level for Groundwater of 500 µg/L). These groundwater grab samples collected from the remedial excavation indicated that contaminated groundwater exceeding the applicable MTCA Method A groundwater cleanup levels had been successfully removed.

In our opinion, based on the groundwater data and the completed cleanup, this ICA has met the substantive requirements of MTCA and warrants a No Further Action (NFA) determination.

### PROJECT LIMITATIONS

This report is the property of RGI, SERJ Developments, and their authorized representatives or affiliates and was prepared in a manner consistent with the level of skill and care ordinarily exercised by members of the profession currently practicing in the same locality and under similar conditions. This report is intended for specific application to the Proposed Marysville Retail property located at 3710 116th Street Northeast, Marysville, Snohomish County, Washington. No other warranty, expressed or implied, is made.

Please contact the undersigned at (425) 415-0551 if you have any questions or need additional information.



Sincerely,  
**THE RILEY GROUP, INC.**



Tamara Welty, LG  
Project Geologist



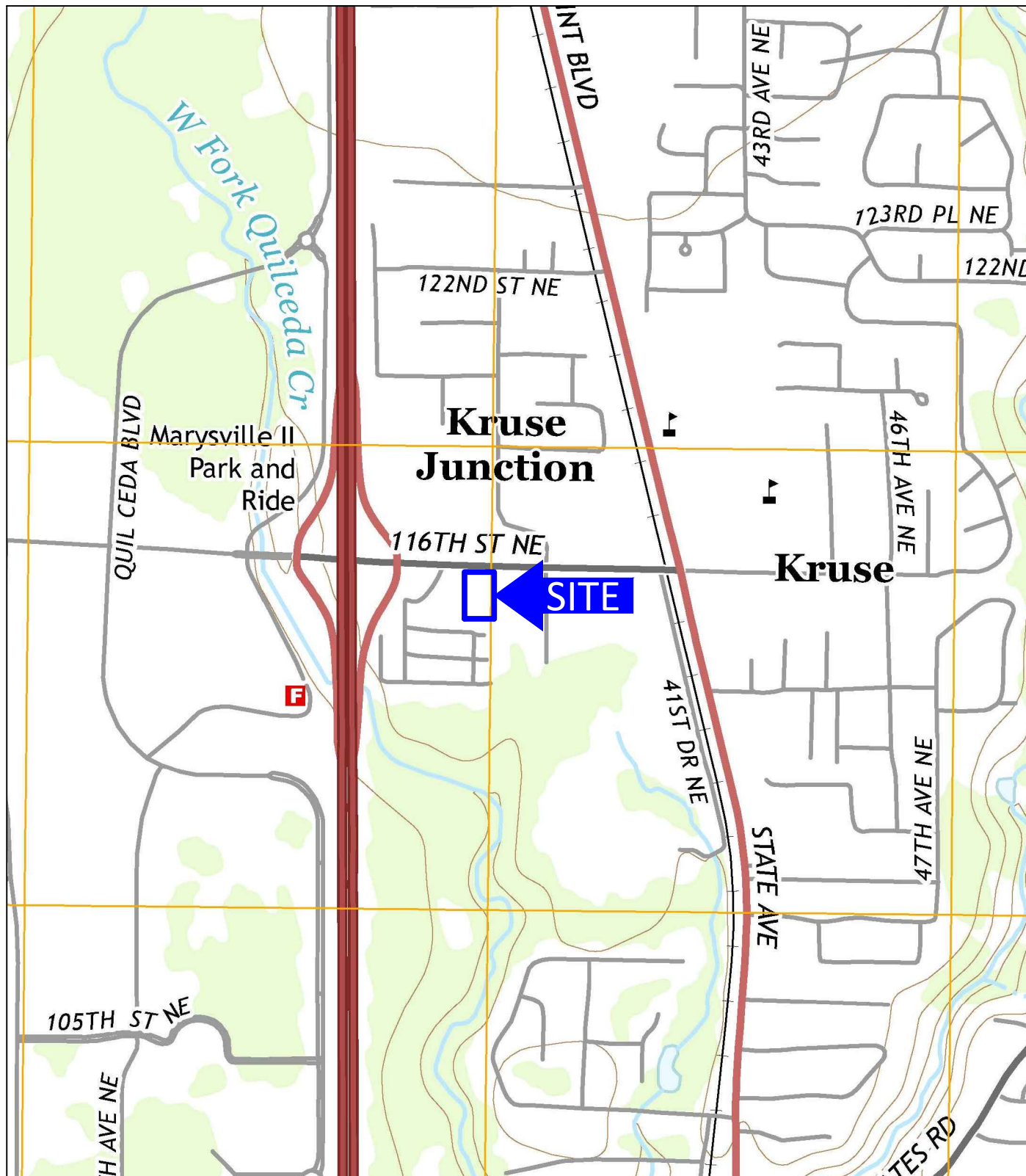
Paul D. Riley, LG, LHG  
Principal

**Attachments**

- Figure 1, Site Vicinity Map*
- Figure 2, Site Plan Showing January 2016 Test Probe Locations and Analytical Results*
- Figure 3, Site Plan Showing January and April 2016 Phase II Analytical Results*
- Figure 4, Site Plan Showing Remedial Excavation Area and Samples*
- Figure 5, Cross Section A – A'*
- Table 1, Summary of Soil Sample Analytical Laboratory Results*
- Table 2, Summary of Groundwater Sample Analytical Laboratory Results*
- Appendix A, Photographs*
- Appendix B, Analytical Laboratory Reports*
- Appendix C, Contaminated Soil and Excavation Dewatering & Disposal Documentation*

**Distribution**

- Mr. Jasmin Patel, SERJ Developments (PDF)*
- Mr. Rune Harkstad, Kidder Mathews (PDF)*
- Mr. Mike Young, Snohomish Health District (one bound copy and PDF)*



USGS, 2014, Marysville, Washington  
7.5-Minute Quadrangle

Approximate Scale: 1"=1000'



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Proposed Marysville Retail

RGI Project Number  
2015-165G

Site Vicinity Map

Figure 1

Date Drawn:  
08/2016

Address: 3710 116th Street Northeast, Marysville, Washington 98271

TP4				
Date	Matrix	Depth	DSL	Oil
1/26/16	Soil	5'	ND	ND
1/26/16	Soil	12'	<b>6,200</b>	ND
1/26/16	Soil	15'	ND	ND
1/26/16	Water	11'	<b>9,500</b>	<b>2,000x</b>

TP8				
Date	Matrix	Depth	DSL	Oil
1/26/16	Soil	11'	ND	ND
1/26/16	Water	11'	<b>2,500</b>	<b>690x</b>

TP3				
Date	Matrix	Depth	DSL	Oil
1/26/16	Soil	12'	ND	ND

TP1					
Date	Matrix	Depth	Gas	BTEX	VOCs
1/26/16	Soil	11'	ND	ND	---
1/26/16	Water	10.5'	ND	---	ND

TP2					
Date	Matrix	Depth	Gas	BTEX	VOCs
1/26/16	Soil	10'	ND	ND	---
1/26/16	Water	12'	ND	---	ND

TP5				
Date	Matrix	Depth	DSL	Oil
1/26/16	Soil	5'	ND	ND
1/26/16	Water	10.5'	ND	ND

SV-1													
Date	Matrix	Depth	TPHv Fractions			B	T	E	X	VOCs	CO <sub>2</sub>	O <sub>2</sub>	N <sub>2</sub>
			C5 - C8	C9 - C12	C9-C10								
1/26/16	Soil Vapor	4.5'	450	220	ND	ND	13	ND	ND	ND	ND	21%	79%

= Soil analytical laboratory results in mg/kg (ppm); groundwater results in ug/L (ppb); soil vapor results in ug/m³  
Gas/DSL/Oil = Gasoline/diesel/oil total petroleum hydrocarbons (TPH)  
BTEX = Benzene, toluene, ethylbenzene, xylenes  
VOCs = Volatile organic compounds  
TPHv Fractions = Equivalent carbon ranges for aliphatics C5 - C8 and C9 - C15 and aromatics C9 - C10  
CO2/N2/O2 = Carbon dioxide/nitrogen/oxygen percentages  
ND = Not detected above analytical detection limit  
--- = Not analyzed  
Bold and yellow highlighted results indicate concentrations that exceed the applicable screening levels.

= Soil vapor location by RGI on 1/26/2016  
 = Test probe location by RGI on 1/26/2016  
 = Septic System  
 = (in black) Groundwater Monitoring Well by Others (Existing or Former)  
 = (in blue) Existing Drinking Water Well (Active or Inactive)  
SFR = Single-Family Residence  
--- = Site Boundary

Note: Former and proposed features shown in gray.

Note: Not all previous wells/boring locations on west-adjoining property are shown.



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Proposed Marysville Retail		Figure 2
RGI Project Number	Site Plan Showing January 2016 Test Probe Locations and Analytical Results	Date Drawn:
2015-165G		08/2016
Address: 3710 116th Street Northeast, Marysville, Washington 98271		

Approximate Scale: 1"=100'  
0 50 100 200



MW3				
Date	Matrix	Depth	DSL	Oil
4/07/16	Soil	9'	ND	ND
4/14/16	Water	8.10'	ND	ND

TP9				
Date	Matrix	Depth	DSL	Oil
4/7/16	Soil	5'	ND	ND

TP4				
Date	Matrix	Depth	DSL	Oil
1/26/16	Soil	5'	ND	ND
1/26/16	Soil	12'	6,200	ND
1/26/16	Soil	15'	ND	ND
1/26/16	Water	11'	9,500	2,000x

TP8				
Date	Matrix	Depth	DSL	Oil
1/26/16	Soil	11'	ND	ND
1/26/16	Water	11'	2,500	690x

TP3				
Date	Matrix	Depth	DSL	Oil
1/26/16	Soil	12'	ND	ND

MW2				
Date	Matrix	Depth	DSL	Oil
4/07/16	Soil	8'	ND	ND
4/14/16	Water	8.35'	ND	ND

TP10				
Date	Matrix	Depth	DSL	Oil
4/7/16	Soil	10'	ND	ND

MW1				
Date	Matrix	Depth	DSL	Oil
4/07/16	Soil	13'	ND	ND
4/14/16	Water	8.50'	ND	ND

