

**REMEDIAL INVESTIGATION REPORT  
KRIS'S MINI MART  
6000/5982 PORTAL WAY  
FERNDALE, WASHINGTON 98248  
FSID# 96443724  
VCP# NW2869**

*prepared for:*

Narain Naidu  
Kris's Mini Mart  
6000 Portal Way  
Ferndale, Washington 98248

**November 1, 2016**



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November 1, 2016

  
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**ACRONYMS AND ABBREVIATIONS**

ARAR	-	Applicable and Relevant and Appropriate Requirements
AST	-	Aboveground Storage Tank
bgs	-	below ground surface
BTEX	-	Benzene, Toluene, Ethylbenzene, and Xylenes
COC	-	Contaminant/Chemical of Concern
CSID	-	Cleanup Site Identification Number
CSM	-	Conceptual Site Model
CUL	-	Clean-up levels
Ecology	-	Washington State Department of Ecology
EDB	-	1,2-Dibromoethane
EDC	-	1,2-Dichloroethane
ERNS	-	Emergency Response Notification System
ESA	-	Environmental Site Assessment
FOC	-	Fraction of Organic Carbon
FSID	-	Facility Site Identification Number
LUST	-	Leaking Underground Storage Tank
MTCA	-	Model Toxics Control Act
NFA	-	No Further Action
PAH	-	Polycyclic Aromatic Hydrocarbons
PID	-	Photoionization Detector
PCB	-	Polychlorinated Biphenyls
RCW	-	Revised Code of Washington
REC	-	Recognized Environmental Condition
TPH	-	Total Petroleum Hydrocarbons
TEE	-	Terrestrial Ecological Evaluation
UST	-	Underground Storage Tank
VCP	-	Voluntary Cleanup Program
VOC	-	Volatile Organic Compounds
WAC	-	Washington State Administrative Code
WCHD	-	Whatcom County Health Department

## **EXECUTIVE SUMMARY**

A remedial investigation was conducted at the retail fueling station located at 6000 Portal Way and 5982 Portal Way in Ferndale, Washington. The investigation was completed in an effort to characterize the subsurface soil and groundwater conditions at the site.

Sixteen hollow stem auger soil borings were advanced to a depth of 14 feet bgs in 2015 and 2016. One or more soil samples were collected from each soil boring location for laboratory analysis to characterize the extent of soil contamination present at the site. Soil sample results indicated that only one soil sample collected in 2015 (B-20 6ft) contained benzene above the MTCA Method A target cleanup level. All other soil samples collected in 2015 and 2016 contained contaminants below the applicable MTCA Method A cleanup levels, or did not contain detectable concentrations of the contaminants. In previous investigations at the site, gasoline and diesel range TPH and BTEX constituents were present at concentrations which exceeded the MTCA Method A target cleanup levels at depths ranging from approximately 2 to 14 feet bgs near the fuel dispenser islands.

Groundwater monitoring wells were installed in each soil boring. The depth to water was determined to be approximately 3 to 6 feet bgs, with slight variation across the site. Groundwater was determined to flow towards the southeast. Groundwater sample results indicated that gasoline, diesel, and oil range TPH, and BTEX constituents were present at concentrations which exceeded the MTCA Method A target cleanup levels in several wells near the fuel dispenser islands.

Based on the results of the remedial investigation and previous investigations performed at the site, the soil contamination source zone is located south of the tank pit and near the fuel dispenser islands. Dissolved groundwater contamination appears to have followed the established groundwater flow direction towards the southeast. Soil gas has not yet been investigated at the site.

Remedial investigation work conducted at the site has fully delineated the lateral and vertical extent of petroleum contamination in the soil and groundwater.

## 1.0 INTRODUCTION

### 1.1 GENERAL SITE INFORMATION

The site is located at 6000 Portal Way and 5982 Portal Way in Ferndale, Washington. The site, as defined by MTCA, is comprised of two parcels (390220284398 and 390220287387) and is located in the northeast quarter of the northeast quarter of Section 20 in township 39 North, Range 2 East. The site is situated approximately 0.1 miles east of Interstate 5 (I-5), approximately 0.35 miles north of the Nooksack River, and approximately 0.9 miles north/northeast of the city of Ferndale's downtown business core. The site is zoned as Highway Commercial by the City of Ferndale. The site is bordered on the north and east by commercial and rural residential properties; on the west by I-5 and Portal Way; and on the south by other rural residential properties. A site location map is provided as Figure 1.

The site has been assigned the Facility Site ID# 96443724, Cleanup Site ID# 11243, and VCP# NW2869. Contact information for the project consultant and property owner/facility operator are included below.

- Ecology Site Manager: Sandra Caldwell
  - Address: PO Box 47600, Olympia, WA 98504
  - Phone: (360) 407-7236
  - Email: Sandra.Caldwell@ecy.wa.gov
- Project Consultant: Whatcom Environmental Services, Inc.
  - Address: 228 E Champion St #101, Bellingham, WA 98225
  - Contact: Harold Cashman
  - Phone: (360) 752-9571
  - Email: hjcashman@whatcomenvironmental.com
- Property Owner/Facility Operator: 6000 Portal Way LLC
  - Address: 3820 Keystone Way, Bellingham, WA 98226
  - Contact: Lakhwinder Malhi
  - Phone: (360) 441-5115
  - Email: lyndenshell3@gmail.com

## 1.2 SITE HISTORY

The 6000 Portal Way property has been developed with an operating gasoline station and convenience store since at least the 1930s. The original gasoline station consisted of five USTs and one AST. The former convenience store was located along the center edge of the western property boundary. A shop building was located south of the former convenience store, which was used to perform automotive repairs. Two houses were formerly present at the northern edge of the property. The eastern most of the two houses was demolished by the 1980's. The 5982 Portal Way property has been developed with the same structure since at least the 1950's. The following site history information pertains to only the 6000 Portal Way property.

A major station upgrade occurred at the site in 1992, which brought the station to its current configuration and included the installation of the four current USTs. The convenience store, automobile repair shop, and the remaining house were demolished at that time, and a new convenience store was constructed at the center of the northern property boundary. The five original underground storage tanks were removed from the property. Petroleum contaminated soil and groundwater was first encountered at the site during the 1992 site upgrade.

A subsurface investigation conducted in 2003 indicated that diesel and gasoline range soil and groundwater contamination were located along the southwestern portion of the site. An air-sparge/vapor extraction system was installed at the site in 2004 to enhance natural bioremediation.

In November 2010 tank monitoring activities indicated that water was entering the super unleaded tank. A tank tightness test indicated there was a leak on top of the tank at the fill spout riser pipe. The riser pipe was replaced in early 2011. In 2011 tank monitoring activities again indicated that water was entering the super unleaded tank. The riser pipe was re-inspected and found to be intact. The tank was taken out of service. In July 2012 the tank was drained and inspected and water was observed entering the bottom of the tank. A hole in the bottom of the tank was identified at the weld seam of the tank gauging striker plate. The hole along the failed striker plate weld seam was approximately 2 inches long and 1-inch-wide and "L" shaped. The hole was repaired by NW Tank Lining and Inspection Inc. on August 28, 2012.

A UST Site Check was conducted following the tank repair per the Underground Storage Tank Regulation WAC 173-360-370 (2). The UST Site Check discovered gasoline range soil and groundwater contamination southeast of the UST pit.

The Site Characterization work was initiated in 2012 and has continued since that time in accordance with the Model Toxics Control Act WAC 173-340-450(5)(b). Groundwater monitoring at the site was performed from 2003 to 2011, and began again in 2013.

### 1.2.1 Historical Ownership History

Historical title documents were reviewed and historical Polk City directories were searched to establish the ownership history of the site.

At 6000 Portal Way, the first indication of the site as an automobile filling and service station was in a 1931 title document/lease agreement where it was listed as “Anderson’s Service”, branded as an Associated Oil Company station. The site was listed also in the 1931 Polk directory. The property has also been known as; “Tex’s Arco and Big Little Grocery” (1982), “T.J.’s Market” (1987), “Lee’s Mini Mart” (1992 - a Texaco branded station). No listing was found for any of those business names in the historical Polk directories. The property ownership history is summarized below:

Chevron Texaco Corp (Associated Oil)	1931 – 1937
- Leased property from Magnus Anderson	
Mangus Anderson and Berna Magdalena Anderson	Pre-4/10/1945
James W. Nelson and Viola Anna Nelson	4/10/1945 – 8/9/1945
Harold Ahlstedt and Asta C. Ahlstedt	8/9/1945 – 6/28/1974
Herman B Filbeck and Bertie Filbeck	6/28/1974 – 2/2/1976
Frank E. Sirmans and Donna J. Sirmans	2/2/1976 – 2/12/1981
Northwestern Commercial Bank	2/12/1987 – 9/20/1984
Thomas James Hull and Alberta K. Hull	6/4/1982 – 12/13/1986
Robin and Cathy LaFave	12/13/1986 – 11/18/1994
Richard G. and Marilyn Sievers	12/13/1986 – 7/14/2003
Larry E. and Phyllis L. Bird	12/13/1986 – 10/8/1990
Darrel K. Bornstein, Jr.	12/18/1987 – 7/3/1997
James Unruh and Leanne Unruh	11/18/1994 – 10/21/1997

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Rick D. Sievers	10/21/1997 – 7/14/2003
Narain and Munsi S. Naidu	7/14/2003 – 3/12/2014
6000 Portal Way LLC	3/12/2014 – present

The 5982 Portal Way property was historically part of a larger (approximately 3.85 acre) parcel. The parcel was split up into six individual parcels (3902220287387; 390220277382; 390220300376; 390220321377; 390220326378; and 390220332378). The property was split off into an individual parcel sometime between 1945 and 1950; title documents for the property line adjustment were not located by the title company. All ownership history prior to 1950 refers to the larger parcel. The property ownership history is summarized below:

Bertha and C.H. Felch	Pre – 7/30/1910
Jerusha Tippin	7/30/1910 – unknown
Hattie Frayer	Unknown – 7/9/1930
Emma Sholl (later Emma King)	7/9/1930 – 8/28/1945
Clark and Lucile Brown	8/28/1945 – unknown
<i>(property line adjustment occurs within this time)</i>	
Gus and Anna Engler	Unknown – 2/17/1950
Jeanne and Evelyn Cable	2/17/1950 – 5/8/2002
<i>(transferred to Michael Cable as estate heir)</i>	
Gary Christensen	5/8/2002 – 1/16/2009
<i>(property foreclosed; bank owned until 10/13/2009)</i>	
Scott Hensrude	10/13/2009 – 5/23/2016
5982 Portal Way, LLC	5/23/2016 – present

Title documents from the 1950's for both 6000 Portal Way and 5982 Portal Way reference a portion of property leased by Tide Water Associated Oil Company. The property description provided in the title documents appears to suggest the leased property was located along the east side of Portal Way halfway between 5982 Portal Way and 5986 Portal Way. However, based on no visible development at that location in an aerial photograph from the time, it is likely that the document references to the historic gas station formerly located at the west side of the 6000 Portal Way property. The location description may be inaccurate or points of reference may have changed since that time.

**1.3 SITE USE**

The site is currently an operational retail fueling station (6000 Portal Way). Four operational USTs are located on the site; two regular unleaded tanks (10,000 and 8,000 gallon), one super unleaded tank (8,000 gallon), and one diesel tank (6,000 gallon). The property is covered by asphalt pavement and two structures; a convenience store and fuel dispenser canopy. The site also encompasses the property at 5982 Portal Way, which is developed with one vacant commercial building, and a residential building located south of the commercial building.



## **2.0 FIELD INVESTIGATIONS**

### **2.1 PREVIOUS ENVIRONMENTAL INVESTIGATIONS**

A brief summary of the historical remedial investigations completed at the site is provided below in chronological order. All previous work described below refers only to the 6000 Portal Way property; no investigation work was conducted at 5982 Portal Way prior to 2015.

#### **2.1.1 1992 – UST Site Assessment**

A copy of a 1992 UST Site Assessment report prepared by Materials Testing & Consulting of Mount Vernon, Washington was reviewed (MTC, 1992). The report was prepared at the time four new tanks were installed at the site as part of a property upgrade and remodel project. Five USTs were removed from the ground from four separate tank pits located at three areas on the property (east of the current dispenser canopy and in the southwest and northwest corners of the site). The tank pit soils were sampled and samples collected in the southwest corner were found to be the most highly contaminated by kerosene from leakage of an aboveground storage tank historically located in that vicinity. Water samples collected from the open pits indicated that the southern half of the property had been adversely impacted by petroleum contamination. The report conclusions stated that due to the high water table at the site, impacted soils were not removed and a biological agent would be used to remediate subsurface contamination at the site.

Five groundwater monitoring wells were installed at the site in 1992. The wells were identified as MW-1 through MW-5. The wells were presumably installed using saw cut PVC pipe constructed in or near the removed UST tank pits. There are no borelogs or well installation diagrams for the wells, and it is assumed they were installed during backfilling of the tank pits. It is unknown if the original five wells were screened across the water table. The five original wells have since been removed from the site and replaced with new wells (MW-13 through MW-17).

**2.1.2 1993 – Site Closure Report**

A copy of a 1993 Site Closure report prepared by Pacific Remediation, Inc. of Mount Vernon, Washington was reviewed (PRI, 1993). The report stated that, following the application of a biological remediation agent, groundwater sampling indicated that the site was cleaned to the applicable cleanup levels in place at the time. No description of the process used to treat the soil and/or groundwater was provided in the report. A note written by Ecology personnel and attached to the document indicated that Ecology recommended further monitoring of the site groundwater and confirmatory soil sampling to help further characterize the site.

**2.1.3 2003 – Subsurface Soil and Groundwater Investigation**

A subsurface soil and groundwater investigation was conducted by Whatcom Environmental Services Inc. at the site in 2003 (WES, 2003). Six soil borings were drilled at the site using a GeoProbe drill rig to further characterize the extent of subsurface soil and groundwater contamination on the southern portion of the property. Soil samples were collected from five of the six soil borings. Groundwater samples were also collected from five of the borings. Laboratory analytical results indicated that soil and groundwater in the southwest corner of the property were contaminated with gasoline, diesel, and lube-oil range TPH and BTEX constituents at concentrations exceeding the MTCA Method A cleanup level. The report recommended that further remedial action be conducted at the site.

**2.1.4 2003 – Product Recovery Sump and Air Sparge/Vapor Extraction System Installation**

Remedial actions commenced at the site in March 2003. One product extraction sump was installed along the southern fence line. The extraction sump location is shown on Figure 2. The extraction sump was installed to allow for the recovery of floating petroleum product from the groundwater surface. The extraction sump was constructed of 18-inch diameter vertically slotted PVC piping that was inserted into the ground approximately 6 feet. Pea gravel was used to fill in the area surrounding the pipe up to approximately 40 inches bgs. Clean fill was used to bring the area surrounding the pipe up to grade. A manhole cover was used to protect the top of the extraction sump and the area was asphalted.

The extraction sump was periodically pumped over the course of a year and the oily water was stored in 55-gallon drums prior to offsite disposal. Approximately six full drums of oily water and recovered product were generated. The product thickness in the drums was measured using oil sensitive paste and a volume of recovered product was estimated from the thickness of the layer. Approximately 100 gallons of free product were recovered from the extraction sump.

An air sparge/vapor extraction (AS/VE) system was installed at the site between 2003 and 2004. Six air sparge wells were installed in May 2003 on the southern half of the property (AS-1 through AS-6). The wells were constructed using 2-inch diameter machine slotted PVC. The wells were installed to a depth of approximately 16 feet below ground surface (bgs) and screened from approximately 13 to 16 feet bgs.

The AS/VE system lines were installed in June 2003. The AS lines were constructed using 2 inch PVC. The horizontal VE lines were constructed with 4 inch perforated corrugated plastic drain line. The VE lines were encased in a geo-textile fabric sock and backfilled in gravel. The AS lines were installed approximately 2 feet bgs and the VE lines were installed approximately 1.5 feet bgs. The lines run to an equipment enclosure located at the southwest corner of the site. The AS/VE system components are shown on Figure 2.

Two new monitoring wells (MW-6 and MW-7) were constructed along the southern property fence line on May 30, 2003. The wells were constructed to act as groundwater recirculation wells.

The VE system was brought online on September 17, 2004 after all floating petroleum product had been removed from the extraction sump. The AS system was turned on November 8, 2004. The system has been operational since that time. The original AS blower malfunctioned and was replaced with an air compressor in 2010. Groundwater monitoring has occurred periodically since 1994.

#### **2.1.5 2012 – UST Site Check**

Whatcom Environmental Services Inc. conducted an Underground Storage Tank Site Check for the UST system on September 10, 2012 (WES, 2012). The Site Check was conducted following the discovery of a hole in the super unleaded tank (Tank ID#:40536) in July of that year. The leak was located in the bottom of the tank near the dipstick

striker plate on the north end of the UST. The leaking tank was reported to Ecology (ERTS #636609). The tank was repaired in August 2012.

Soil and groundwater samples were collected as part of the Site Check. Soil samples were collected from the four sides of the tank pit (outside of the tank pit footprint) via direct push soil borings in accordance with Ecology's Guidance for Site Checks and Site Assessments for Underground Storage Tanks (Ecology, 2003). Groundwater samples were collected from all soil borings.

Field screening and soil sample analytical results indicated that soil on the south side of the tank pit has been impacted by gasoline range TPH at concentrations exceeding the MTCA Method A target cleanup level. Groundwater analytical results indicated that shallow groundwater located south and southeast of the tank pit has been impacted by gasoline range TPH and benzene at concentrations exceeding the MTCA Method A cleanup level.

#### **2.1.6 2013 – Site Characterization and Monitoring Well Installation**

Site characterization work was initiated in May 2013 in order to better characterize the extent of the gasoline release discovered during the UST Site Check (WES, 2014). Seven soil borings were advanced at the site using a hollow stem auger and seven groundwater monitoring wells were installed (MW-8 – MW-14). Soil samples were collected from each soil boring to characterize the areal and vertical extent of soil contamination previously documented at the site.

Field screening and laboratory analytical results from soil samples collected during the well installation process indicated that petroleum impacted soil was located south of the UST pit, beneath the fuel dispenser islands, and south and east of the fuel dispenser islands at depths ranging from approximately 6 to 14 feet below the ground surface (bgs).

Laboratory analytical results for groundwater samples collected from the monitoring wells indicate that petroleum impacted groundwater is located to the south and southeast of the UST pit and beneath the fuel dispenser islands.

## **2.2 SITE CHARACTERIZATION (2015-2016)**

The subsurface conditions at the site were investigated in 2015/2016 in an attempt to delineate the areal extent of the gasoline release to soil and groundwater documented in the previous investigations, and to identify any other contamination related to the operation of the site as a retail fueling station. Sixteen soil borings were drilled and soil samples were collected for laboratory analysis. Sixteen groundwater monitoring wells were installed in the borings, and groundwater samples were collected for laboratory analysis.

Subsurface utilities were publicly located several days prior to drilling and the boring locations were pre-cleared to a depth of approximately 5 feet bgs using a hand auger before initiating each soil boring. An encroachment permit was obtained from the City of Ferndale prior to drilling the soil borings in the Portal Way right-of-way.

The drill rig equipment was decontaminated prior to initiating each soil boring. The borings were continuously cored to an average depth of 14 feet below grade. Soil cores were logged in the field and soil descriptions generally followed ASTM D 2487 'Unified Soil Classification System' procedures for description and identification of soils. The soil borings were identified as B-15 through B-25 and MW-26 through MW-30. Soil boring logs are included in Appendix A.

The soil cores were evaluated in the field for organic vapors using a photoionization detector (PID) and for petroleum products using sheen tests. Immediately after the soil cores were described, a portion of each sample was sheen tested and the remainder of the sample was placed in a labeled re-sealable bag. The PID was inserted into the re-sealable bag in order to evaluate the presence of organic vapors, and a headspace organic vapor detection in parts per million (ppm) was recorded on the boring log. Sheen tests were recorded as: NS – no sheen, VSS – very slight sheen, SS – slight sheen, MS – moderate sheen, and HS – heavy sheen.

Groundwater monitoring wells were installed in each of the soil borings. The wells were identified as MW-15 through MW-30. The monitoring wells were installed to a depth of 14 feet bgs and were constructed with machine slotted, 2-inch diameter PVC pipe. The well screen lengths are 10 feet and the top of the PVC well casings are protected with flush mounted well monuments. The monitoring wells were developed using disposable bailers prior to sampling. Water was bailed from each well until the turbidity decreased. The groundwater monitoring well construction diagrams are provided in Appendix B.

### 2.2.1 Sampling and Monitoring

The Sampling and Analysis Plan (SAP) for the site was designed such that testing was performed in accordance with Table 830-1 of the MTCA regulation.

One or more soil samples were collected from each soil boring location via EPA Method 5035A in sample containers provided by the lab. Soil samples were stored on ice in a cooler immediately after collection. Standard industry protocols regarding sample collection, preservation, chain-of-custody, and shipping were followed. The samples were identified by both the boring number from which they originated and the depth from which they were collected (i.e. *B-15 5ft*).

All soil samples were analyzed at ALS Laboratory Group in Everett, Washington. ALS is accredited by the Washington State Department of Ecology. Strict chain-of-custody and QA/QC protocols were followed for each sample. The following laboratory methods were used to analyze the soil samples:

NWTPH-Dx: Diesel and oil range total petroleum hydrocarbons (TPH)

NWTPH-Gx: Gasoline range TPH

EPA Method 8021: Benzene, toluene, ethylbenzene, and total xylenes (BTEX constituents) and Methyl tert-butyl ether (MTBE)

EPA Method 8260: Ethylene dichloride (EDC) and Ethylene dibromide (EDB)

EPA Method 8270 SIM: Naphthalenes and Carcinogenic Polycyclic Aromatic Hydrocarbons (cPAH)

EPA Method 6020: Lead (Pb)

Each monitoring well was sampled using the low-flow sampling technique, recommended and approved by the U.S. Environmental Protection Agency (USEPA, 1998). The low-flow sampling technique minimizes the impact of the purging process on groundwater chemistry and provides an accurate representation of the groundwater's condition at the time of sampling. Prior to sampling, the depth-to-water was measured in each well, and the groundwater elevation was calculated for the sampling event. A YSI Model 556 multi probe meter was used in conjunction with a flow-through cell to monitor groundwater chemistry during the low-flow purging process. Purging was considered adequate and groundwater samples were collected when the water chemistry parameters had stabilized.

Groundwater samples were collected in sample bottles provided by the analytical laboratory and stored on ice in a cooler immediately after collection. Dissolved lead samples were filtered in the field using a disposable 0.45 µm in-line filter. One duplicate sample and one equipment blank sample were also collected during each sampling event. Standard industry protocols regarding sample collection, preservation, chain-of-custody, and shipping were followed. Groundwater samples were identified by the monitoring well identification number of the well from which they were collected. Monitoring wells were sampled on a quarterly schedule beginning in April 2015.

All groundwater samples were analyzed at ALS Laboratory Group in Everett, Washington. Strict chain-of-custody and QA/QC protocols were followed for each sample. The following laboratory methods were used to analyze the groundwater samples:

NWTPH-Dx: Diesel and oil range TPH

NWTPH-Gx: Gasoline range TPH

EPA Method 8021: BTEX and MTBE

EPA Method 8260: EDC and EDB

EPA Method 8270 SIM: Naphthalenes

EPA Method 200.8: Dissolved Pb

### **2.2.2 Site Geology**

The site is located in the northern portion of the Puget Sound Basin. The region is characterized by thick sequences of Pleistocene glacial advance outwash and melt-water deposits that settled on a basement of tectonically deformed sedimentary and ancient metamorphic bedrock. The glacial deposits have been reworked by more recent fluvial, lacustrine, and aeolian actions into the landforms present today.

Soils in the area of the site are described in the Soil Survey of Whatcom County Area Washington (USDA, 1992). Soils at the property are described as Tromp loam with slopes ranging from 0 to 2 percent. The Tromp loam is a very deep, moderately-well drained soil that formed in a mixture of volcanic ash and loess over glacial outwash.

The site is underlain by glacial outwash of the Sumas Stade of the Pleistocene Epoch (WSDNR, 2000). The outwash consists of loose, moderately to well-sorted gravels, sandy gravels, and coarse to medium sands with rare areas of fine sand and silt. Bedding

is massive to well-stratified. Color is brown to gray depending on oxidation state. Thickness ranges from 3 meters to as much as 280 meters.

Field evidence confirmed that the site is underlain by the glacial outwash of the Sumas Stade. The general geologic sequence encountered in the soil borings was:

- 0 to 0.25 ft - Asphalt
- 0.25 to 1.25 ft - Imported fill material consisting of brown sandy gravel. This material was likely used to level the site prior to development.
- 1.25 to 15 ft - Native soil consisting of brown medium sand that was loose and moist to wet (at depth).