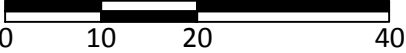
- 68.00— = Groundwater contours generated using Surfer Software (based on Kriging method).  
Contours based on April 14, 2016 water level measurements.
- ↩ = Groundwater Flow Direction
- ☐ = Soil analytical laboratory results in mg/kg (ppm) and groundwater results in ug/L (ppb)  
DSL/Oil = Diesel/oil total petroleum hydrocarbons (TPH)  
ND = Not detected above analytical detection limit  
--- = Not analyzed  
Bold and yellow highlighted results indicate concentrations that exceed the applicable screening levels.
- = Monitoring well by RGI on 4/7/16  
● = Test probe location by RGI on 4/7/16  
● = Test probe location by RGI on 1/26/16  
⊕ = Former septic system  
--- = Site boundary



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Proposed Marysville Retail		Figure 3
RGI Project Number 2015-165G	Site Plan Showing January and April 2016 Phase II Analytical Results	Date Drawn: 08/2016
Address: 3710 116th Street Northeast, Marysville, Washington 98271		

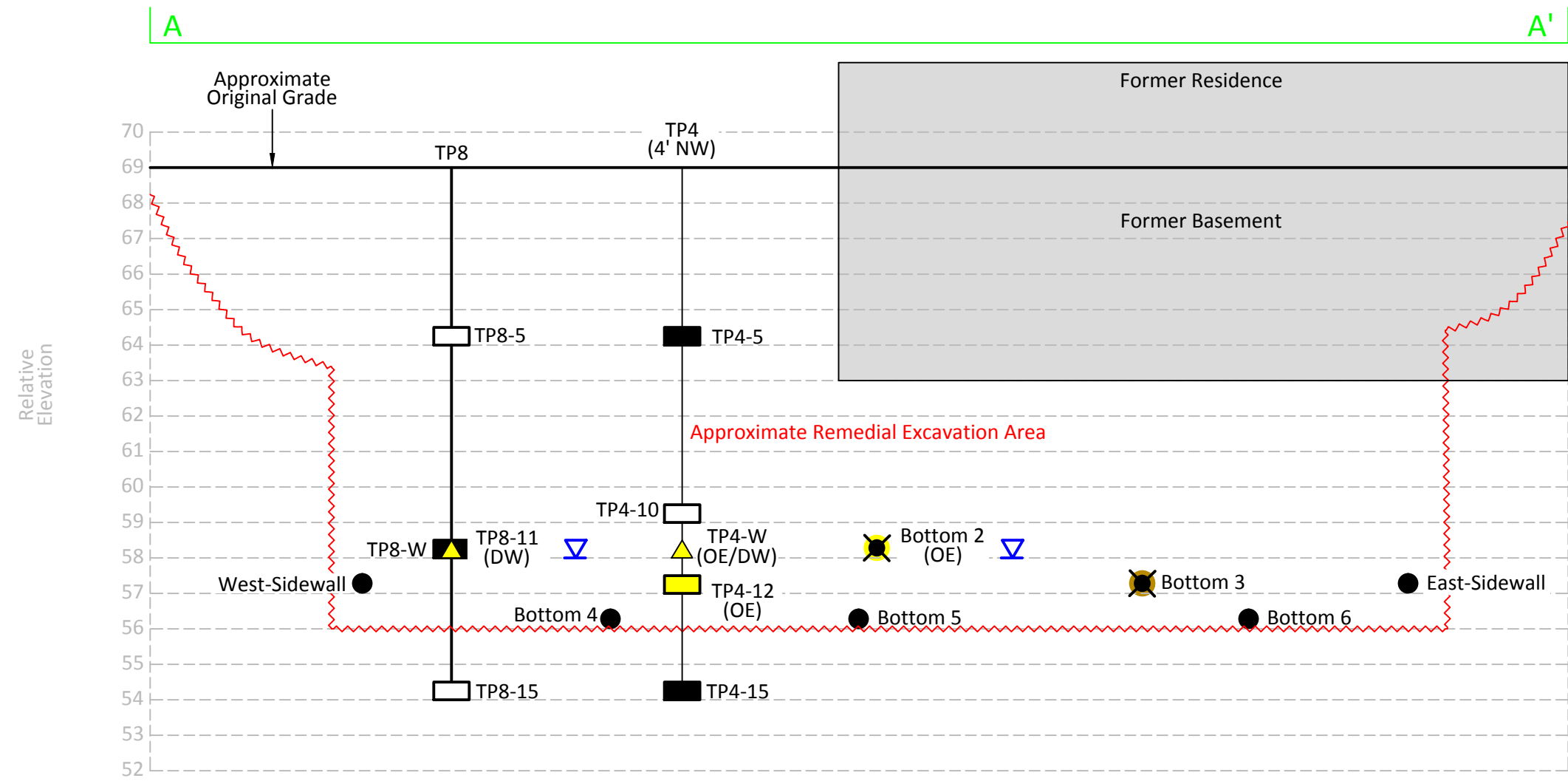
Approximate Scale: 1"=20'







Looking Northwest



Final performance sample location with diesel-TPH (total petrol hydrocarbons):

- Not analyzed
- Not detected
- Detected below MTCA Method A cleanup levels
- Detected above MTCA Method A cleanup levels

Interim soil sample location (over-excavated) with diesel-TPH:

- ⊠ Not analyzed
- ⊠ Not detected
- ⊠ Detected below MTCA Method A cleanup levels
- ⊠ Detected above MTCA Method A cleanup levels

Soil sample location with diesel-TPH:

- Not analyzed
- Not detected
- Detected below MTCA Method A cleanup levels
- Detected above MTCA Method A cleanup levels