The soil boring locations are shown on Figure 2. All of the soil borings encountered medium sand to 14 feet below ground surface (bgs). A geologic cross section of the site is provided on Figure 3. Soil borelogs are included in Appendix A.

Four soil samples collected from 2013 soil borings (B-8 5.5-6.0, B-10 8.0-8.5, B-10 13.0-13.5, B-13 5.5-6.0) were analyzed for physical properties including grain size distribution, bulk density, porosity, and hydraulic conductivity. All analyses were performed by applicable ASTM, EPA or API methodologies.

The physical properties analysis determined that the site soils have a native hydraulic conductivity ranging from 7.23E-03 cm/sec to 1.12E-02 cm/sec, averaging 6.56E-03 cm/sec. The soil intrinsic permeability ranges from 7.16E-08cm<sup>2</sup> to 1.09E-07 cm<sup>2</sup>, averaging 6.45E-08 cm<sup>2</sup>. All four samples were categorized as medium sand.

### **2.2.3 Site Hydrogeology**

Groundwater was encountered in each soil boring at a depth of approximately 4 to 8 feet bgs. Twenty-five groundwater monitoring wells are currently located on the site. Five groundwater monitoring wells were abandoned in 2015 (MW-1 through MW-5), and sixteen new wells were installed (MW-15 through MW-30). Monitoring wells MW-13 through MW-17 replaced wells MW-1 through MW-5. The elevations of the top of the monitoring well casings were surveyed by a licensed surveyor. Groundwater at the site generally flows from the northwest to the southeast with an average gradient of approximately 0.0033 ft/ft. The groundwater flow direction and gradient maps are presented in Appendix C.



#### **2.2.4 Other Site Information**

A preliminary vapor intrusion assessment of the site was performed using the conceptual site model, and it was determined that the commercial building at 5982 Portal Way and the residential building at 5986 Portal Way are both potential receptors within both the vertical and lateral screening zones (as defined by Ecology).

### **2.3 SAMPLING/ANALYTICAL RESULTS**

#### **2.3.1 Quality Analyses**

All soil and groundwater samples were analyzed at ALS Laboratory Group in Everett, Washington. ALS Laboratory group is accredited by the Washington State Department of Ecology. The laboratory quality assurance and quality control (QA/QC) standard practices include the analysis of method blank, duplicate, matrix spike, and duplicate matrix spike samples as appropriate with each batch of samples.

Laboratory data were reviewed by Whatcom Environmental staff for accuracy upon receipt. Whatcom Environmental staff verified that 1) the sample name and analyses match the chain-of-custody, 2) sample preservation and holding times were met, 3) required detection limits were achieved, and 4) reviewed any laboratory data qualifiers included with the data. Any data qualifiers provided by the lab, or discovered during the data review, are included as footnotes to the data tables provided in this report.

#### **2.3.2 Results**

The remedial investigation work described herein has provided further information related to the horizontal and vertical extent of contamination at the site.

##### *2.3.2.1 Soil Sample Results*

Thirty-five soil samples were collected in 2015 and 2016 (B-15 through B-25 and MW-26 through MW-30, at various depths) to further characterize the contamination discovered at the site. The soil boring locations and results are shown on Figure 4. The soil sample descriptions, depths of collection and field screening results are included in Table 1, and the laboratory analytical data are summarized in Tables 2 and 3. The original laboratory analytical data reports are provided in Appendix D.

Only one soil sample collected in 2015 (B-20 6ft) contained benzene above the MTCA Method A target cleanup level. All other soil samples collected in 2015 and 2016 contained contaminants below the applicable MTCA Method A cleanup level, or did not contain detectable concentrations of the contaminants. All samples were analyzed within the prescribed holding times, and sample analytical QA/QC results were within acceptable limits.

Based on the soil data collected in 2015 and 2016, and previous investigations, it appears that soil contamination at the site is primarily limited to directly beneath the fuel dispenser islands, and to the east, south, and southwest of the dispenser area (Figure 4). Soil contamination above the target cleanup level has been found ranging from approximately 6 to 14 feet bgs. Based on available data, it appears that all edges of the soil contamination have been delineated.

#### 2.3.2.2 *Groundwater Sample Results*

Groundwater samples have been collected for laboratory analysis since April 2015. The groundwater monitoring well locations and analytical data are shown on Figure 5. The groundwater laboratory analytical data are summarized in Table 4. The original laboratory analytical data reports are provided in Appendix E.

The water quality indicator parameter measurements were collected immediately prior to sample collection as per the EPA recommended low-flow groundwater sampling method (USEPA 1998). The depth-to-water and final water quality indicator parameter measurements for each well are shown on Table 5.

Gasoline range TPH has been detected in the samples collected from monitoring wells MW-8, MW-9, MW-10, MW-11, MW-12, and MW-13 at concentrations which exceeded the MTCA Method A target cleanup level. Diesel range TPH has been detected in the samples collected from monitoring wells MW-6, MW-7, MW-10, MW-11, MW-12, MW-18, MW-19, and MW-23 at concentrations which exceeded the MTCA Method A target cleanup level. Oil range TPH has been detected in samples collected from monitoring wells MW-6, MW-7, and MW-14 at concentrations which exceeded the target cleanup level. Samples collected from wells MW-8, MW-9, MW-10, MW-11, and MW-12 contained BTEX constituents at concentrations exceeding the MTCA Method A target cleanup levels. MTBE, EDB, and lead have never been detected in groundwater at the site.

Based on groundwater data collected to-date, it appears that the contaminated groundwater plume is primarily located south of the tank pit, beneath the fuel dispenser islands, and to the north, east, and south of the dispenser islands. It appears that contamination has followed the groundwater gradient to the south/southeast. Based on available data, all edges of the groundwater contamination have been delineated.

#### 2.3.2.3 Vapor Intrusion Analysis (Preliminary)

A preliminary vapor intrusion screening was conducted at the site using groundwater data. During the quarterly groundwater sampling events starting in February 2016, the typical groundwater low-flow sampling method was modified per the ITRC Petroleum Vapor Intrusion (PVI) guidance document (ITRC, 2014). Contaminants at the top of the water table, rather than deeper contamination, are responsible for causing potential vapor intrusion problems. Therefore, instead of placing the pump intake tubing in the center of the screened interval, the pump intake was placed approximately 1 to 1.5 feet below the static water level. Samples were collected using this procedure for all wells sampled at the site.

Monitoring wells located within the lateral screening zone from any building at the site include MW-20, MW-22, MW-23, and MW-24. Monitoring well MW-22 has never had any detectable concentrations of any analyte. Monitoring wells MW-20 and MW-24 have had detections of diesel range TPH, EDC, and naphthalenes which were below the MTCA Method A cleanup level. Monitoring well MW-23 has had concentrations of diesel range TPH above the MTCA Method A cleanup level, and gasoline range TPH, benzene, ethylbenzene, EDC, and naphthalenes below the MTCA Method A cleanup levels.

Although groundwater samples collected from several wells contained detectable concentrations of contaminants, only one well (MW-23) contained benzene and naphthalenes at concentrations which exceeded the PVI groundwater screening levels<sup>1</sup>. Using the detected groundwater concentrations and site specific factors, the US EPA's online calculator which implements the Johnson and Ettinger model was used to evaluate whether or not the compounds detected at concentrations which exceeded the

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<sup>1</sup> Groundwater screening levels are listed in Table B-1 of the Ecology draft vapor intrusion guidance (Ecology, 2009).

groundwater screening levels pose a threat to the indoor air at the residential building<sup>2</sup>. According to the model calculation results, indoor air concentrations of benzene and naphthalene would not exceed the indoor air cleanup levels<sup>3</sup>.

Based on the data collected near the surface of the water table, the contaminant source (groundwater) would not be expected to result in an exceedance of the indoor air cleanup levels. Soil gas samples would be required to confirm that contamination does not pose a threat to indoor air.

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<sup>2</sup> The US EPA's online calculator which implements the Johnson and Ettinger model was used in forward calculation mode to calculate predicted indoor air concentrations at the residential building ([http://www3.epa.gov/ceampubl/learn2model/part-two/onsite/InE\\_lite\\_forward.html](http://www3.epa.gov/ceampubl/learn2model/part-two/onsite/InE_lite_forward.html)). Site specific factors altered in the model included the contaminant of concern, concentration of the contaminant, depth of the soil gas sample, type of building, type of soil, average groundwater temperature, and the building footprint.

<sup>3</sup> Indoor air cleanup levels are listed in Table B-1 of the Ecology draft vapor intrusion guidance (Ecology, 2009). Cleanup levels were determined using equations 750-1 and 750-2 defined by MTCA (Ecology, 2013).

### **3.0 CONCEPTUAL SITE MODEL**

A conceptual site model has been developed for the site to understand the potential sources of contamination, contaminants of concern, potentially affected media (soil, groundwater, and soil gas), and transport and exposure pathways that could impact human or ecological receptors. The conceptual site model integrates all information that is known to-date for the site. The conceptual site model is described below.

#### **3.1 CONTAMINANT SOURCES**

Results obtained from previous investigations indicated that petroleum contamination is present in soil and groundwater at the site. The occurrence and potential exposure pathways are depicted on Figure 6. Gasoline and diesel range TPH, and BTEX constituents have been detected above the applicable MTCA Method A cleanup levels in soil. Gasoline, diesel, and oil range TPH, and BTEX constituents have been detected above the applicable MTCA Method A cleanup levels in groundwater. Soil gas samples have not been collected at the site. The likely source of the contamination is a leaking UST. Chemicals were released in the subsurface soil and leached into groundwater. Groundwater contamination has spread following the direction of the groundwater gradient. Volatile compounds in the soil and groundwater also may have volatilized into the soil pore space above the groundwater table.

#### **3.2 EXPOSURE PATHWAYS**

Based upon results obtained during the remedial investigation, the following media are of concern for the site.

##### **3.2.1 Soil**

Soil at the site has been found to contain gasoline and diesel range TPH, and BTEX constituents above the applicable MTCA Method A cleanup levels. Gasoline range TPH has been detected up to 4,900 mg/kg. Diesel range TPH has been detected up to 3,200 mg/kg. Benzene has been detected up to 0.12 mg/kg. Toluene has been detected up to 82 mg/kg. Ethylbenzene has been detected up to 22 mg/kg. Xylenes have been

detected up to 300 mg/kg. MTBE, EDB, EDC, naphthalenes, and cPAHs have never been detected in soils at the site. Background levels of lead have been detected in several locations at the site.

Soil contamination at the site is primarily located south of the UST pit beneath the fuel dispenser islands, and slightly to the east, west, and south of the dispenser area. Previous investigations conducted at the site have delineated all edges of the soil contamination.

The site is primarily underlain by sandy material which could facilitate the migration of contaminants through soil, and the leaching of soil contaminants to groundwater.

### **3.2.2 Groundwater**

Groundwater at the site has been found to contain gasoline, diesel, and oil range TPH, and BTEX constituents above the applicable MTCA Method A cleanup levels. Gasoline range TPH has been detected at concentrations up to 130,000 µg/L. Diesel range TPH has been detected up to 14,000 µg/L. Oil range TPH has been detected up to 5,100 µg/L. Benzene has been detected up to 24,000 µg/L. Toluene has been detected up to 29,000 µg/L. Ethylbenzene has been detected up to 1,700 µg/L. Xylenes have been detected up to 14,000 µg/L. EDC has been detected in several wells at the site, at concentrations below the MTCA Method A cleanup level. MTBE and EDB have never been detected in groundwater at the site to-date.

Groundwater contamination at the site is primarily located at the same location as the soil contamination. Previous investigations conducted at the site have delineated all edges of the groundwater contamination.

The site is primarily underlain by sandy material which could facilitate the transport of contaminants in groundwater via groundwater flow.

### **3.2.3 Vapor**

Soil gas samples have not been collected at the site. Due to the proximity of the soil and groundwater contamination to nearby buildings, a soil gas investigation will need to be completed in the future to address the vapor pathway. Volatile compounds in the

soil and groundwater may have the potential to volatilize into the soil pore space beneath the nearby buildings. Buildings of concern for vapor intrusion from contamination at the site include the commercial building located at 5982 Portal Way and the residential building located at 5986 Portal Way (south of the site). No other buildings are located within the area of concern for vapor intrusion.

### **3.3 RECEPTORS**

#### **3.3.1 Human Exposure Routes**

The following potential human exposure routes for chemicals have been identified for the site:

- Inhalation of contaminants volatilized from soil gas
- Dermal contact inhalation and ingestion of soil particulates
- Dermal contact with groundwater

The site groundwater is not currently used for or planned to be used for domestic purposes in the future.

#### **3.3.2 Ecological Exposure Routes**

The following ecological exposure routes for chemicals have been identified for the site:

- Inhalation of contaminants from soil gas
- Ingestion and dermal contact of soil particulates
- Ingestion and contact with contaminated groundwater
- Plants' direct uptake of contaminated groundwater

## **4.0 PROPOSED CLEANUP STANDARDS**

The selected cleanup levels for the site are presented in the following sections.

### **4.1 TERRESTRIAL ECOLOGICAL EVALUATION**

In order to confirm the site is not a threat to the environment, a terrestrial ecological evaluation (TEE) was conducted at the site in accordance with WAC 173-340-7490. The goal of the TEE is to determine if contaminants detected at the site pose a threat to terrestrial ecological receptors.

A simplified Terrestrial Ecological Evaluation (TEE) (WAC 173-340-7492) was included in the Site Characterization report (WES, 2014). The results of the TEE indicated that the site did not qualify for a primary exclusion (WAC 173-340-7491) because there were more than 1.5 acres of contiguous undeveloped land located within 500 feet of the site. A simplified TEE (WAC 173-340-7492) was conducted and it was determined that the concentrations of contaminants listed in Table 749-2 for industrial/commercial sites are required to be used as cleanup levels at the subject property (WAC 173-340-7492(1)(d)).

### **4.2 SOIL CLEANUP STANDARDS**

The MTCA Method A target cleanup levels for soil were selected as screening levels for this remedial investigation. Those levels have been established for unrestricted land use in accordance with WAC 173-340 and can be found in Table 740-1 (Ecology, 2013).

MTCA Method A soil cleanup levels were selected based on the following information about the site:

- Commercially zoned site
- Petroleum and petroleum components are the only contaminants of concern
- Protective of human health and the environment (TEE referenced above)
- Protective of groundwater quality



### **4.3 GROUNDWATER CLEANUP STANDARDS**

The MTCA Method A target cleanup levels for groundwater were selected as screening levels for this remedial investigation. Those levels have been established for unrestricted land use in accordance with WAC 173-340 and can be found in Table 720-1 (Ecology, 2013).

MTCA Method A soil cleanup levels were selected based on the following information about the site:

- Commercially zoned site
- Site water is not used for or planned to be used for human consumption
- Petroleum and petroleum components are the only contaminants of concern
- Protective of human health and the environment

### **4.4 CLEANUP STANDARDS FOR OTHER MEDIA (INDOOR/AMBIENT AIR, SOIL GAS, SUB-SLAB SOIL GAS)**

Soil gas sampling has not yet been performed at the site, but will need to be performed in the future in order to rule out the vapor pathway. Laboratory analytical results obtained from soil gas samples collected at the site in the future will be compared to the screening levels presented in Table B-1 of the Ecology Draft Vapor Intrusion Guidance (Ecology, 2009).

## **5.0 SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS**

### **5.1 SUMMARY AND CONCLUSIONS**

A remedial investigation was conducted at 6000 Portal Way and 5982 Portal Way in Ferndale, Washington. The investigation was undertaken in an effort to further characterize the subsurface soil and groundwater conditions at the site.

Sixteen hollow stem auger soil borings were advanced to a depth of 14 feet bgs in 2015 and 2016. One or more soil samples were collected from each soil boring location for laboratory analysis to characterize the extent of soil contamination present at the site. Soil sample results indicated that only one soil sample collected in 2015 (B-20 6ft) contained benzene above the MTCA Method A target cleanup level. All other soil samples collected in 2015 and 2016 contained contaminants below the applicable MTCA Method A cleanup level, or did not contain detectable concentrations of the contaminants. In previous investigations at the site, gasoline and diesel range TPH, and BTEX constituents were present at concentrations which exceeded the MTCA Method A target cleanup levels at depths ranging from approximately 2 to 14 feet bgs near the fuel dispenser islands.

Groundwater monitoring wells were installed in each soil boring. The depth to water was determined to be approximately 3 to 6 feet bgs. Groundwater flows towards the southeast. Groundwater sample results indicated that gasoline, diesel, and oil range TPH, and BTEX constituents were present at concentrations which exceeded the MTCA Method A target cleanup levels in several wells to the north, east, and south of the fuel dispenser islands.

Soil gas has not yet been investigated at the site (Section 3.2.3).

Remedial investigation work conducted at the site has fully delineated the lateral and vertical extent of petroleum contamination in the soil and groundwater (Figure 6).

## **5.2 RECOMMENDATIONS**

Upon Ecology approval of this remedial investigation, a feasibility study will be conducted to evaluate potential remedial alternatives for the site. A cleanup action plan will then be prepared for the site, prior to implementation of the chosen remedial alternative.

### **5.2.1 Soil Pathway**

No further evaluation will be conducted on soil at the site until implementation of a remedial alternative.

### **5.2.2 Groundwater Pathway**

During preparation of the feasibility study and cleanup action plan, groundwater monitoring will continue to be conducted on a quarterly basis, to track seasonal and temporal changes of contaminant concentrations in the groundwater.

### **5.2.3 Vapor Pathway**

Since any future remediation at the site will be conducted to fully remove all contamination present, the soil gas investigation will be performed at the site once the site soil and groundwater has been remediated to meet the applicable MTCA Method A target cleanup levels.

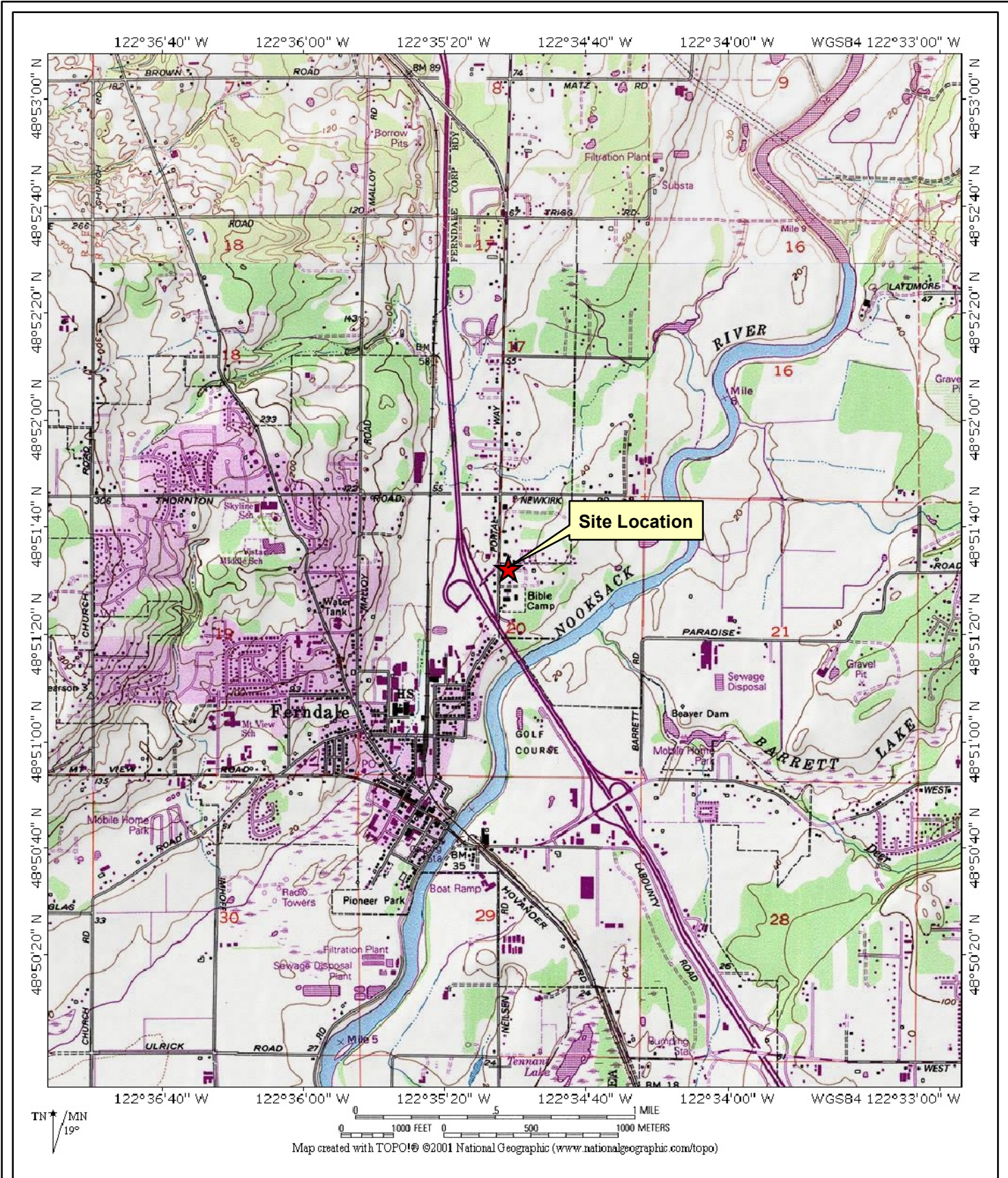
Groundwater data collected at the site will continue to be evaluated using the petroleum vapor intrusion method previously outlined (Section 2.3.2.2), as a screening tool for vapor intrusion until the site is remediated.

---

## 6.0 REFERENCES

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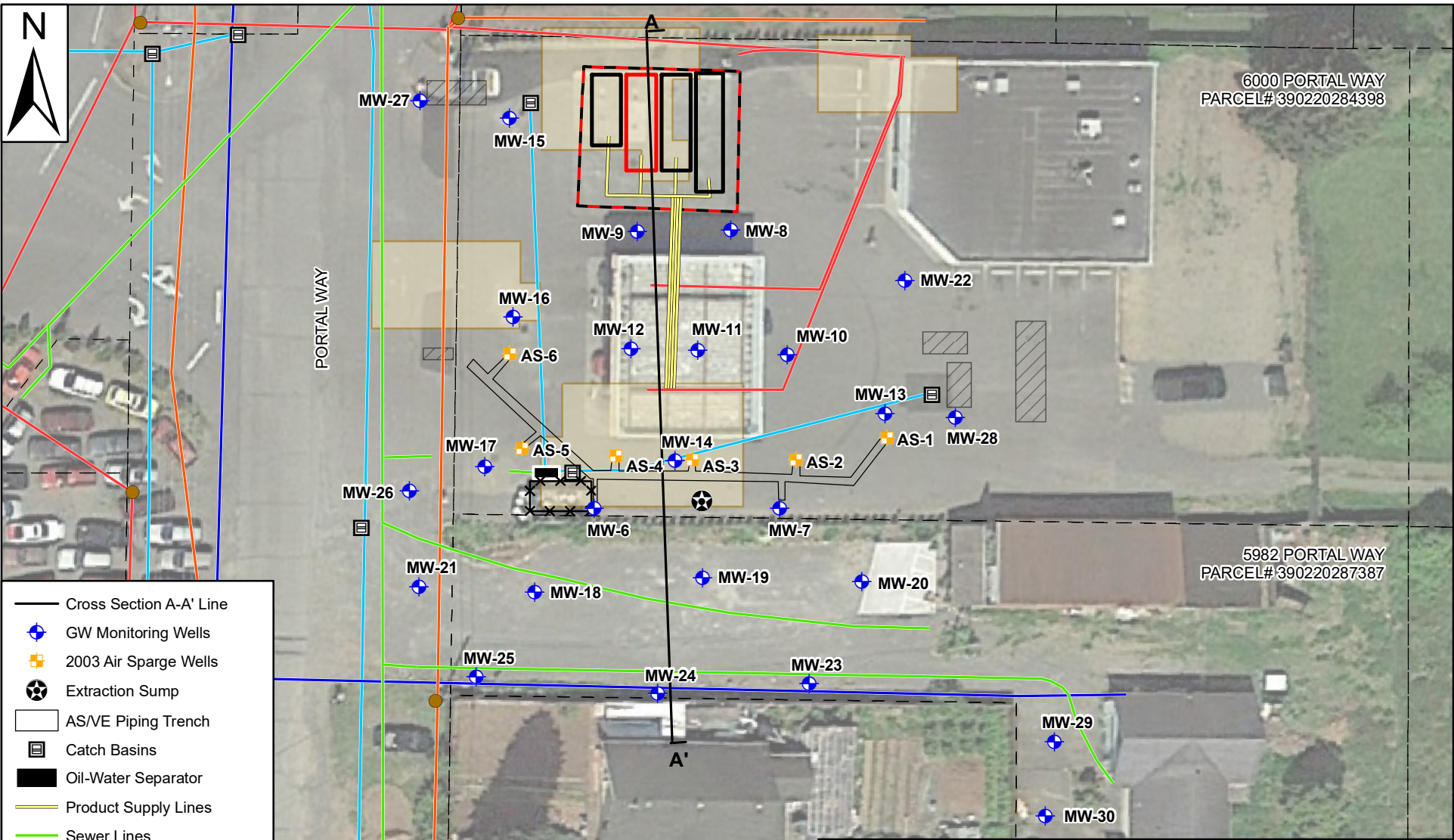


Prepared for:  
**Kris's Mini Mart**

Prepared by:  
**nwhatcom**  
**ENVIRONMENTAL**

Site Location Map  
 Kris's Mini Mart  
 10/17/13  
**Figure 1**

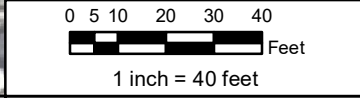




6000 PORTAL WAY  
PARCEL# 390220284398

5982 PORTAL WAY  
PARCEL# 390220287387

- Cross Section A-A' Line
- ◆ GW Monitoring Wells
- ⊕ 2003 Air Sparge Wells
- ⊗ Extraction Sump
- ▭ AS/VE Piping Trench
- ▭ Catch Basins
- ▭ Oil-Water Separator
- Product Supply Lines
- Sewer Lines
- Communication Lines
- Electrical Lines
- Water Lines
- Stormwater Lines
- - - 2014 Tax Parcel Boundaries
- ▭ Historic Building Locations
- ▨ Historic Tank Locations



## Site Map

All data are approximate and should be used for relative location reference only.