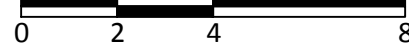
~~~~~ = Approximate extent of remedial excavation by RGI in July 2016


Water sample location with diesel-TPH:

- △ Not analyzed
- ▲ Not detected
- ▲ Detected below MTCA Method A cleanup levels
- ▲ Detected above MTCA Method A cleanup levels

OE = Over-excavated  
DW = Dewatered  
▽ = Approximate static water level

Approximate Scale: 1"=4'



|                                                                                                                                                                                                                               |                                                                    |                      |                        |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------|------------------------|
|  <div>Corporate Office<br/>17522 Bothell Way Northeast<br/>Bothell, Washington 98011<br/>Phone: 425.415.0551<br/>Fax: 425.415.0311</div> | Proposed Marysville Retail                                         |                      | Figure 5               |
|                                                                                                                                                                                                                               | RGI Project Number<br>2015-165G                                    | Cross Section A - A' | Date Drawn:<br>08/2016 |
|                                                                                                                                                                                                                               | Address: 3710 116th Street Northeast, Marysville, Washington 98271 |                      |                        |

**Table 1, Page 1 of 2. Summary of Soil Sample Analytical Laboratory Results****Proposed Marysville Retail****3710 116th Street Northeast, Marysville, Washington 98271****The Riley Group, Inc. Project No. 2015-165G**

| Sample Number                                                 | Sample Depth | Sample Date | PID  | Diesel TPH    | Oil TPH | Diesel TPH       | Oil TPH |
|---------------------------------------------------------------|--------------|-------------|------|---------------|---------|------------------|---------|
|                                                               |              |             |      | w/ Silica Gel |         | w/out Silica Gel |         |
| July 2016 Remediation - Confirmation Soil Samples             |              |             |      |               |         |                  |         |
| Bottom 4                                                      | 13           | 07/13/16    | 0.0  | ND<50         | ND<250  | ---              | ---     |
| Bottom 5                                                      | 13           | 07/13/16    | 3.6  | ND<50         | ND<250  | ---              | ---     |
| Bottom 6                                                      | 13           | 07/13/16    | 0.5  | ND<50         | ND<250  | ---              | ---     |
| North-Sidewall                                                | 12           | 07/13/16    | 0.0  | ND<50         | ND<250  | ---              | ---     |
| East-Sidewall                                                 | 12           | 07/13/16    | 0.0  | ND<50         | ND<250  | ---              | ---     |
| South-Sidewall                                                | 12           | 07/13/16    | 1.2  | ND<50         | ND<250  | ---              | ---     |
| Southwest-Sidewall                                            | 12           | 07/13/16    | 0.0  | ND<50         | ND<250  | ---              | ---     |
| West-Sidewall                                                 | 12           | 07/13/16    | 0.0  | ND<50         | ND<250  | ---              | ---     |
| Stockpile 1                                                   | ----         | 07/13/16    | ---- | ND<50         | ND<250  | ---              | ---     |
| Stockpile 2                                                   | ----         | 07/13/16    | ---- | ND<50         | ND<250  | ---              | ---     |
| Stockpile 3                                                   | ----         | 07/13/16    | ---- | ND<50         | ND<250  | ---              | ---     |
| July 2016 Remediation - Interim Soil Samples (Over-Excavated) |              |             |      |               |         |                  |         |
| Bottom 1                                                      | 11           | 07/12/16    | 3    | ND<50         | ND<250  | ---              | ---     |
| Bottom 2                                                      | 11           | 07/12/16    | 76   | 3,100         | ND<250  | ---              | ---     |
| Bottom 3                                                      | 12           | 07/13/16    | 226  | 85            | ND<250  | ---              | ---     |
| April 2016 Supplemental Phase II Subsurface Investigation     |              |             |      |               |         |                  |         |
| MW1-8                                                         | 8            | 04/07/16    | 0.3  | ---           | ---     | ---              | ---     |
| MW1-9                                                         | 9            | 04/07/16    | 0.4  | ---           | ---     | ---              | ---     |
| MW1-13                                                        | 13           | 04/07/16    | 0.4  | ---           | ---     | ND<50            | ND<250  |
| MW1-18                                                        | 18           | 04/07/16    | 0.3  | ---           | ---     | ---              | ---     |
| MW2-8                                                         | 8            | 04/07/16    | 0.7  | ---           | ---     | ND<50            | ND<250  |
| MW2-9                                                         | 9            | 04/07/16    | 0.5  | ---           | ---     | ---              | ---     |
| MW2-18                                                        | 18           | 04/07/16    | 0.3  | ---           | ---     | ---              | ---     |
| MW3-9                                                         | 9            | 04/07/16    | 0.7  | ---           | ---     | ND<50            | ND<250  |
| MW3-11                                                        | 11           | 04/07/16    | 0.3  | ---           | ---     | ---              | ---     |
| MW3-14                                                        | 14           | 04/07/16    | 0.3  | ---           | ---     | ---              | ---     |
| TP9-5                                                         | 5            | 04/07/16    | 1.1  | ---           | ---     | ND<50            | ND<250  |
| TP9-10                                                        | 10           | 04/07/16    | 1.3  | ---           | ---     | ---              | ---     |
| TP10-5                                                        | 5            | 04/07/16    | 0.5  | ---           | ---     | ---              | ---     |
| TP10-10                                                       | 10           | 04/07/16    | 0.3  | ---           | ---     | ND<50            | ND<250  |
| January 2016 Preliminary Phase II Subsurface Investigation    |              |             |      |               |         |                  |         |
| TP3-5                                                         | 5            | 01/26/16    | 2.7  | ---           | ---     | ---              | ---     |
| TP3-10                                                        | 10           | 01/26/16    | 2.0  | ---           | ---     | ---              | ---     |
| TP3-12                                                        | 12           | 01/26/16    | 2.0  | ---           | ---     | ND<50            | ND<250  |
| TP3-15                                                        | 15           | 01/26/16    | 2.1  | ---           | ---     | ---              | ---     |
| TP4-5                                                         | 5            | 01/26/16    | 1.3  | ---           | ---     | ND<50            | ND<250  |
| TP4-10                                                        | 10           | 01/26/16    | 1.0  | ---           | ---     | ---              | ---     |
| TP4-12                                                        | 12           | 01/26/16    | 35   | ---           | ---     | 6,200            | ND<250  |
| TP4-15                                                        | 15           | 01/26/16    | 21   | ---           | ---     | ND<50            | ND<250  |
| MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses  |              |             |      | 2,000         |         | 2,000            |         |

**Table 1, Page 2 of 2. Summary of Soil Sample Analytical Laboratory Results****Proposed Marysville Retail****3710 116th Street Northeast, Marysville, Washington 98271****The Riley Group, Inc. Project No. 2015-165G**

| Sample Number                                                       | Sample Depth | Sample Date | PID | Diesel TPH    | Oil TPH | Diesel TPH       | Oil TPH |
|---------------------------------------------------------------------|--------------|-------------|-----|---------------|---------|------------------|---------|
|                                                                     |              |             |     | w/ Silica Gel |         | w/out Silica Gel |         |
| TP8-5                                                               | 5            | 01/26/16    | 1.1 | ---           | ---     | ---              | ---     |
| TP8-11                                                              | 11           | 01/26/16    | 0.7 | ---           | ---     | ND<50            | ND<250  |
| TP8-15                                                              | 15           | 01/26/16    | 0.5 | ---           | ---     | ---              | ---     |
| <b>MTCA Method A Soil Cleanup Levels for Unrestricted Land Uses</b> |              |             |     | <b>2,000</b>  |         | <b>2,000</b>     |         |

**Notes:**

All results and detection limits are given in milligrams per kilogram (mg/kg); equivalent to parts per million (ppm).

Sample Depth = Soil sample depth interval in feet below ground surface (bgs).

PID = Photoionization detector.

Diesel and Oil TPH (total petroleum hydrocarbons) determined using Northwest Test Method NWTPH-Dx with or without silica gel cleanup, as noted.

ND = Not detected at noted analytical detection limit.

---- = Not analyzed or not applicable.

Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses (WAC 173-340-900, Table 740-1).

**Bold** results indicated concentrations above laboratory detection limits.**Bold and yellow highlighted** results indicate concentrations (if any) that exceed MTCA Method A Soil Cleanup Levels.



**Table 2. Summary of Groundwater Sample Analytical Laboratory Results****Proposed Marysville Retail****3710 116th Street Northeast, Marysville, Washington 98271****The Riley Group, Inc. Project No. 2015-165G**

| Sample Number                                                                                                  | Sample Date | TOC Elevation                               | Depth to Water | Groundwater Elevation | Diesel TPH     | Oil TPH        |
|----------------------------------------------------------------------------------------------------------------|-------------|---------------------------------------------|----------------|-----------------------|----------------|----------------|
| <b>July and August 2016 Remediation - Groundwater Grab Samples from Excavation Following Dewatering Events</b> |             |                                             |                |                       |                |                |
| GW-Grab9                                                                                                       | 08/25/16    | ----                                        | 11             | ----                  | <b>360</b>     | ND<250         |
|                                                                                                                | 08/25/16    | Excavation Dewatering Event (2,404 gallons) |                |                       |                |                |
| GW-Grab8                                                                                                       | 08/11/16    | ----                                        | 11             | ----                  | <b>200</b>     | ND<300         |
|                                                                                                                | 08/02/16    | Excavation Dewatering Event (3,769 gallons) |                |                       |                |                |
| GW-Grab7                                                                                                       | 08/02/16    | ----                                        | 11             | ----                  | <b>480</b>     | ND<250         |
|                                                                                                                | 07/28/16    | Excavation Dewatering Event (3,884 gallons) |                |                       |                |                |
| GW-Grab6                                                                                                       | 07/28/16    | ----                                        | 11             | ----                  | <b>340</b>     | ND<325         |
|                                                                                                                | 07/25/16    | Excavation Dewatering Event (4,361 gallons) |                |                       |                |                |
| GW-Grab 5                                                                                                      | 07/25/16    | ----                                        | 11             | ----                  | <b>310</b>     | ND<350         |
|                                                                                                                | 07/20/16    | Excavation Dewatering Event (3,802 gallons) |                |                       |                |                |
| GW-Grab4                                                                                                       | 07/20/16    | ----                                        | 11             | ----                  | <b>580</b>     | ND<250         |
|                                                                                                                | 07/18/16    | Excavation Dewatering Event (5,112 gallons) |                |                       |                |                |
| GW-Grab3                                                                                                       | 07/18/16    | ----                                        | 11             | ----                  | <b>3,600</b>   | ND<250         |
|                                                                                                                | 07/15/16    | Excavation Dewatering Event (4,503 gallons) |                |                       |                |                |