2015 aerial photograph obtained online from Google Earth.

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### Kris's Mini Mart

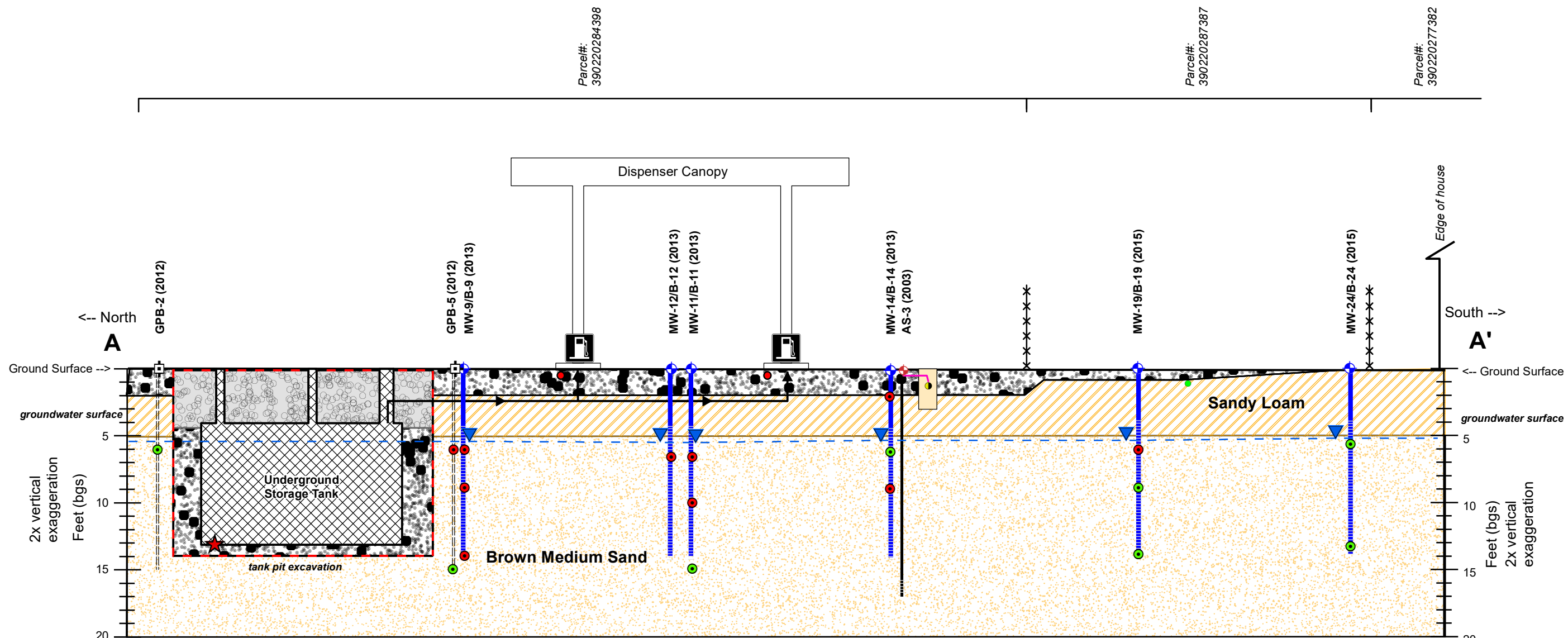
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6000/5982 Portal Way  
Ferndale, WA 98248

Kris's  
Mini Mart  
09/14/16

# Figure 2



▼ - DTW data collected on July 12, 2016

Soil Sample Analytical Results - Kris's Mini Mart							
Sample ID	Date	NW TPH-Gx mg/kg	NW TPH-Dx mg/kg	EPA-8021 Benzene mg/kg	EPA-8021 Toluene mg/kg	EPA-8021 Ethylbenzene mg/kg	EPA-8021 Xylenes mg/kg
<b>MTCA Method A Clean-up Levels</b>		100/30*	2,000	0.03	7	6	9
<b>Table 749-2 Cleanup Levels</b>		200	460	--	--	--	--
GPB-2 6ft	09/10/12	ND(<3.0)	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)
GPB-5 6ft	09/10/12	<b>460</b>	NA	ND(<0.30)	ND(<0.50)	ND(<0.50)	ND(<2.0)
GPB-5 15ft	09/10/12	ND(<3.0)	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)
B-9 (6 ft)	5/7/13	<b>1300</b>	ND(<220)	ND(<0.60)	ND(<1.0)	<b>6.1</b>	7.0
B-9 (9 ft)	5/7/13	92	ND(<25)	ND(<0.06)	0.12	0.19	ND(<0.40)
B-9 (14 ft)	5/7/13	ND(<3.0)	ND(<25)	<b>0.12</b>	0.085	ND(<0.05)	ND(<0.20)
B-11 (6.5 ft)	5/9/13	<b>3000</b>	ND(<220)	ND(<1.5)	<b>36</b>	<b>22</b>	<b>300</b>
B-11 (10 ft)	5/9/13	<b>59</b>	ND(<25)	ND(<0.03)	0.54	0.44	4.2
B-11 (15 ft)	5/9/13	ND(<3.0)	NA	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)
B-12 (6.5 ft)	5/9/13	<b>2600</b>	ND(<220)	ND(<1.2)	ND(<2.0)	2.2	<b>110</b>

\* - Cleanup level dependent on BTEX concentrations  
 ND - indicates analyte was not detected at level above reporting limit (shown in parentheses)  
 NA - indicates that the sample was Not Analyzed for the specified analyte  
**BOLD** - indicates that the concentration in the sample exceeds the MTCA Method A target cleanup levels  
*italics* - indicated that the laboratory reporting limit was raised above the MTCA Method A target cleanup level due to dilution of the sample  
 All samples collected using EPA Method 5035A

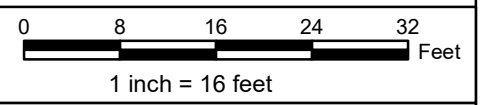
Soil Sample Analytical Results - Kris's Mini Mart							
Sample ID	Date	NW TPH-Gx mg/kg	NW TPH-Dx mg/kg	EPA-8021 Benzene mg/kg	EPA-8021 Toluene mg/kg	EPA-8021 Ethylbenzene mg/kg	EPA-8021 Xylenes mg/kg
<b>MTCA Method A Clean-up Levels</b>		100/30*	2,000	0.03	7	6	9
<b>Table 749-2 Cleanup Levels</b>		200	460	--	--	--	--
B-14 (2 ft)	5/7/13	ND(<130)	<b>2200</b>	ND(<0.30)	ND(<0.50)	ND(<0.50)	ND(<2.0)
B-14 (6 ft)	5/7/13	ND(<3.0)	330	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)
B-14 (9 ft)	5/7/13	ND(<70)	<b>2600</b>	ND(<0.30)	ND(<0.50)	1.1	ND(<2.0)
B-19 (6.5 ft)	4/22/15	<b>460</b>	<b>780</b>	ND(<0.06)	ND(<1)	ND(<1)	ND(<4)
B-19 (9 ft)	4/22/15	ND(<3)	ND(<25)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)
B-19 (14 ft)	4/22/15	ND(<3)	ND(<25)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)
B-24 (5.5-6 ft)	12/3/15	ND(<3)	ND(<25)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)
B-24 (13-14 ft)	12/3/15	ND(<3)	ND(<25)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)

**Soil Samples**

- Exceeded MTCAA
- Met MTCAA
- ◆ Air Sparge (AS) Well
- ◆ AS Piping
- ◆ AS Line
- ◆ AS Trench
- ◆ AS Well Boring
- ◆ GeoProbe
- ◆ GPB Boring
- ◆ GW Monitoring Wells
- ◆ GW Well Borings
- ◆ Product Lines
- Sanitary
- Electrical Conduit
- ★ Release Source
- ✂ Fences
- ◆ Dispensers
- ◆ Pea Gravel
- ◆ Sandy Gravel
- ◆ Sandy Loam
- ◆ Brown Medium Sand

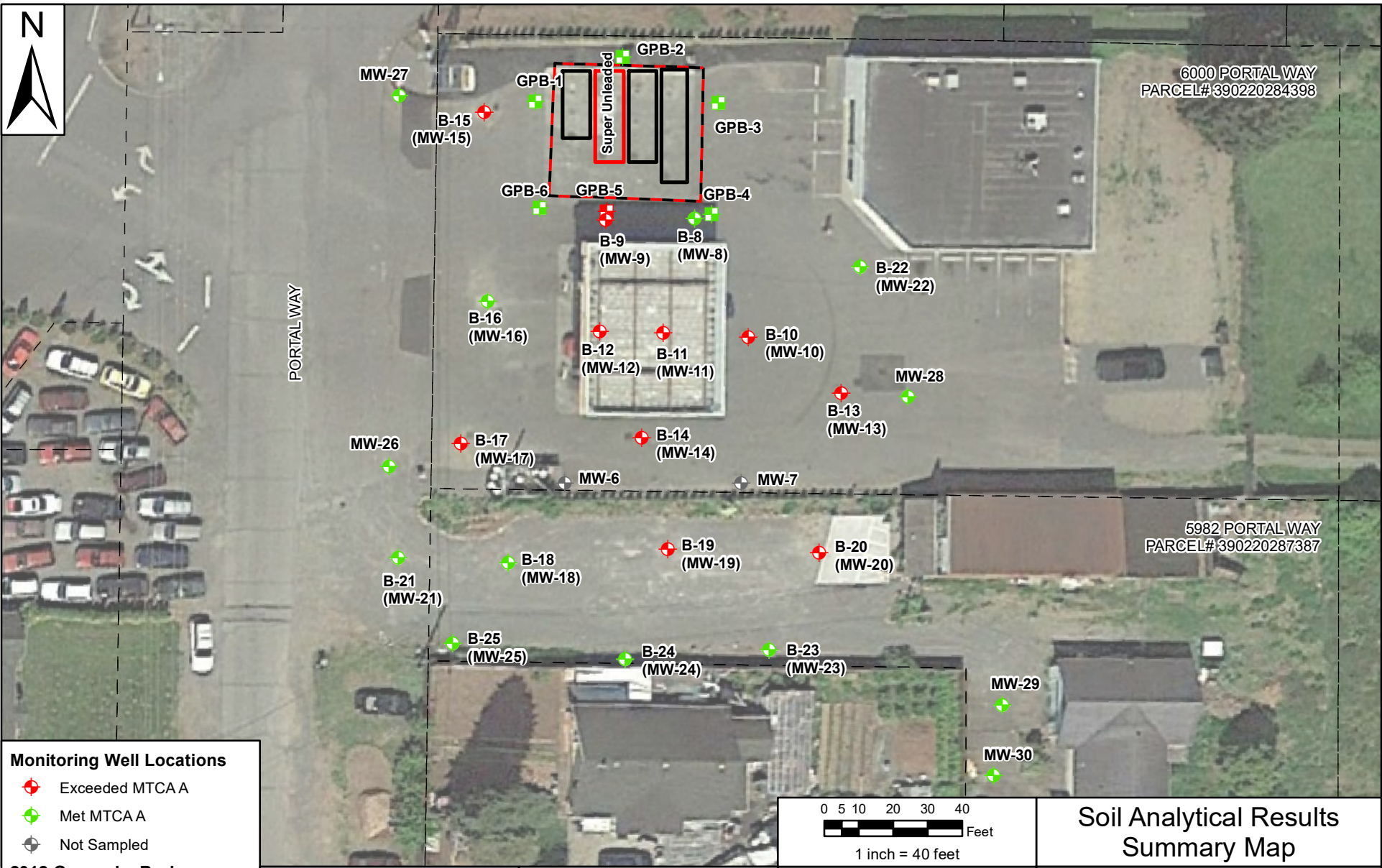
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**Kris's Mini Mart**

Prepared by:  
**nwhatcom ENVIRONMENTAL**



Cross-Section A-A'  
 Kris's Mini Mart  
 09/20/16  
**Figure 3**





**Monitoring Well Locations**

- ◆ Exceeded MTCAA
- ◆ Met MTCAA
- ◆ Not Sampled

**2012 Geoprobe Borings**

- Exceeded MTCAA
- Met MTCAA

2014 Tax Parcel Boundaries  
 UST Pit

All data are approximate and should be used for relative location reference only.