| GW-Grab2                                                                                                       | 07/13/16    | ----                                        | 11             | ----                  | <b>8,800</b>   | <b>670x</b>    |
|                                                                                                                | 07/12/16    | Excavation Dewatering Event (1,000 gallons) |                |                       |                |                |
| GW-Grab1                                                                                                       | 07/12/16    | ----                                        | 11             | ----                  | <b>450,000</b> | <b>13,000x</b> |
| <b>April 2016 Supplemental Phase II Subsurface Investigation - Groundwater Monitoring Well Samples</b>         |             |                                             |                |                       |                |                |
| MW1                                                                                                            | 04/14/16    | 69.38                                       | 8.50           | 60.88                 | ND<50          | ND<250         |
| MW2                                                                                                            | 04/14/16    | 69.13                                       | 8.35           | 60.78                 | ND<50          | ND<250         |
| MW3                                                                                                            | 04/14/16    | 69.34                                       | 8.10           | 61.24                 | ND<50          | ND<250         |
| <b>January 2016 Preliminary Phase II Subsurface Investigation - Groundwater Grab Samples from Test Probes</b>  |             |                                             |                |                       |                |                |
| TP4-W                                                                                                          | 01/26/16    | ---                                         | 11             | ---                   | <b>9,500</b>   | <b>2,000x</b>  |
| TP8-W                                                                                                          | 01/26/16    | ---                                         | 11             | ---                   | <b>2,500</b>   | <b>690x</b>    |
| <b>MTCA Method A Cleanup Levels for Ground Water</b>                                                           |             |                                             |                |                       | <b>500</b>     | <b>500</b>     |

**Notes:**

Samples collected by RGI field staff using a peristaltic pump under low-flow conditions.

Depth to Water = Depth to water in feet below ground surface (bgs).

Unless otherwise noted, all analytical results are given in micrograms per liter (ug/L), equivalent to parts per billion (ppb).

Diesel and Oil TPH (total petroleum hydrocarbons) determined using Northwest Test Method NWTPH-Dx without silica gel cleanup.

Excavation dewatering and off-site treatment/disposal performed by vactor truck service provider.

ND = Not detected above the noted analytical detection limit.

---- = Not analyzed or not applicable.

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

TOC = Top of casing. TOC Elevations based on an arbitrary reference datum.

Washington State Department of Ecology (Ecology) Model Toxics Control Act (MTCA) Method A Cleanup Levels for Ground Water (WAC 173-340-900, Table 720-1).

**Bold and yellow highlighted** results indicate concentrations (if any) that exceed MTCA Method A Cleanup Levels for Ground Water.



Photograph 1: View of former residence located at 3710 116th Street Northeast following building demolition and heating oil AST location (looking east).



Photograph 2: View looking west-southwest at the residence basement during demolition. Chimney visible on the western side of building.



Corporate Office  
17522 Bothell Way Northeast  
Bothell, Washington 98011  
Phone: 425.415.0551  
Fax: 425.415.0311

#### Proposed Marysville Retail

RGI Project Number  
**2015-165G**

#### Site Photographs

Figure A-1

Date Drawn:  
**08/2016**

Address: 3710 116th Street Northeast, Marysville, Washington 98271





Photograph 3: View looking west at the basement's west wall during removal. Possible backfilled excavation (darker brown backfilled soils) visible just to the left (south) of chimney.



Photograph 4: View of heating oil AST in original location on the western side of former residence.



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#### Proposed Marysville Retail

RGI Project Number  
**2015-165G**

#### Site Photographs

Figure A-2

Date Drawn:  
**08/2016**

Address: 3710 116th Street Northeast, Marysville, Washington 98271





Photograph 5: Close up view of former heating oil AST with small pin holes in bottom of tank.



Photograph 6: View of remedial excavation limits (as of July 12, 2016) and excavation dewatering effort. Petroleum hydrocarbon (heating oil) sheen visible in photograph.



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#### Proposed Marysville Retail

RGI Project Number  
2015-165G

#### Site Photographs

Figure A-3

Date Drawn:  
08/2016

Address: 3710 116th Street Northeast, Marysville, Washington 98271





Photograph 7: View of remedial excavation just prior to excavation dewatering effort on July 15, 2016.



Photograph 8: View of remedial excavation following excavation dewatering effort on July 15, 2016.



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#### Proposed Marysville Retail

RGI Project Number  
**2015-165G**

#### Site Photographs

Figure A-4

Date Drawn:  
**08/2016**

Address: 3710 116th Street Northeast, Marysville, Washington 98271





Photograph 9: View of remedial excavation just prior to excavation dewatering effort on July 20, 2016. No visible petroleum hydrocarbon sheen visible during this, or subsequent dewatering events.



Photograph 10: View of remedial excavation following excavation dewatering effort on July 20, 2016.



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#### Proposed Marysville Retail

RGI Project Number  
**2015-165G**

#### Site Photographs

Figure A-5

Date Drawn:  
**08/2016**

Address: 3710 116th Street Northeast, Marysville, Washington 98271





Photograph 11: View of remedial excavation just prior to excavation dewatering effort on August 2, 2016.



Photograph 12: View of remedial excavation following excavation dewatering effort on August 2, 2016.



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#### Proposed Marysville Retail

RGI Project Number  
**2015-165G**

#### Site Photographs

Figure A-6

Date Drawn:  
**08/2016**

Address: 3710 116th Street Northeast, Marysville, Washington 98271

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

July 15, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on July 13, 2016 from the 2015-165G, F&BI 607168 project. There are 6 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0715R.DOC



# FRIEDMAN & BRUYA, INC.

---

## ENVIRONMENTAL CHEMISTS

### CASE NARRATIVE

This case narrative encompasses samples received on July 13, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G, F&BI 607168 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>The Riley Group</u> |
|----------------------|------------------------|
| 607168 -01           | GW-Grab 1              |
| 607168 -02           | Bottom 1               |
| 607168 -03           | Bottom 2               |
| 607168 -04           | GW-Grab 2              |
| 607168 -05           | North-Sidewall         |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/16  
Date Received: 07/13/16  
Project: 2015-165G, F&BI 607168  
Date Extracted: 07/13/16  
Date Analyzed: 07/13/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-Dx  
Sample Extracts Passed Through a  
Silica Gel Column Prior to Analysis  
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 <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (% Recovery)     |
|                             |                                     |                                     | (Limit 56-165)   |
| Bottom 1<br>607168-02       | <50                                 | <250                                | 117              |
| Bottom 2<br>607168-03       | 3,100                               | <250                                | 122              |
| North-Sidewall<br>607168-05 | <50                                 | <250                                | 117              |
| Method Blank<br>06-1413 MB  | <50                                 | <250                                | 121              |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/16  
Date Received: 07/13/16  
Project: 2015-165G, F&BI 607168  
Date Extracted: 07/13/16  
Date Analyzed: 07/13/16

**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>            | <u>Diesel Range</u>                 | <u>Motor Oil Range</u>              | <u>Surrogate</u><br><u>(% Recovery)</u> |
|-----------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|
| Laboratory ID               | (C <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (Limit 41-152)                          |
| GW-Grab 1<br>607168-01 1/10 | 450,000                             | 13,000 x                            | ip                                      |
| GW-Grab 2<br>607168-04      | 8,800                               | 670 x                               | 137                                     |
| Method Blank<br>06-1411 MB  | <50                                 | <250                                | 109                                     |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/16

Date Received: 07/13/16

Project: 2015-165G, F&BI 607168

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

Laboratory Code: 607168-02 (Matrix Spike) Silica Gel

| Analyte         | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet Wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | <50                          | 99                        | 102                        | 63-146                 | 3                 |

Laboratory Code: Laboratory Control Sample Silica Gel

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|-----------------|--------------------|----------------|----------------------------|------------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | 104                        | 79-144                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/15/16

Date Received: 07/13/16

Project: 2015-165G, F&BI 607168

**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<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 85                         | 92                          | 63-142                 | 8                 |

**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.

607168

## SAMPLE CHAIN OF CUSTODY

ME 07/13/16

COS

Send Report To Tamara Welty  
 Company The Riley Group Inc.  
 Address 17522 Bothell Way NE  
 City, State, ZIP Bothell WA 98011  
 Phone # 425-415-0551 Fax # \_\_\_\_\_

SAMPLERS (signature)

PROJECT NAME/NO.

2015-1656

PO#

REMARKS

\* silica gel on soils per TW 7/13/16 AC

Page # 1 of 1

## TURNAROUND TIME

☐ Standard (2 Weeks)☒ RUSH

Rush charges authorized by \_\_\_\_\_

## SAMPLE DISPOSAL

☒ Dispose after 30 days☐ Return samples☐ Will call with instructions

| Sample ID      | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED |              |               |              |               |     |  |  |  |  |  |  | Notes |
|----------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|--|--|-------|
|                |        |              |              |             |                 | TPH-Diesel         | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS |  |  |  |  |  |  |       |
| GW-Grab1       | 01     | 7/12/16      | 10:00        | water       | 1               | X                  |              |               |              |               |     |  |  |  |  |  |  |       |
| Bottom 1       | 02     | "            | 13:30        | soil        | 1               | X                  |              |               |              |               |     |  |  |  |  |  |  |       |
| Bottom 2       | 03     | "            | 13:45        | "           | 1               | X                  |              |               |              |               |     |  |  |  |  |  |  |       |
| GW-Grab2       | 04     | 7/13/16      | 9:00         | water       | 1               | X                  |              |               |              |               |     |  |  |  |  |  |  |       |
| North-Sidewall | 05     | "            | 9:30         | soil        | 1               | X                  |              |               |              |               |     |  |  |  |  |  |  |       |
|                |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|                |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|                |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|                |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|                |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|                |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |

Friedman & Bruya, Inc.  
 3012 16th Avenue West

Seattle, WA 98119-2029

Ph. (206) 285-8282

Fax (206) 283-5044

FORMS\COC\COC.DOC

| SIGNATURE                            | PRINT NAME          | COMPANY                         | DATE           | TIME         |
|--------------------------------------|---------------------|---------------------------------|----------------|--------------|
| Relinquished by: <u>Tamara Welty</u> | <u>Tamara Welty</u> | <u>RGI</u>                      | <u>7/13/16</u> | <u>10:00</u> |
| Received by: <u>[Signature]</u>      | <u>VINT</u>         | <u>FBI</u>                      | <u>7/13/16</u> | <u>10:00</u> |
| Relinquished by: _____               | _____               | _____                           | _____          | _____        |
| Received by: _____                   | _____               | Samples received at <u>4</u> °C |                |              |

FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

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

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

July 20, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on July 14, 2016 from the 2015-165G, F&BI 607203 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0720R.DOC



# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

### CASE NARRATIVE

This case narrative encompasses samples received on July 14, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G, F&BI 607203 project. Samples were logged in under the laboratory ID's listed below.

| <u>Laboratory ID</u> | <u>The Riley Group</u> |
|----------------------|------------------------|
| 607203 -01           | West-Sidewall          |
| 607203 -02           | Bottom 3               |
| 607203 -03           | East-Sidewall          |
| 607203 -04           | South-Sidewall         |
| 607203 -05           | Bottom 4               |
| 607203 -06           | Southwest-Sidewall     |