2015 aerial photograph obtained online from Google Earth.

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Kris's Mini Mart

Prepared by:

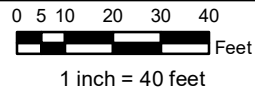
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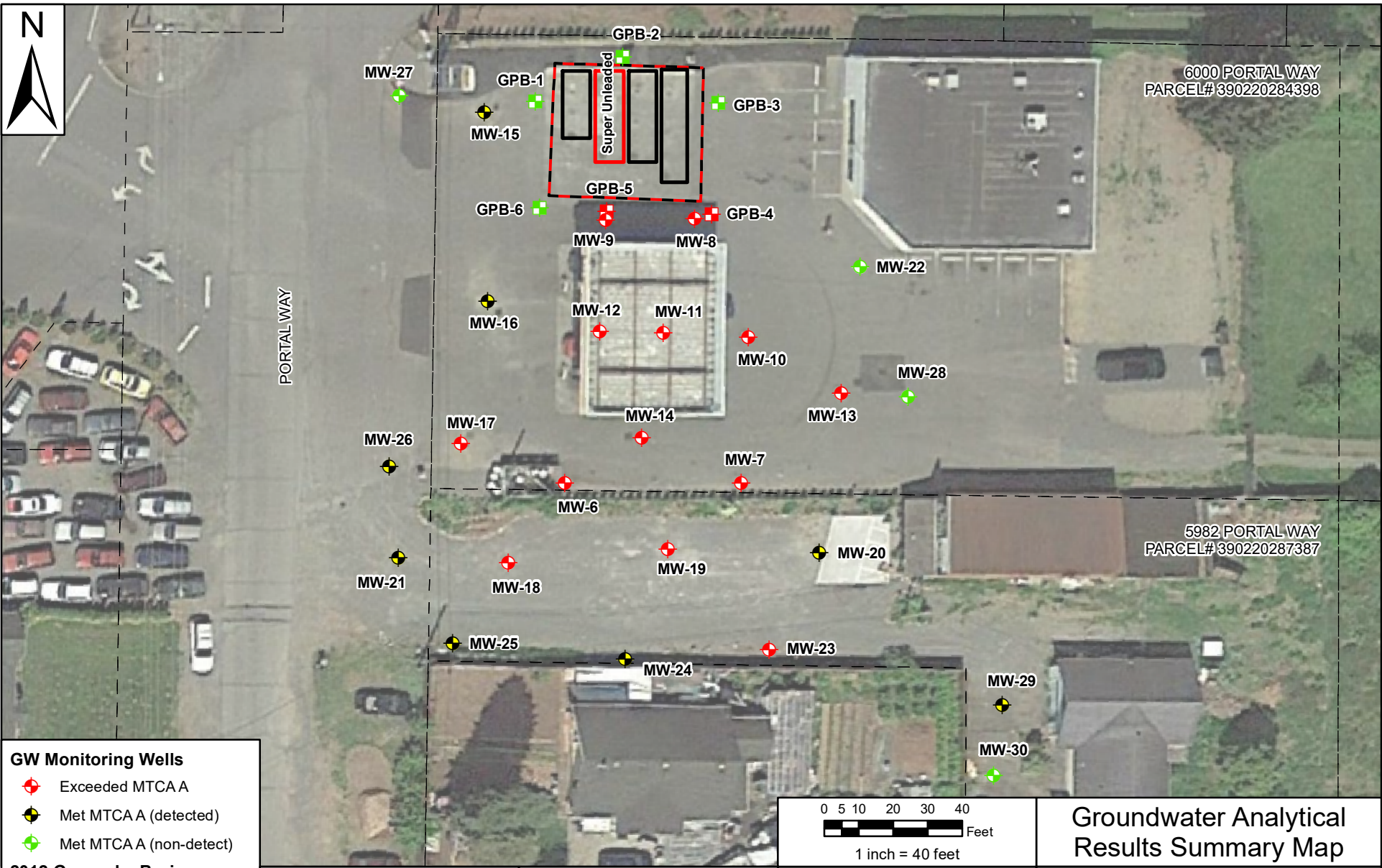
**Soil Analytical Results Summary Map**

6000/5982 Portal Way  
Ferndale, WA 98248

Kris's Mini Mart	Figure 4
09/21/16	







**GW Monitoring Wells**

- ◆ Exceeded MTCAA
- ◆ Met MTCAA (detected)
- ◆ Met MTCAA (non-detect)

**2012 Geoprobe Borings**

- Exceeded MTCAA
- Met MTCAA

2014 Tax Parcel Boundaries  
 UST Pit

All data are approximate and should be used for relative location reference only.

2015 aerial photograph obtained online from Google Earth.

Prepared for:

Kris's Mini Mart

Prepared by:

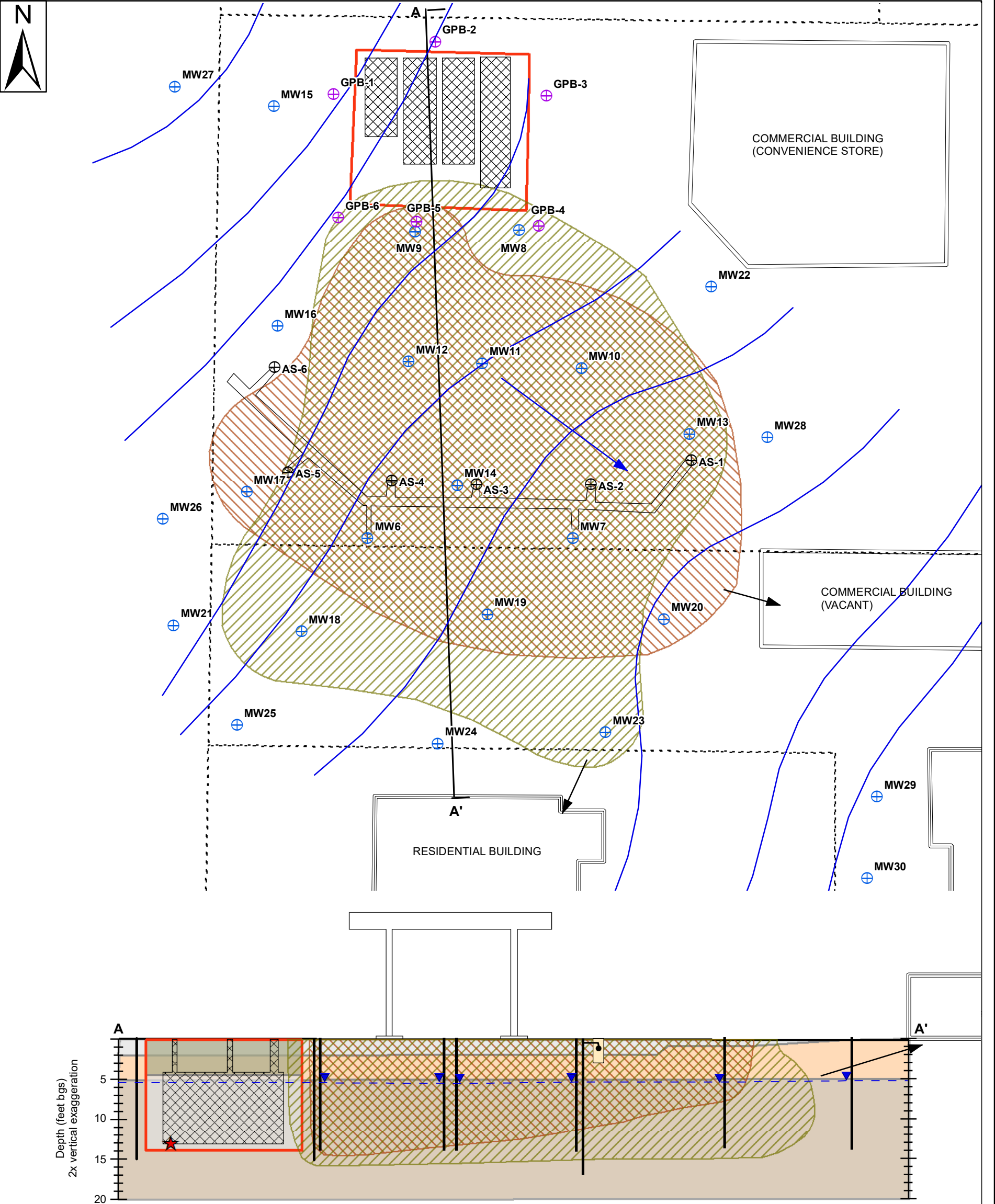
whatcom

ENVIRONMENTAL

Groundwater Analytical Results Summary Map

6000/5982 Portal Way  
Ferndale, WA 98248

Kris's Mini Mart	Figure 5
09/21/16	



Data	Pathways	Contaminant Sources	Potential Receptors
⊕ GeoProbe Soil Borings	■ Pea Gravel	▨ Petroleum Soil Contamination	□ Commercial Business Workers
⊕ GW Monitoring Wells	■ Sandy Gravel	▨ Petroleum Groundwater Contamination	□ Residential Dwelling
⊕ Air Sparge Wells	■ Sandy Loam	★ Contamination Source	
▼ DTW Data (7/12/2016)	■ Medium Sand		
	→ Potential Vapor Pathway		
	→ Groundwater Gradient		
	→ Groundwater Flow Direction		

All data are approximate and should be used as relative location reference only.	0 5 10 20 30 40 50 Feet 1 inch = 25 feet	<b>Conceptual Site Model</b>	
	Prepared for: <b>Kris's Mini Mart</b>	Prepared by: <b>nwhatcom ENVIRONMENTAL</b>	6000/5982 Portal Way Ferndale, WA 98248
		Kris's Mini Mart 10/10/16	<b>Figure 6</b>