| 607203 -07           | Bottom 5               |
| 607203 -08           | Bottom 6               |
| 607203 -09           | Stockpile 1            |
| 607203 -10           | Stockpile 2            |
| 607203 -11           | Stockpile 3            |

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/20/16  
Date Received: 07/14/16  
Project: 2015-165G, F&BI 607203  
Date Extracted: 07/14/16  
Date Analyzed: 07/14/16

**RESULTS FROM THE ANALYSIS OF SOIL SAMPLES  
FOR TOTAL PETROLEUM HYDROCARBONS AS  
DIESEL AND MOTOR OIL  
USING METHOD NWTPH-Dx  
Sample Extracts Passed Through a  
Silica Gel Column Prior to Analysis  
Results Reported on a Dry Weight Basis  
Results Reported as mg/kg (ppm)**

| <u>Sample ID</u><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | <u>Surrogate</u><br><u>(% Recovery)</u><br>(Limit 48-168) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|
| West-Sidewall<br>607203-01        | <50                                                        | <250                                                          | 115                                                       |
| Bottom 3<br>607203-02             | 85                                                         | <250                                                          | 121                                                       |
| East-Sidewall<br>607203-03        | <50                                                        | <250                                                          | 114                                                       |
| South-Sidewall<br>607203-04       | <50                                                        | <250                                                          | 111                                                       |
| Bottom 4<br>607203-05             | <50                                                        | <250                                                          | 122                                                       |
| Southwest-Sidewall<br>607203-06   | <50                                                        | <250                                                          | 114                                                       |
| Bottom 5<br>607203-07             | <50                                                        | <250                                                          | 124                                                       |
| Bottom 6<br>607203-08             | <50                                                        | <250                                                          | 135                                                       |
| Stockpile 1<br>607203-09          | <50                                                        | <250                                                          | 127                                                       |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/20/16

Date Received: 07/14/16

Project: 2015-165G, F&BI 607203

Date Extracted: 07/14/16

Date Analyzed: 07/14/16

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

**Sample Extracts Passed Through a  
Silica Gel Column Prior to Analysis**

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 <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (% Recovery)     |
|                             |                                     |                                     | (Limit 48-168)   |
| Stockpile 2<br>607203-10    | <50                                 | <250                                | 123              |
| Stockpile 3<br>607203-11    | <50                                 | <250                                | 127              |
| Method Blank<br>06-1413 MB2 | <50                                 | <250                                | 112              |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/20/16

Date Received: 07/14/16

Project: 2015-165G, F&BI 607203

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

Laboratory Code: 607168-02 (Matrix Spike) Silica Gel

| Analyte         | Reporting<br>Units | Spike<br>Level | Sample<br>Result<br>(Wet Wt) | Percent<br>Recovery<br>MS | Percent<br>Recovery<br>MSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|------------------------------|---------------------------|----------------------------|------------------------|-------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | <50                          | 99                        | 102                        | 63-146                 | 3                 |

Laboratory Code: Laboratory Control Sample Silica Gel

| Analyte         | Reporting<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Acceptance<br>Criteria |
|-----------------|--------------------|----------------|----------------------------|------------------------|
| Diesel Extended | mg/kg (ppm)        | 5,000          | 104                        | 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.

607203 607203

## SAMPLE CHAIN OF CUSTODY ME 07-14-16

003

Send Report To Tamara Welty  
 Company The Riley Group Inc.  
 Address 17522 Bothell Way NE  
 City, State, ZIP Bothell WA 98011  
 Phone # 425-415-0551 Fax # \_\_\_\_\_

|                                          |     |
|------------------------------------------|-----|
| SAMPLERS (signature) <u>Tamara Welty</u> |     |
| PROJECT NAME/NO.<br><u>2015-1656</u>     | PO# |
| REMARKS                                  |     |

Page # 1 of 2

|                                                           |  |
|-----------------------------------------------------------|--|
| TURNAROUND TIME                                           |  |
| <input type="checkbox"/> Standard (2 Weeks)               |  |
| <input checked="" type="checkbox"/> RUSH                  |  |
| Rush charges authorized by _____                          |  |
| SAMPLE DISPOSAL                                           |  |
| <input checked="" type="checkbox"/> Dispose after 30 days |  |
| <input type="checkbox"/> Return samples                   |  |
| <input type="checkbox"/> Will call with instructions      |  |

| Sample ID          | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED |              |               |              |               |     |  |  |  |  |  |  | Notes                           |
|--------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|--|--|---------------------------------|
|                    |        |              |              |             |                 | TPH-Diesel         | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS |  |  |  |  |  |  |                                 |
| West-Sidewall      | 01     | 7/13/16      | 10:15        | Soil        | 1               | X                  |              |               |              |               |     |  |  |  |  |  |  | silica gel                      |
| Bottom 3           | 02     | "            | 11:00        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  | cleanup for                     |
| East-Sidewall      | 03     | "            | 11:45        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  | all soil                        |
| South-Sidewall     | 04     | "            | 12:45        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  | Samples, Not                    |
| Bottom 4           | 05     | "            | 14:00        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  | Waters                          |
| Southwest-Sidewall | 06     | "            | 14:30        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  |                                 |
| Bottom 5           | 07     | "            | 14:45        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  |                                 |
| Bottom 6           | 08     | "            | 15:15        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  |                                 |
| Stockpile 1        | 09     | "            | 15:30        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  | Samples received at <u>5</u> °C |
| Stockpile 2        | 10     | "            | 15:35        | "           | "               | X                  |              |               |              |               |     |  |  |  |  |  |  |                                 |

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

| SIGNATURE                             | PRINT NAME               | COMPANY        | DATE           | TIME        |
|---------------------------------------|--------------------------|----------------|----------------|-------------|
| Relinquished by: <u>Tamara Welty</u>  | <u>Tamara Welty</u>      | <u>RGI</u>     | <u>7/14/16</u> | <u>9:25</u> |
| Received by: <u>Bill Gleason</u>      | <u>Bill Gleason</u>      | <u>Fed Ex</u>  | <u>7/14/16</u> | <u>9:25</u> |
| Relinquished by: _____                | _____                    | _____          | _____          | _____       |
| Received by: <u>Elizabeth Radford</u> | <u>Elizabeth Radford</u> | <u>F&amp;B</u> | <u>7/14/16</u> | <u>10:3</u> |

$\cos^2$ 

Phone # \_\_\_\_\_ Fax # \_\_\_\_\_

REMARKS

Rush charges authorized by

☐ Will call with instructions

| SIGNATURE                           | PRINT NAME               | COMPANY        | DATE | TIME         |
|-------------------------------------|--------------------------|----------------|------|--------------|
| Relinquished by:                    |                          |                |      |              |
| Received by:                        |                          |                |      |              |
| Relinquished by:                    |                          |                |      |              |
| Received by: <i>Guadalupe Lopez</i> | <i>Elizabeth Radford</i> | <i>F&amp;B</i> |      | <i>10:30</i> |

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

July 21, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on July 19, 2016 from the 2015-165G, F&BI 607282 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0721R.DOC



FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 19, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G, F&BI 607282 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID  
607282 -01

The Riley Group  
GW-Grab3

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/21/16  
Date Received: 07/19/16  
Project: 2015-165G, F&BI 607282  
Date Extracted: 07/19/16  
Date Analyzed: 07/19/16

**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>            | <u>Diesel Range</u>                 | <u>Motor Oil Range</u>              | <u>Surrogate</u> |
|-----------------------------|-------------------------------------|-------------------------------------|------------------|
| Laboratory ID               | (C <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (% Recovery)     |
|                             |                                     |                                     | (Limit 51-134)   |
| GW-Grab3<br>607282-01       | 3,600                               | <250                                | 68               |
| Method Blank<br>06-1449 MB2 | <50                                 | <250                                | 79               |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/21/16

Date Received: 07/19/16

Project: 2015-165G, F&BI 607282

**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<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 83                         | 81                          | 58-134                 | 2                 |

**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.

Send Report To Tamara Welty  
Company The Riley Group Inc.  
Address 17522 Bothell Way NE  
City, State, ZIP Bothell WA 98011  
Phone # 425-415-0551 Fax # 0551

ME 07-19-16

Page # 1 of

Do 3

**SAMPLERS** (*signature*)

PROJECT NAME/NO.

PO #

2015-1656

REMARKS

## TURNAROUND TIME

### Standard (2 Weeks)

(RUSH) 7/19/16 TW.

Rush charges authorized by:

## SAMPLE DISPOSAL

Dispose after 30 days

Return samples

Will call with instructions

| Sample ID | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED |              |               |              |               |     |  |  |  |  |  |  | Notes |
|-----------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|--|--|-------|
|           |        |              |              |             |                 | TPH-Diesel         | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS |  |  |  |  |  |  |       |
| GW-Grab 3 | 01     | 7/18/16      | 13:45        | water       | 1               | X                  |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |
|           |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |  |  |       |

Samples received at 4 °C

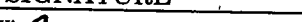

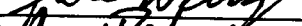
*Friedman & Bruya, Inc.*  
3012 16th Avenue West

**Seattle, WA 98119-2029**

*Ph. (206) 285-8282*

***Fax (206) 283-5044***

FORMS\COC\COC.DOC

| SIGNATURE                                                                                            | PRINT NAME        | COMPANY | DATE    | TIME    |
|------------------------------------------------------------------------------------------------------|-------------------|---------|---------|---------|
| Relinquished by:  | Tamara Welty      | RGI     | 7/19/16 | 9:23    |
| Received by:      | Camille Patterson | Fedex   | 7/18/16 | 9:23am  |
| Relinquished by:                                                                                     |                   |         |         |         |
| Received by:      | Michael Erdich    | FRB     | 7/19/16 | 11:05AM |

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

July 25, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on July 21, 2016 from the 2015-165G, F&BI 607351 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0725R.DOC

FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 21, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G, F&BI 607351 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID  
607351 -01

The Riley Group  
GW-Grab4

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/25/16  
Date Received: 07/21/16  
Project: 2015-165G, F&BI 607351  
Date Extracted: 07/21/16  
Date Analyzed: 07/21/16

**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>           | <u>Diesel Range</u>                 | <u>Motor Oil Range</u>              | <u>Surrogate</u><br><u>(% Recovery)</u> |
|----------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|
| Laboratory ID              | (C <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (Limit 41-152)                          |
| GW-Grab4<br>607351-01      | 580                                 | <250                                | 80                                      |
| Method Blank<br>06-1469 MB | <50                                 | <250                                | 94                                      |



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/25/16

Date Received: 07/21/16

Project: 2015-165G, F&BI 607351

**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<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 75                         | 86                          | 63-142                 | 14                |

**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.

204

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

[illegible]

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

July 28, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on July 26, 2016 from the 2015-165G, F&BI 607430 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0728R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 26, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G, F&BI 607430 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID  
607430 -01

The Riley Group  
GW-Grab 5

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16  
Date Received: 07/26/16  
Project: 2015-165G, F&BI 607430  
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> | <u>Diesel Range</u>                 | <u>Motor Oil Range</u>              | <u>Surrogate</u> |
|------------------|-------------------------------------|-------------------------------------|------------------|
| Laboratory ID    | (C <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (% Recovery)     |
|                  |                                     |                                     | (Limit 47-140)   |
| GW-Grab 5        | 310                                 | <350                                | 98               |
| 607430-01 1/1.4  |                                     |                                     |                  |
| Method Blank     | <50                                 | <250                                | 83               |
| 06-1508 MB2      |                                     |                                     |                  |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 07/28/16

Date Received: 07/26/16

Project: 2015-165G, F&BI 607430

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

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.



1015

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 2, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on July 28, 2016 from the 2015-165G, F&BI 607495 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0802R.DOC

FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on July 28, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G, F&BI 607495 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID  
607495 -01

The Riley Group  
GW-Grab6

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/16  
Date Received: 07/28/16  
Project: 2015-165G, F&BI 607495  
Date Extracted: 07/29/16  
Date Analyzed: 07/29/16

**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><br>Laboratory ID | <u>Diesel Range</u><br>(C <sub>10</sub> -C <sub>25</sub> ) | <u>Motor Oil Range</u><br>(C <sub>25</sub> -C <sub>36</sub> ) | <u>Surrogate</u><br>(% Recovery)<br>(Limit 47-140) |
|-----------------------------------|------------------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------|
| GW-Grab6<br>607495-01 1/1.3       | 340                                                        | <325                                                          | 96                                                 |
| Method Blank<br>06-1552 MB        | <50                                                        | <250                                                          | 86                                                 |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/02/16

Date Received: 07/28/16

Project: 2015-165G, F&BI 607495

**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<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 119                        | 118                         | 61-133                 | 1                 |

**Data Qualifiers & Definitions**

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

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f - The sample was laboratory filtered prior to analysis.

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

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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.

Report To The Riley Group Inc.

Company Tamara Welty

Address 17522 Bothwell Way NE

City, State, ZIP Bothell WA 98011

Phone 425-415-0551 Email twelty@riley-group.com

SAMPLERS (signature)

PROJECT NAME

2015-16 SG

REMARKS

PO #

INVOICE TO

Page # 1 of 1

## TURNAROUND TIME

### □ Standard Turnaround

~~X~~RUSH 24 hr.

Rush charges authorized by:

## SAMPLE DISPOSAL

☒ Dispose after 30 days

☐ Archive Samples

☐ Other

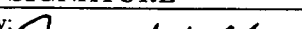

|           |        |              |              |             |           | ANALYSES REQUESTED |            |              |               |               |                |                |  |  |  |  |       |  |
|-----------|--------|--------------|--------------|-------------|-----------|--------------------|------------|--------------|---------------|---------------|----------------|----------------|--|--|--|--|-------|--|
| 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 |  |
| GW-Grab6  | 01     | 7/28/16      | 10:00        | Water       | 1         |                    | X          |              |               |               |                |                |  |  |  |  |       |  |
|           |        |              |              |             |           |                    |            |              |               |               |                |                |  |  |  |  |       |  |
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|           |        |              |              |             |           |                    |            |              |               |               |                |                |  |  |  |  |       |  |

*Friedman & Bruya, Inc.*

3012 16<sup>th</sup> Avenue West

Seattle, WA 98119-2029

*Ph. (206) 285-8282*

| SIGNATURE                                                                                            | PRINT NAME   | COMPANY | DATE    | TIME |
|------------------------------------------------------------------------------------------------------|--------------|---------|---------|------|
| Relinquished by:  | Tamara Welty | RGI     | 7/28/16 | 2:00 |
| Received by:      | VIN A        | FBI     | 7/28/16 | 2:00 |
| 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

August 5, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on August 3, 2016 from the 2015-165G, F&BI 608044 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0805R.DOC



FRIEDMAN & BRUYA, INC.

---

ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 3, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID  
608044 -01

The Riley Group  
GW-Grab7

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/05/16

Date Received: 08/03/16

Project: 2015-165G, F&BI 608044

Date Extracted: 08/03/16

Date Analyzed: 08/03/16

**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>            | <u>Diesel Range</u>                 | <u>Motor Oil Range</u>              | <u>Surrogate</u><br><u>(% Recovery)</u> |
|-----------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|
| Laboratory ID               | (C <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (Limit 41-152)                          |
| GW-Grab7<br>608044-01       | 480                                 | <250                                | 142                                     |
| Method Blank<br>06-1564 MB2 | <50                                 | <250                                | 96                                      |

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/05/16

Date Received: 08/03/16

Project: 2015-165G, F&BI 608044

**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<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 87                         | 88                          | 63-142                 | 1                 |

**Data Qualifiers & Definitions**

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

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

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

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

cf - The sample was centrifuged prior to analysis.

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

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

f - The sample was laboratory filtered prior to analysis.

fb - The analyte was detected in the method blank.

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

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

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

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

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

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

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

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

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

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

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

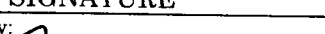


nm - The analyte was not detected in one or more of the duplicate analyses. Therefore, calculation of the RPD is not applicable.

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

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

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

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

| SIGNATURE                                                                                            | PRINT NAME   | COMPANY | DATE   | TIME    |
|------------------------------------------------------------------------------------------------------|--------------|---------|--------|---------|
| Relinquished by:  | Tamara Welty | RGI     | 8/3/16 | 9:05 AM |
| Received by:      | JASON STALEY | FedEx   | 8-3-16 | 9:05 AM |
| Relinquished by:                                                                                     |              |         |        |         |
| Received by:      | HONG NGUYEN  | FBI     | 8/3/16 | 10:35   |

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 16, 2016

Tamara Welty, Project Manager  
The Riley Group, Inc.  
17522 Bothell Way NE  
Bothell, WA 98011

Dear Ms Welty:

Included are the results from the testing of material submitted on August 11, 2016 from the 2015-165G, F&BI 608213 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 have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Michael Erdahl  
Project Manager

Enclosures  
TRG0816R.DOC

FRIEDMAN & BRUYA, INC.

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ENVIRONMENTAL CHEMISTS

CASE NARRATIVE

This case narrative encompasses samples received on August 11, 2016 by Friedman & Bruya, Inc. from the The Riley Group 2015-165G, F&BI 608213 project. Samples were logged in under the laboratory ID's listed below.

Laboratory ID  
608213 -01

The Riley Group  
GW-Grab8

All quality control requirements were acceptable.

FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/16/16  
Date Received: 08/11/16  
Project: 2015-165G, F&BI 608213  
Date Extracted: 08/12/16  
Date Analyzed: 08/12/16

**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>            | <u>Diesel Range</u>                 | <u>Motor Oil Range</u>              | <u>Surrogate</u><br><u>(% Recovery)</u> |
|-----------------------------|-------------------------------------|-------------------------------------|-----------------------------------------|
| Laboratory ID               | (C <sub>10</sub> -C <sub>25</sub> ) | (C <sub>25</sub> -C <sub>36</sub> ) | (Limit 41-152)                          |
| GW-Grab8<br>608213-01 1/1.2 | 200                                 | <300                                | 109                                     |
| Method Blank<br>06-1651 MB  | <50                                 | <250                                | 82                                      |



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

Date of Report: 08/16/16

Date Received: 08/11/16

Project: 2015-165G, F&BI 608213

**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<br>Units | Spike<br>Level | Percent<br>Recovery<br>LCS | Percent<br>Recovery<br>LCSD | Acceptance<br>Criteria | RPD<br>(Limit 20) |
|-----------------|--------------------|----------------|----------------------------|-----------------------------|------------------------|-------------------|
| Diesel Extended | ug/L (ppb)         | 2,500          | 96                         | 93                          | 63-142                 | 3                 |

**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.

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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.

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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.

608213

## SAMPLE CHAIN OF CUSTODY

ME 08/11/16

E04

Send Report To Tamara Welty  
 Company The Riley Group Inc.  
 Address 17522 Bothell Way NE  
 City, State, ZIP Bothell WA 98011  
 Phone # 425-415-0551 Fax # \_\_\_\_\_

|                                          |            |
|------------------------------------------|------------|
| SAMPLERS (signature) <u>Tamara Welty</u> |            |
| PROJECT NAME/NO. <u>2015-165G</u>        | PO # _____ |
| REMARKS _____                            |            |

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| Page # <u>1</u> of <u>1</u>                                                                       |
| TURNAROUND TIME<br>Standard (2 Weeks)<br><u>RUSH 24 hour</u><br>Rush charges authorized by: _____ |
| SAMPLE DISPOSAL<br><u>Dispose after 30 days</u><br>Return samples<br>Will call with instructions  |

| Sample ID                       | Lab ID | Date Sampled | Time Sampled | Sample Type | # of containers | ANALYSES REQUESTED |              |               |              |               |     |  |  |  |  | Notes |
|---------------------------------|--------|--------------|--------------|-------------|-----------------|--------------------|--------------|---------------|--------------|---------------|-----|--|--|--|--|-------|
|                                 |        |              |              |             |                 | TPH-Diesel         | TPH-Gasoline | BTEX by 8021B | VOCs by 8260 | SVOCs by 8270 | HFS |  |  |  |  |       |
| GW-Grab8                        | 01     | 8/11/16      | 11:30        | water       | 1               | X                  |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
|                                 |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |
| Samples received at <u>4</u> °C |        |              |              |             |                 |                    |              |               |              |               |     |  |  |  |  |       |

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

Fax (206) 283-5044

FORMS\COC\COC.DOC

| SIGNATURE                            | PRINT NAME          | COMPANY       | DATE           | TIME          |
|--------------------------------------|---------------------|---------------|----------------|---------------|
| Relinquished by: <u>Tamara Welty</u> | <u>Tamara Welty</u> | <u>RGI</u>    | <u>8/11/16</u> | <u>1:24pm</u> |
| Received by: <u>WES HERRING</u>      | <u>WES HERRING</u>  | <u>Fed Ex</u> | <u>8/11/16</u> | <u>1:24pm</u> |
| Relinquished by: _____               | _____               | _____         | _____          | _____         |