**Table 1. Soil Sample Descriptions - Kris's Mini Mart**

<b>Sample ID</b>	<b>Date</b>	<b>Location and Description</b>	<b>PID (ppm)</b>	<b>Sheen Test*</b>
<b>GPB-1 (6 ft)</b>	9/10/2012	Medium sand, brown, loose, wet.	NS	0
<b>GPB-2 (6 ft)</b>	9/10/2012	Medium sand, brown, loose, wet.	NS	0
<b>GPB-3 (6 ft)</b>	9/10/2012	Medium sand, brown, loose, wet.	NS	0
<b>GPB-4 (6.5 ft)</b>	9/10/2012	Medium sand, brown, loose, wet.	VSS	218
<b>GPB-5 (6 ft)</b>	9/10/2012	Medium sand, brown, loose, wet.	MS	428
<b>GPB-5 (15 ft)</b>	9/10/2012	Medium sand, brown, loose, wet.	NS	0
<b>GPB-6 (6 ft)</b>	9/10/2012	Medium sand, brown, loose, wet.	NS	0
<b>B-8 (8.5 ft)</b>	5/7/2013	Medium sand, brown, minor gravel, loose, wet.	NS	128
<b>B-9 (6 ft)</b>	5/7/2013	Medium sand, brown, loose, wet.	MS	821
<b>B-9 (9 ft)</b>	5/7/2013	Medium sand, brown, loose, wet.	SS	860
<b>B-9 (14 ft)</b>	5/7/2013	Medium sand, brown, loose, wet.	NS	11.5
<b>B-10 (6.5 ft)</b>	5/8/2013	Medium sand, brown, loose, wet.	HS	4800
<b>B-10 (14 ft)</b>	5/8/2013	Medium sand, brown, loose, wet.	NS	65
<b>B-11 (6.5 ft)</b>	5/9/2013	Medium sand, brown, loose, wet.	HS	2705
<b>B-11 (10 ft)</b>	5/9/2013	Medium sand, brown, loose, wet.	VSS	564
<b>B-11 (15 ft)</b>	5/9/2013	Medium sand, minor gravel, brown, loose, wet.	NS	2
<b>B-12 (6.5 ft)</b>	5/9/2013	Medium sand, brown, loose, moist.	MS	1516
<b>B-13 (6.5 ft)</b>	5/7/2013	Medium sand, brown, loose, wet.	MS	147
<b>B-13 (14 ft)</b>	5/7/2013	Medium sand, brown, loose, wet.	NS	0.0
<b>B-14 (2 ft)</b>	5/7/2013	Medium sand, minor gravel, brown, loose, moist.	SS	190
<b>B-14 (6 ft)</b>	5/7/2013	Medium sand, brown, loose, moist.	SS	4
<b>B-14 (9 ft)</b>	5/7/2013	Medium sand, brown, loose, wet.	MS	302
<b>B-16 (6.5 ft)</b>	5/9/2013	Medium sand, brown, loose, wet.	HS	2705
<b>B-15 (5 ft)</b>	4/21/2015	Medium sand, reddish-brown, loose, wet.	165	SS
<b>B-15 (9 ft)</b>	4/21/2015	Medium sand, brown, loose, wet.	1	NS
<b>B-16 (6.5 ft)</b>	4/21/2015	Medium sand, reddish-brown, loose, wet.	0	NS
<b>B-16 (9 ft)</b>	4/21/2015	Medium sand, brown, loose, wet.	0	NS
<b>B-17 (2 ft)</b>	4/22/2015	Sand with gravel, dark brown to black, loose, moist.	160	SS
<b>B-17 (4 ft)</b>	4/22/2015	Medium sand, reddish-brown, loose, wet.	95	MS
<b>B-17 (9 ft)</b>	4/22/2015	Medium sand, salt and pepper brown, loose, wet.	4	NS
<b>B-18 (5.5 ft)</b>	4/22/2015	Medium sand, olive brown, loose, wet.	0	NS
<b>B-18 (8 ft)</b>	4/22/2015	Medium sand, salt and pepper gray, loose, wet.	2	NS



**Table 1. Soil Sample Descriptions - Kris's Mini Mart**

<b>Sample ID</b>	<b>Date</b>	<b>Location and Description</b>	<b>PID (ppm)</b>	<b>Sheen Test*</b>
<b>B-18 (14 ft)</b>	4/22/2015	Medium sand, salt and pepper gray, loose, wet.	0	NS
<b>B-19 (6.5 ft)</b>	4/22/2015	Medium sand, salt and pepper gray, loose, wet.	340	MS
<b>B-19 (9 ft)</b>	4/22/2015	Medium sand, salt and pepper gray, loose, wet.	3	NS
<b>B-19 (14 ft)</b>	4/22/2015	Medium sand, salt and pepper gray, loose, wet.	0	NS
<b>B-20 (6 ft)</b>	4/22/2015	Medium sand, brown, loose, wet.	0	NS
<b>B-20 (9 ft)</b>	4/22/2015	Medium sand, salt and pepper gray, loose, wet.	0	NS
<b>B-21 (6.5 ft)</b>	9/30/2015	Silty medium sand, brown, loose, moist to wet.	1.2	VSS
<b>B-21 (7.5 ft)</b>	9/30/2015	Medium sand with minor gravel, brown, loose, wet.	0	NS
<b>B-22 (4 ft)</b>	9/30/2015	Medium sand, brown, loose, moist to dry.	3.5	VSS
<b>B-22 (9 ft)</b>	9/30/2015	Medium sand with silt, brown, loose, wet.	2.1	NS
<b>B-23 (5.5-6 ft)</b>	12/3/2015	Medium sand with minor gravel, brown to reddish brown, loose, wet.	2.3	VSS
<b>B-23 (13-14 ft)</b>	12/3/2015	Medium sand with minor gravel, brown to reddish brown, loose, wet.	2.1	VSS
<b>B-24 (5.5-6 ft)</b>	12/3/2015	Medium sand with silt and minor gravel, brown, loose, wet.	1.1	VSS
<b>B-24 (13-14 ft)</b>	12/3/2015	Medium sand with minor silt, salt and pepper gray, loose, wet.	1.2	NS
<b>B-25 (5.5-6 ft)</b>	12/3/2015	Medium sand with silt and minor gravel, brown to reddish brown, loose, wet.	2.1	VSS
<b>B-25 (13-14 ft)</b>	12/3/2015	Medium sand with minor silt and gravel, salt and pepper gray, loose, wet.	1.2	VSS
<b>MW-26 (6-6.5 ft)</b>	6/29/2016	Fine to medium sand with silt and gravel, dark brown, loose, wet, noticeable odor.	333.0	MS
<b>MW-26 (13.5-14 ft)</b>	6/29/2016	Silty sand with gravel, light greyish brown, loose, wet.	<1	VSS
<b>MW-27 (6-6.5 ft)</b>	6/29/2016	Coarse sand with gravel, brown, loose, wet.	<1	VSS
<b>MW-27 (8.5-9 ft)</b>	6/29/2016	Silty fine sand with gravel, light brown, loose, wet.	<1	NS
<b>MW-28 (6-6.5 ft)</b>	6/29/2016	Clean coarse sand with occasional gravel, light gray, loose, moist.	<1	NS
<b>MW-28 (13-13.5 ft)</b>	6/29/2016	Coarse sand with trace gravel, salt-and-pepper gray, loose, wet.	<1	VSS
<b>MW-29 (6-6.5 ft)</b>	6/30/2016	Coarse sand with trace silt and gravel, gray, loose, wet.	<1	NS

**Table 1. Soil Sample Descriptions - Kris's Mini Mart**

<b>Sample ID</b>	<b>Date</b>	<b>Location and Description</b>	<b>PID (ppm)</b>	<b>Sheen Test*</b>
<b>MW-29 (13.5-14 ft)</b>	6/30/2016	Fine to medium sand with silt and occasional subangular gravel, light gray, loose, wet.	<1	NS
<b>MW-30 (8.5-9 ft)</b>	6/30/2016	Clean coarse sand with gravel, gray, loose, wet.	<1	NS
<b>MW-30 (13.5-14 ft)</b>	6/30/2016	Clean coarse sand with gravel, gray, loose, wet.	<1	NS

\* NS = No Sheen; VSS = Very Slight Sheen; SS = Slight Sheen; MS = Moderate Sheen; HS = Heavy Sheen

**Table 2. Soil Sample Petroleum Analytical Results - Kris's Mini Mart**

Sample ID	Date	NWTPH-Gx Volatile Range mg/kg	NWTPH-Dx Diesel Range mg/kg	NWTPH-Dx Oil Range mg/kg	EPA-8021 Benzene mg/kg	EPA-8021 Toluene mg/kg	EPA-8021 Ethylbenzene mg/kg	EPA-8021 Xylenes mg/kg	EPA-8021 MTBE mg/kg	EPA-8260 EDB mg/kg	EPA-8260 EDC mg/kg	EPA-8270 Naphthalenes** mg/kg	EPA-6020 Lead mg/kg
<b>MTCA Method A Clean-up Levels</b>		100/30*	2,000	2,000	0.03	7	6	9	0.1	0.005	--	5	250
<b>Table 749-2 Cleanup Levels</b>		12,000	15,000	--	--	--	--	--	--	--	--	--	220
<b>GPB-1 (6 ft)</b>	9/10/2012	ND(<3.0)	NA	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)	ND(<0.10)	ND(<0.01)	ND(<0.005)	NA	NA
<b>GPB-2 (6 ft)</b>	9/10/2012	ND(<3.0)	NA	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)	ND(<0.10)	ND(<0.01)	ND(<0.005)	NA	NA
<b>GPB-3 (6 ft)</b>	9/10/2012	ND(<3.0)	NA	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)	ND(<0.10)	ND(<0.01)	ND(<0.005)	NA	NA
<b>GPB-4 (6.5 ft)</b>	9/10/2012	5.2	NA	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)	ND(<0.10)	ND(<0.01)	ND(<0.005)	NA	2.1
<b>GPB-5 (6 ft)</b>	9/10/2012	460	NA	NA	ND(<0.30)	ND(<0.50)	ND(<0.50)	ND(<2.0)	ND(<1.0)	ND(<0.01)	ND(<0.005)	NA	2.2
<b>GPB-5 (15 ft)</b>	9/10/2012	ND(<3.0)	NA	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)	ND(<0.10)	NA	NA	NA	NA
<b>GPB-6 (6 ft)</b>	9/10/2012	ND(<3.0)	NA	NA	ND(<0.030)	ND(<0.050)	ND(<0.050)	ND(<0.20)	ND(<0.10)	ND(<0.01)	ND(<0.005)	NA	NA
<b>B-8 (8.5 ft)</b>	5/7/2013	4.6	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)	ND(<0.10)	ND(<5.0)	ND(<10)	NA	2.0
<b>B-9 (6 ft)</b>	5/7/2013	1,300	ND(<220)	ND(<50)	ND(<0.60)	ND(<1.0)	<b>6.1</b>	7.0	ND(<2.0)	ND(<5.0)	ND(<10)	NA	1.9
<b>B-9 (9 ft)</b>	5/7/2013	92	ND(<25)	ND(<50)	ND(<0.06)	0.12	0.19	ND(<0.40)	ND(<0.20)	NA	NA	NA	NA
<b>B-9 (14 ft)</b>	5/7/2013	ND(<3.0)	ND(<25)	ND(<50)	<b>0.12</b>	0.085	ND(<0.05)	ND(<0.20)	ND(0.10)	NA	NA	NA	NA
<b>B-10 (6.5 ft)</b>	5/8/2013	4,900	ND(<220)	ND(<50)	ND(<3.0)	<b>82</b>	<b>21</b>	<b>300</b>	ND(<10)	ND(<5.0)	ND(<10)	NA	2.1
<b>B-10 (14 ft)</b>	5/8/2013	ND(<3.0)	NA	NA	ND(<0.03)	0.061	ND(<0.05)	0.24	ND(<0.10)	NA	NA	NA	NA
<b>B-11 (6.5 ft)</b>	5/9/2013	3,000	ND(<220)	ND(<50)	ND(<1.5)	<b>36</b>	<b>22</b>	<b>300</b>	ND(<5.0)	ND(<5.0)	ND(<10)	NA	2.3
<b>B-11 (10 ft)</b>	5/9/2013	59	ND(<25)	ND(<50)	ND(<0.03)	0.54	0.44	4.2	ND(<0.10)	NA	NA	NA	NA
<b>B-11 (15 ft)</b>	5/9/2013	ND(<3.0)	NA	NA	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	NA	2
<b>B-12 (6.5 ft)</b>	5/9/2013	2,600	ND(<220)	ND(<50)	ND(<1.2)	ND(<2.0)	2.2	<b>110</b>	ND(<4.0)	NA	NA	NA	NA
<b>B-13 (6.5 ft)</b>	5/7/2013	6.2	ND(<25)	ND(<50)	<b>0.031</b>	0.072	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	NA	NA
<b>B-13 (14 ft)</b>	5/7/2013	ND(<3.0)	NA	NA	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	NA	NA
<b>B-14 (2 ft)</b>	5/7/2013	ND(<130)	2,200	1,400	ND(<0.30)	ND(<0.50)	ND(<0.50)	ND(<2.0)	ND(<1.0)	NA	NA	NA	NA
<b>B-14 (6 ft)</b>	5/7/2013	ND(<3.0)	330	310	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	NA	NA
<b>B-14 (9 ft)</b>	5/7/2013	ND(<70)	2,600	950	ND(<0.30)	ND(<0.50)	1.1	ND(<2.0)	ND(<1.0)	ND(<5.0)	ND(<10)	NA	5.8
<b>B-16 (6.5 ft)</b> <i>(dup of B-11)</i>	5/9/2013	2,600	ND(<220)	ND(<50)	ND(<1.5)	<b>22</b>	<b>15</b>	<b>230</b>	ND(<5.0)	NA	NA	NA	2.2
<b>B-15 (5 ft)</b>	4/21/2015	250	1,400	ND(<100)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<2)	ND(<1)	ND(<0.005)	ND(<0.01)	NA	55
<b>B-15 (9 ft)</b>	4/21/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	NA	NA	NA	NA
<b>B-16 (6.5 ft)</b>	4/21/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	NA	NA	NA	4.4
<b>B-16 (9 ft)</b>	4/21/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	NA	NA	NA	NA
<b>B-17 (2 ft)</b>	4/22/2015	310	3,200	1,100	ND(<0.06)	ND(<1)	ND(<1)	ND(<4)	ND(<2)	ND(<0.005)	ND(<0.01)	NA	NA
<b>B-17 (4 ft)</b>	4/22/2015	8.7	110	200	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	ND(<0.005)	ND(<0.01)	NA	80
<b>B-17 (9 ft)</b>	4/22/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	NA	NA	NA	NA
<b>B-18 (5.5 ft)</b>	4/22/2015	ND(<3)	ND(<25)	61	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	NA	NA	NA	NA
<b>B-18 (8 ft)</b>	4/22/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	ND(<0.005)	ND(<0.01)	NA	2.7
<b>B-18 (14 ft)</b>	4/22/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	ND(<1)	NA	NA	NA	NA