| Received by: <u>Nhan Phan</u>        | <u>Nhan Phan</u>    | <u>FEBI</u>   | <u>8/11/16</u> | <u>1430</u>   |



## Ticket List By Customer\Order\Product



Date From 07/01/2016 To 07/25/2016  
Location(s) 1876  
Order: 41068240

| Date                                                          | TicketNo   | Delivery Address | Vehicle                | TimeIn   | TicketTime | Qty   | Unit | S<br>h<br>i<br>p | C<br>a<br>s<br>h | V<br>o<br>i<br>d |
|---------------------------------------------------------------|------------|------------------|------------------------|----------|------------|-------|------|------------------|------------------|------------------|
| Scale Tickets<br>SERJ DEVELOPMENTS LLC<br>41068240<br>1192508 |            |                  |                        |          |            |       |      |                  |                  |                  |
| 7/12/16                                                       | 1876087409 | P: 2015-165G     | 1875-4,EVERETT GENERIC | 9:02:00  | 9:22:00    | 14.26 | TON  | R                |                  |                  |
| 7/12/16                                                       | 1876087411 | P: 2015-165G     | 1875-4,EVERETT GENERIC | 0:00:00  | 10:39:00   | 15.01 | TON  |                  |                  |                  |
| 7/12/16                                                       | 1876087414 | P: 2015-165G     | 1875-4,EVERETT GENERIC | 0:00:00  | 12:12:00   | 15.91 | TON  |                  |                  |                  |
| 7/12/16                                                       | 1876087417 | P: 2015-165G     | 1875-4,EVERETT GENERIC | 0:00:00  | 14:15:00   | 12.87 | TON  |                  |                  |                  |
| 7/13/16                                                       | 1876087424 | P: 2015-165G     | ABH1T,ABH TRUCKING     | 11:08:00 | 11:20:00   | 12.59 | TON  | R                |                  |                  |
| 7/13/16                                                       | 1876087428 | P: 2015-165G     | ABH1T,ABH TRUCKING     | 0:00:00  | 12:38:00   | 14.77 | TON  |                  |                  |                  |
| 7/13/16                                                       | 1876087436 | P: 2015-165G     | ABH1T,ABH TRUCKING     | 0:00:00  | 14:25:00   | 13.94 | TON  |                  |                  |                  |
| 7/15/16                                                       | 1876087461 | P: 2015-165G     | ABH1T,ABH TRUCKING     | 13:55:00 | 14:06:00   | 14.56 | TON  | R                |                  |                  |
| 7/15/16                                                       | 1876087462 | P: 2015-165G     | ABH1T,ABH TRUCKING     | 0:00:00  | 15:32:00   | 14.18 | TON  |                  |                  |                  |
| Product Totals                                                |            |                  |                        |          |            | 9     |      |                  |                  |                  |
| Order Totals                                                  |            |                  |                        |          |            | 9     |      |                  |                  |                  |
| Customer Totals                                               |            |                  |                        |          |            | 9     |      |                  |                  |                  |
| Grand Total                                                   |            |                  |                        |          |            | 9     |      |                  |                  |                  |
|                                                               |            |                  |                        |          |            |       | Qty  | 128.09           | TON              |                  |

NOTICE: Shippers of hazardous materials must enter 24-hour emergency response telephone number under "Emergency Response Phone Number."

Shipper No. \_\_\_\_\_

Response Phone Number: \_\_\_\_\_ Shipper No. \_\_\_\_\_  
 Mechanized Cleaning Solutions Carrier No. \_\_\_\_\_  
 (Name of Carrier)

|                                |              |                                  |                                 |
|--------------------------------|--------------|----------------------------------|---------------------------------|
| TO: Consignee <u>Mar Vac</u>   |              | FROM: Shipper <u>Riley Group</u> |                                 |
| Street <u>1516 S Graham ST</u> |              | Street <u>3710 116th ST NE</u>   |                                 |
| Destination                    | Zip Code     | Origin <u>Marysville, WA</u>     | Zip Code                        |
| Route:                         | Vehicle No.: | SCAC                             | Emergency Response Phone Number |

[illegible]

\*If the shipment moves between two ports by a carrier by water, the law requires that the bill of lading state whether weight is "carrier's or shipper's weight".

REMIT  
C.O.D. TO:  
ADDRESS

C.O.D.

| Amt. \$ |       |
|---------|-------|
| 100     | 100   |
| 200     | 200   |
| 300     | 300   |
| 400     | 400   |
| 500     | 500   |
| 600     | 600   |
| 700     | 700   |
| 800     | 800   |
| 900     | 900   |
| 1000    | 1000  |
| 1100    | 1100  |
| 1200    | 1200  |
| 1300    | 1300  |
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| 2000    | 2000  |
| 2100    | 2100  |
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| 4200    | 4200  |
| 4300    | 4300  |
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| 4600    | 4600  |
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| 5000    | 5000  |
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| 7900    | 7900  |
| 8000    | 8000  |
| 8100    | 8100  |
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| 8300    | 8300  |
| 8400    | 8400  |
| 8500    | 8500  |
| 8600    | 8600  |
| 8700    | 8700  |
| 8800    | 8800  |
| 8900    | 8900  |
| 9000    | 9000  |
| 9100    | 9100  |
| 9200    | 9200  |
| 9300    | 9300  |
| 9400    | 9400  |
| 9500    | 9500  |
| 9600    | 9600  |
| 9700    | 9700  |
| 9800    | 9800  |
| 9900    | 9900  |
| 10000   | 10000 |

C.O.D. FEE:

PREPAID ☐  
COLLECT ☐ \$

TOTAL

CHARGES: \$

Note-Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property.

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding \_\_\_\_\_

\$ \_\_\_\_\_ per \_\_\_\_\_

Subject to Section 7 of the conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement.

The carrier shall not make delivery of this shipment without payment of freight and all other charges.

(Signature of Consignor)

FREIGHT CHARGES

Check Appropriate Box:

☐ Freight prepaid☐ Collect

RECEIVED, subject to the classifications and lawfully filed tariffs in effect on the date of the issue of this Bill of Lading, the property described above in apparent good order, except as noted [contents and condition of contents of packages (unknown), marked, consigned, and destined as indicated above which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation engaged in the transportation of property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of, said property over all or any portion of said route to destination and as to each party at any time interested in all or any of said property, that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Uniform Freight Classifications in effect on the date hereof, if this is a rail or a rail-water shipment or (2) in the applicable motor carrier classification or tariff, if this is a motor carrier shipment. Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading, set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns.

Mark with "RG" if appropriate to designate Hazardous Materials as defined in the U.S. Department of Transportation Regulations governing the transportation of hazardous materials. The use of this column is an optional method for identifying hazardous materials on Bills of Lading per 172.204(a)(1)(ii) of Title 49 Code of Federal Regulations. Also when shipping hazardous materials, the shipper's certification statement prescribed in section 172.204(a) of the Federal Regulations, as indicated on the Bill of Lading does apply, unless a specific exception from the requirement is provided in the Regulation for a particular material.

The format and content of hazardous item list is the responsibility of individual company interpretation of requirements as described in 49 Code of Federal Regulations 172, Subpart C-Shipping Papers. Such description consists of the following per Sections 172.201 (Hazardous Material Table) and Sections 172.202 and 172.203: Proper shipping name, hazardous class, UN identification number, packing group, and subsidiary class(es).

Note: Liability limitation for loss or damage in this shipment may be applicable. See 49 United States Code, Sections 14706(c)(1)(A) and (B).

|         |             |         |            |
|---------|-------------|---------|------------|
| SHIPPER | Biley Group | CARRIER | Mech & Jar |
| PER     | Y. J. Nolt  | PER     | Ben Thorne |

2

This is to certify that the above named materials are properly classified, packaged, marked, and labeled, and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation.

Carrier acknowledges receipt of packages and any required placards. Carrier certifies emergency response information was made available and/or carrier has the U.S. Department of Transportation emergency response guidebook or equivalent documentation in the vehicle. Property described above is received in good order, except as noted.



## SHIPPING PAPER

Nº 2991

WASHINGTON MARINE CLEANING, LLC  
Tank • Chemical • Mechanical

Riley Group// 22944

|                                                     |  |                               |  |
|-----------------------------------------------------|--|-------------------------------|--|
| DELIVERY DATE<br>7/6/16                             |  | W/O #<br>16-1306              |  |
| SHIPPER / CUSTOMER<br>Marine Vacuum Service         |  | POINT OF CONTACT<br>Tom Myler |  |
| ADDRESS<br>3710 116th Street NE                     |  | PHONE #<br>(206) 953-3908     |  |
| CITY, STATE, ZIP<br>Marysville, WA 98271            |  |                               |  |
| CARRIER / TRANSPORTER<br>Washington Marine Cleaning |  | PHONE #<br>(425) 317-8298     |  |
| CONSIGNEE / FACILITY                                |  | POINT OF CONTACT              |  |
| ADDRESS                                             |  | PHONE #                       |  |
| CITY, STATE, ZIP                                    |  |                               |  |

| HM | US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | Containers |      | Total Quantity | UOM |
|----|----------------------------------------------------------------------------------|------------|------|----------------|-----|
|    |                                                                                  | No.        | Type |                |     |
| A  | Material not regulated by DOT                                                    | 001        | TT   | 4503 gal       | T   |
| B  |                                                                                  |            |      |                |     |
| C  |                                                                                  |            |      |                |     |
| D  |                                                                                  |            |      |                |     |

Special Handling Instruction and Additional Information:

Placards Provided YES \_\_\_\_\_ NO \_\_\_\_\_

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

|                                                             |                            |            |           |            |
|-------------------------------------------------------------|----------------------------|------------|-----------|------------|
| (SHIPPER) PRINT OR TYPE NAME<br>X                           | SIGNATURE<br>X             | MONTH      | DAY       | YEAR       |
| (CARRIER/TRANSPORTER) PRINT OR TYPE NAME<br>X Justin Lertan | SIGNATURE<br>X [Signature] | MONTH<br>7 | DAY<br>15 | YEAR<br>16 |
| (CONSIGNEE/FACILITY) PRINT OR TYPE NAME<br>X Tamara Welty   | SIGNATURE<br>X [Signature] | MONTH<br>7 | DAY<br>15 | YEAR<br>16 |

3430 16th Street • Everett, WA 98201 • Phone (425) 317-8298 • [www.washingtonmarinecleaning.com](http://www.washingtonmarinecleaning.com)

White: Carrier Yellow: Consignee Pink: Shipper





## SHIPPING PAPER

Nº 3050

WASHINGTON MARINE CLEANING, LLC  
Tank • Chemical • Mechanical

|                                                            |  |                                   |                           |
|------------------------------------------------------------|--|-----------------------------------|---------------------------|
| SHIPPER / CUSTOMER<br><b>Riley Group</b>                   |  | DELIVERY DATE<br><b>7/18/16</b>   | W/O #<br><b>Job 22944</b> |
| ADDRESS<br><b>3710 116th Street NE</b>                     |  | POINT OF CONTACT<br><b>Tamara</b> |                           |
| CITY, STATE, ZIP<br><b>Marysville, WA 98271</b>            |  | PHONE #<br><b>(206) 850-2887</b>  |                           |
| CARRIER / TRANSPORTER<br><b>Washington Marine Cleaning</b> |  | PHONE #<br><b>(425) 317-8298</b>  |                           |
| CONSIGNEE / FACILITY<br><b>Marine Vacuum Service</b>       |  | POINT OF CONTACT                  |                           |
| ADDRESS<br><b>1516 S. Graham Street</b>                    |  | PHONE #<br><b>(206) 762-0240</b>  |                           |
| CITY, STATE, ZIP<br><b>Seattle, WA 98108</b>               |  |                                   |                           |

| HM | US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | Containers |      | Total Quantity | UOM |
|----|----------------------------------------------------------------------------------|------------|------|----------------|-----|
|    |                                                                                  | No.        | Type |                |     |
| A  | Material not regulated by DOT                                                    | 001        | TT   | 5112 gal       | G   |
| B  |                                                                                  |            |      |                |     |
| C  |                                                                                  |            |      |                |     |
| D  |                                                                                  |            |      |                |     |

Special Handling Instruction and Additional Information:

Oily Water

Placards Provided YES \_\_\_\_\_ NO \_\_\_\_\_

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

|                                                                   |                                    |                   |                  |                   |
|-------------------------------------------------------------------|------------------------------------|-------------------|------------------|-------------------|
| (SHIPPER) PRINT OR TYPE NAME<br>X <b>Justin Litch</b>             | SIGNATURE<br>X <b>Tamara Litch</b> | MONTH<br><b>7</b> | DAY<br><b>18</b> | YEAR<br><b>16</b> |
| (CARRIER/TRANSPORTER) PRINT OR TYPE NAME<br>X <b>Justin Litch</b> | SIGNATURE<br>X <b>Justin Litch</b> | MONTH<br><b>7</b> | DAY<br><b>18</b> | YEAR<br><b>16</b> |
| (CONSIGNEE/FACILITY) PRINT OR TYPE NAME<br>X                      | SIGNATURE<br>X                     | MONTH             | DAY              | YEAR              |

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# SHIPPING PAPER

Nº 3066

WASHINGTON MARINE CLEANING, LLC  
Tank • Chemical • Mechanical

|                                                     |  |                               |                  |  |
|-----------------------------------------------------|--|-------------------------------|------------------|--|
| Riley Group / 22944                                 |  | DELIVERY DATE<br>07-20-16     | W/O #<br>16-1306 |  |
| SHIPPER / CUSTOMER<br>Marine Vacuum Service         |  | POINT OF CONTACT<br>Tom Myler |                  |  |
| ADDRESS<br>3710 16th St                             |  | PHONE #<br>206-953-3907       |                  |  |
| CITY, STATE, ZIP<br>Marysville, WA 98271            |  |                               |                  |  |
| CARRIER / TRANSPORTER<br>Washington Marine Cleaning |  | PHONE #<br>425-317-8298       |                  |  |
| CONSIGNEE / FACILITY                                |  | POINT OF CONTACT              |                  |  |
| ADDRESS                                             |  | PHONE #                       |                  |  |
| CITY, STATE, ZIP                                    |  |                               |                  |  |

| HM | US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | Containers |      | Total Quantity | UOM |
|----|----------------------------------------------------------------------------------|------------|------|----------------|-----|
|    |                                                                                  | No.        | Type |                |     |
| A  | material not regulated by DOT                                                    |            | TT   | 4752 gal       | G   |
| B  |                                                                                  |            |      |                |     |
| C  |                                                                                  |            |      |                |     |
| D  |                                                                                  |            |      |                |     |

Special Handling Instruction and Additional Information:  
oily water

Placards Provided YES \_\_\_\_\_ NO \_\_\_\_\_

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

| (SHIPPER) PRINT OR TYPE NAME             | SIGNATURE     | MONTH | DAY | YEAR |
|------------------------------------------|---------------|-------|-----|------|
| X Thomas Welty                           | X [Signature] | 7     | 20  | 16   |
| (CARRIER/TRANSPORTER) PRINT OR TYPE NAME | SIGNATURE     | MONTH | DAY | YEAR |
| X Justin Leith                           | X [Signature] | 7     | 20  | 16   |
| (CONSIGNEE/FACILITY) PRINT OR TYPE NAME  | SIGNATURE     | MONTH | DAY | YEAR |
| X                                        | X             |       |     |      |

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# SHIPPING PAPER

Nº 3081

WASHINGTON MARINE CLEANING, LLC  
Tank • Chemical • Mechanical

|                                                            |  |                                   |       |
|------------------------------------------------------------|--|-----------------------------------|-------|
| SHIPPER / CUSTOMER<br><i>Riley Group</i>                   |  | DELIVERY DATE                     | W/O # |
| ADDRESS<br><i>3710 116th St NE</i>                         |  | POINT OF CONTACT<br><i>Tamara</i> |       |
| CITY, STATE, ZIP<br><i>marysville, WA</i>                  |  | PHONE #<br><i>206) 850-2887</i>   |       |
| CARRIER / TRANSPORTER<br><i>Washington Marine Cleaning</i> |  | PHONE #<br><i>425 317 8298</i>    |       |
| CONSIGNEE / FACILITY<br><i>Marine Vacuum Service</i>       |  | POINT OF CONTACT                  |       |
| ADDRESS<br><i>1516 South Graham Street</i>                 |  | PHONE #<br><i>206) 762 0240</i>   |       |
| CITY, STATE, ZIP<br><i>Seattle, WA 98108</i>               |  |                                   |       |

| HM | US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | Containers |           | Total Quantity  | UOM      |
|----|----------------------------------------------------------------------------------|------------|-----------|-----------------|----------|
|    |                                                                                  | No.        | Type      |                 |          |
| A  | <i>material Not Regulated by DOT</i>                                             |            | <i>TT</i> | <i>4452 gal</i> | <i>G</i> |
| B  |                                                                                  |            |           |                 |          |
| C  |                                                                                  |            |           |                 |          |
| D  |                                                                                  |            |           |                 |          |

Special Handling Instruction and Additional Information:

*Oily water*

Placards Provided YES \_\_\_\_\_ NO \_\_\_\_\_

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

|                                                                    |                                   |                   |                  |                   |
|--------------------------------------------------------------------|-----------------------------------|-------------------|------------------|-------------------|
| (SHIPPER) PRINT OR TYPE NAME<br>X <i>Tamara Ivette</i>             | SIGNATURE<br>X <i>[Signature]</i> | MONTH<br><i>7</i> | DAY<br><i>25</i> | YEAR<br><i>16</i> |
| (CARRIER/TRANSPORTER) PRINT OR TYPE NAME<br>X <i>Justin Leitch</i> | SIGNATURE<br>X <i>[Signature]</i> | MONTH<br><i>7</i> | DAY<br><i>25</i> | YEAR<br><i>16</i> |
| (CONSIGNEE/FACILITY) PRINT OR TYPE NAME<br>X                       | SIGNATURE<br>X                    | MONTH             | DAY              | YEAR              |

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# SHIPPING PAPER

Nº 3084

WASHINGTON MARINE CLEANING, LLC  
Tank • Chemical • Mechanical

|                                                            |  |                                   |                         |
|------------------------------------------------------------|--|-----------------------------------|-------------------------|
| SHIPPER / CUSTOMER<br><b>Riley Group</b>                   |  | DELIVERY DATE<br><b>07-28-16</b>  | W/O #<br><b>16-1319</b> |
| ADDRESS<br><b>3710 116th St NE</b>                         |  | POINT OF CONTACT<br><b>Tamara</b> |                         |
| CITY, STATE, ZIP<br><b>Marysville WA</b>                   |  | PHONE #<br><b>206-850-2887</b>    |                         |
| CARRIER / TRANSPORTER<br><b>Washington Marine Cleaning</b> |  | PHONE #<br><b>425-317-8298</b>    |                         |
| CONSIGNEE / FACILITY                                       |  | POINT OF CONTACT                  |                         |
| ADDRESS                                                    |  | PHONE #                           |                         |
| CITY, STATE, ZIP                                           |  |                                   |                         |

| HM | US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | Containers |      | Total Quantity | UOM |
|----|----------------------------------------------------------------------------------|------------|------|----------------|-----|
|    |                                                                                  | No.        | Type |                |     |
| A  | Material not regulated by DOT                                                    | 001        | TT   | 3884941        | G   |
| B  |                                                                                  |            |      |                |     |
| C  |                                                                                  |            |      |                |     |
| D  |                                                                                  |            |      |                |     |

Special Handling Instruction and Additional Information:

Placards Provided YES \_\_\_\_\_ NO \_\_\_\_\_

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

|                                                                    |                                     |                   |                  |                   |
|--------------------------------------------------------------------|-------------------------------------|-------------------|------------------|-------------------|
| (SHIPPER) PRINT OR TYPE NAME<br>X <b>Tamara Welch</b>              | SIGNATURE<br>X <b>Tamara Welch</b>  | MONTH<br><b>7</b> | DAY<br><b>28</b> | YEAR<br><b>16</b> |
| (CARRIER/TRANSPORTER) PRINT OR TYPE NAME<br>X <b>Justin Leitch</b> | SIGNATURE<br>X <b>Justin Leitch</b> | MONTH<br><b>7</b> | DAY<br><b>28</b> | YEAR<br><b>16</b> |
| (CONSIGNEE/FACILITY) PRINT OR TYPE NAME<br>X                       | SIGNATURE<br>X                      | MONTH             | DAY              | YEAR              |

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# SHIPPING PAPER

WASHINGTON MARINE CLEANING, LLC  
Tank • Chemical • Mechanical

N° 3096

|                                                     |  |                            |                  |
|-----------------------------------------------------|--|----------------------------|------------------|
| SHIPPER / CUSTOMER<br>Riley Group                   |  | DELIVERY DATE<br>8/2/16    | W/O #<br>16-1319 |
| ADDRESS<br>3710 116th Street NE                     |  | POINT OF CONTACT<br>Tamara |                  |
| CITY, STATE, ZIP<br>Marysville, WA 98270            |  | PHONE #<br>(206) 850-2887  |                  |
| CARRIER / TRANSPORTER<br>Washington Marine Cleaning |  | PHONE #<br>(425) 317-8298  |                  |
| CONSIGNEE / FACILITY<br>Marine Vacuum Service       |  | POINT OF CONTACT           |                  |
| ADDRESS<br>1516 S. Graham Street                    |  | PHONE #<br>(206) 762-0240  |                  |
| CITY, STATE, ZIP<br>Seattle, WA 98108               |  |                            |                  |

| HM | US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | Containers |      | Total<br>Quantity | UOM |
|----|----------------------------------------------------------------------------------|------------|------|-------------------|-----|
|    |                                                                                  | No.        | Type |                   |     |
| A  | Material not regulated by DOT                                                    | 001        | TT   | 37"<br>3769 gals  | G   |
| B  |                                                                                  |            |      |                   |     |
| C  |                                                                                  |            |      |                   |     |
| D  |                                                                                  |            |      |                   |     |

Special Handling Instruction and Additional Information:

ONLY RTD

Placards Provided YES \_\_\_\_\_ NO \_\_\_\_\_

SHIPPER'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway, vessel, and rail according to applicable international and national government regulations.

|                                               |                |       |     |      |
|-----------------------------------------------|----------------|-------|-----|------|
| (SHIPPER) PRINT OR TYPE NAME<br>X             | SIGNATURE<br>X | MONTH | DAY | YEAR |
| (CARRIER/TRANSPORTER) PRINT OR TYPE NAME<br>X | SIGNATURE<br>X | MONTH | DAY | YEAR |
| (CONSIGNEE/FACILITY) PRINT OR TYPE NAME<br>X  | SIGNATURE<br>X | MONTH | DAY | YEAR |

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## SHIPPING PAPER

Nº 2997

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Tank • Chemical • Mechanical

|                                                     |  |                           |                  |
|-----------------------------------------------------|--|---------------------------|------------------|
| SHIPPER / CUSTOMER<br>Riley Group                   |  | DELIVERY DATE<br>08-25-16 | W/O #<br>16-1319 |
| ADDRESS<br>3710 116th St                            |  | POINT OF CONTACT<br>Paul  |                  |
| CITY, STATE, ZIP<br>Marysville, WA 98270            |  | PHONE #<br>425-415-0551   |                  |
| CARRIER / TRANSPORTER<br>Washington Marine Cleaning |  | PHONE #<br>425-317-8298   |                  |
| CONSIGNEE / FACILITY<br>Marine Vacuum Service       |  | POINT OF CONTACT<br>Tom   |                  |
| ADDRESS<br>1516 S Graham St                         |  | PHONE #<br>206-762-0240   |                  |
| CITY, STATE, ZIP<br>Seattle, WA 98101               |  |                           |                  |

| HM | US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | Containers |      | Total Quantity          | UOM |
|----|----------------------------------------------------------------------------------|------------|------|-------------------------|-----|
|    |                                                                                  | No.        | Type |                         |     |
| A  | Material not regulated by DOT<br>27"                                             | 001        | TT   | 2400<br><del>2400</del> | G   |
| B  |                                                                                  |            |      |                         |     |
| C  |                                                                                  |            |      |                         |     |
| D  |                                                                                  |            |      |                         |     |

Special Handling Instruction and Additional Information:

Placards Provided YES \_\_\_\_\_ NO \_\_\_\_\_

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|                                                             |                              |            |           |            |
|-------------------------------------------------------------|------------------------------|------------|-----------|------------|
| (SHIPPER) PRINT OR TYPE NAME<br>X Anna Jordan               | SIGNATURE<br>X Anna Jordan   | MONTH<br>8 | DAY<br>25 | YEAR<br>16 |
| (CARRIER/TRANSPORTER) PRINT OR TYPE NAME<br>X Stephen Vance | SIGNATURE<br>X Stephen Vance | MONTH<br>8 | DAY<br>25 | YEAR<br>16 |
| (CONSIGNEE/FACILITY) PRINT OR TYPE NAME<br>X                | SIGNATURE<br>X               | MONTH      | DAY       | YEAR       |

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