**Table 2. Soil Sample Petroleum Analytical Results - Kris's Mini Mart**

Sample ID	Date	NWTPH-Gx Volatile Range mg/kg	NWTPH-Dx Diesel Range mg/kg	NWTPH-Dx Oil Range mg/kg	EPA-8021 Benzene mg/kg	EPA-8021 Toluene mg/kg	EPA-8021 Ethylbenzene mg/kg	EPA-8021 Xylenes mg/kg	EPA-8021 MTBE mg/kg	EPA-8260 EDB mg/kg	EPA-8260 EDC mg/kg	EPA-8270 Naphthalenes** mg/kg	EPA-6020 Lead mg/kg
<b>MTCA Method A Clean-up Levels</b>		100/30*	2,000	2,000	0.03	7	6	9	0.1	0.005	--	5	250
<b>Table 749-2 Cleanup Levels</b>		12,000	15,000	--	--	--	--	--	--	--	--	--	220
<b>B-19 (6.5 ft)</b>	4/22/2015	460	780	440	<i>ND(&lt;0.06)</i>	ND(<1)	ND(<1)	ND(<4)	<i>ND(&lt;2)</i>	ND(<0.005)	ND(<0.01)	NA	2.7
<b>B-19 (9 ft)</b>	4/22/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	<i>ND(&lt;1)</i>	NA	NA	NA	NA
<b>B-19 (14 ft)</b>	4/22/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	<i>ND(&lt;1)</i>	NA	NA	NA	NA
<b>B-20 (6 ft)</b>	4/22/2015	ND(<3)	ND(<25)	ND(<50)	<b>0.037</b>	0.13	ND(<0.5)	ND(<0.2)	<i>ND(&lt;1)</i>	NA	NA	NA	3
<b>B-20 (9 ft)</b>	4/22/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.5)	ND(<0.5)	ND(<0.2)	<i>ND(&lt;1)</i>	NA	NA	NA	NA
<b>B-21 (6.5 ft)</b>	9/30/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	2.1
<b>B-21 (7.5 ft)</b>	9/30/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>B-22 (4 ft)</b>	9/30/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	2.3
<b>B-22 (9 ft)</b>	9/30/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>B-23 (5.5-6 ft)</b>	12/3/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	2.7
<b>B-23 (13-14 ft)</b>	12/3/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>B-24 (5.5-6 ft)</b>	12/3/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	2.7
<b>B-24 (13-14 ft)</b>	12/3/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>B-25 (5.5-6 ft)</b>	12/3/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	2.3
<b>B-25 (13-14 ft)</b>	12/3/2015	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>MW-26 (6-6.5 ft)</b>	6/29/2016	ND(<76)	2,400	150	<i>ND(&lt;0.30)</i>	ND(<0.50)	ND(<0.50)	ND(<2.0)	<i>ND(&lt;1.0)</i>	ND(<0.005)	ND(<0.01)	ND(<0.02)	32
<b>MW-26 (13.5-14 ft)</b>	6/29/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>MW-27 (6-6.5 ft)</b>	6/29/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	1.9
<b>MW-27 (8.5-9 ft)</b>	6/29/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>MW-28 (6-6.5 ft)</b>	6/29/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>MW-28 (13-13.5 ft)</b>	6/29/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	1.6
<b>MW-29 (6-6.5 ft)</b>	6/30/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA
<b>MW-29 (13.5-14 ft)</b>	6/30/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	1.8
<b>MW-30 (8.5-9 ft)</b>	6/30/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	ND(<0.005)	ND(<0.01)	ND(<0.02)	2.2
<b>MW-30 (13.5-14 ft)</b>	6/30/2016	ND(<3)	ND(<25)	ND(<50)	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.2)	ND(<0.1)	NA	NA	NA	NA

\* - Cleanup level dependent on BTEX concentrations

\*\* - Sum of naphthalene, 1-methyl naphthalene, and 2-methyl naphthalene

ND - indicates analyte was not detected at level above reporting limit (shown in parentheses)

NA - indicates that the sample was Not Analyzed for the specified analyte

**BOLD** - indicates that the concentration in the sample exceeds the MTCA Method A target cleanup levels

*italics* - indicated that the laboratory reporting limit was raised above the MTCA Method A target cleanup level due to dilution of the sample

All samples collected using EPA Method 5035A

**Table 3. Soil Sample cPAH Analytical Results - Kris's Mini Mart**

<b>cPAH</b>	<b>Result*</b> mg/kg	<b>TEF</b>	<b>TEq</b> mg/kg
<b><u>MW-26 6-6.5 ft</u></b>			
Benzo(a)pyrene	ND(<0.02)	1	0.01
Benzo[a]anthracene	ND(<0.02)	0.1	0.001
Benzo(b)fluoranthene	ND(<0.02)	0.1	0.001
Benzo(k)fluoranthene	ND(<0.02)	0.1	0.001
Chrysene	ND(<0.02)	0.01	0.0001
Dibenz(a,h)anthracene	ND(<0.02)	0.1	0.001
Indeno(1,2,3-cd)pyrene	ND(<0.02)	0.1	0.001
		Sum**:	0.015
		MTCA Method A Cleanup Level***:	0.1
		Table 749-2 Cleanup Level***:	300
<b><u>MW-27 6-6.5 ft</u></b>			
Benzo(a)pyrene	ND(<0.02)	1	0.01
Benzo[a]anthracene	ND(<0.02)	0.1	0.001
Benzo(b)fluoranthene	ND(<0.02)	0.1	0.001
Benzo(k)fluoranthene	ND(<0.02)	0.1	0.001
Chrysene	ND(<0.02)	0.01	0.0001
Dibenz(a,h)anthracene	ND(<0.02)	0.1	0.001
Indeno(1,2,3-cd)pyrene	ND(<0.02)	0.1	0.001
		Sum**:	0.015
		MTCA Method A Cleanup Level***:	0.1
		Table 749-2 Cleanup Level***:	300
<b><u>MW-28 13-13.5 ft</u></b>			
Benzo(a)pyrene	ND(<0.02)	1	0.01
Benzo[a]anthracene	ND(<0.02)	0.1	0.001
Benzo(b)fluoranthene	ND(<0.02)	0.1	0.001
Benzo(k)fluoranthene	ND(<0.02)	0.1	0.001
Chrysene	ND(<0.02)	0.01	0.0001
Dibenz(a,h)anthracene	ND(<0.02)	0.1	0.001
Indeno(1,2,3-cd)pyrene	ND(<0.02)	0.1	0.001
		Sum**:	0.015
		MTCA Method A Cleanup Level***:	0.1
		Table 749-2 Cleanup Level***:	300



**Table 3. Soil Sample cPAH Analytical Results - Kris's Mini Mart**

<b>cPAH</b>	<b>Result*</b> mg/kg	<b>TEF</b>	<b>TEq</b> mg/kg
<b>MW-29 13.5-14 ft</b>			
Benzo(a)pyrene	ND(<0.02)	1	0.01
Benzo[a]anthracene	ND(<0.02)	0.1	0.001
Benzo(b)fluoranthene	ND(<0.02)	0.1	0.001
Benzo(k)fluoranthene	ND(<0.02)	0.1	0.001
Chrysene	ND(<0.02)	0.01	0.0001
Dibenz(a,h)anthracene	ND(<0.02)	0.1	0.001
Indeno(1,2,3-cd)pyrene	ND(<0.02)	0.1	0.001
		Sum**:	0.015
		MTCA Method A Cleanup Level***:	0.1
		Table 749-2 Cleanup Level***:	300
<b>MW-30 8.5-9 ft</b>			
Benzo(a)pyrene	ND(<0.02)	1	0.01
Benzo[a]anthracene	ND(<0.02)	0.1	0.001
Benzo(b)fluoranthene	ND(<0.02)	0.1	0.001
Benzo(k)fluoranthene	ND(<0.02)	0.1	0.001
Chrysene	ND(<0.02)	0.01	0.0001
Dibenz(a,h)anthracene	ND(<0.02)	0.1	0.001
Indeno(1,2,3-cd)pyrene	ND(<0.02)	0.1	0.001
		Sum**:	0.015
		MTCA Method A Cleanup Level***:	0.1
		Table 749-2 Cleanup Level***:	300

TEF - Toxicity Equivalency Factor (WAC 173-340-900 table 708.2)

TEq - Toxicity Equivalency to benzo(a)pyrene, calculated by multiplying result by appropriate TEF.

ND - indicates analyte was not detected at level above reporting limit (shown in parentheses)

\* For ND values, the TEF was multiplied by one half the reporting limit

\*\* cPAH level calculated using Toxicity equivalency methodology provided in WAC 173-340-708(8)

\*\*\* Cleanup level of Benzo(a)pyrene

**Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart**

Sample ID	Date	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8260	EPA-8260	EPA-8270 SIM	EPA-200.8
		Gasoline Range µg/L	Diesel Range µg/L	Lube-Oil Range µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE µg/L	EDC µg/L	EDB µg/L	Naphthalenes µg/L	Lead (Dissolved) µg/L
<b>MTCA Method A Clean-up Levels</b>		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	160	15
<b>GPB-1</b>	9/10/2012	ND(<50)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
<b>GPB-2</b>	9/10/2012	ND(<50)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
<b>GPB-3</b>	9/10/2012	ND(<50)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
<b>GPB-4</b>	9/10/2012	<b>7,000</b>	NA	NA	4.8	13	14	49	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
<b>GPB-5</b>	9/10/2012	<b>6,900</b>	NA	NA	ND(<1)	3.3	4	5	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
<b>GPB-6</b>	9/10/2012	ND(<50)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
<b>MW-6</b>	7/26/2005	<b>1,300</b>	<b>1,400</b>	ND(<250)	<b>740</b>	31	9	65	ND(<15)	NA	NA	NA	NA
	10/26/2006	ND(<50)	<b>2,800</b>	<b>1,300</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/14/2007	ND(<50)	<b>740</b>	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	7/11/2007	ND(<50)	<b>4,900</b>	<b>640</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/27/2008	ND(<50)	<b>2,100</b>	420	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/11/2008	ND(<50)	360	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/24/2009	ND(<50)	<b>3,100</b>	390	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/9/2010	ND(<50)	<b>2,200</b>	350	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA	NA
	11/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/16/2011	ND(<50)	<b>810</b>	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	11/3/2011	60	<b>840</b>	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA	NA
	5/23/2013	ND(<50)	<b>7,800</b>	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/30/2015	69	<b>11,000</b>	<b>1,900</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/22/2015	ND(<50)	<b>2,200</b>	400	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/9/2015	ND(<50)	<b>3,000</b>	320	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	ND(<50)	<b>11,000</b>	ND(<500)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/13/2016	ND(<50)	<b>3,800</b>	<b>920</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)
<b>MW-7</b>	7/26/2005	<b>130,000</b>	<b>14,000</b>	<b>5,100</b>	<b>24,000</b>	<b>29,000</b>	<b>1,700</b>	<b>14,000</b>	ND(<1500)	NA	NA	NA	NA
	10/26/2006	ND(<50)	<b>1,600</b>	<b>790</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/14/2007	ND(<50)	<b>900</b>	<b>540</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	7/11/2007	ND(<50)	320	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/27/2008	ND(<50)	500	280	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/11/2008	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/24/2009	56	340	250	ND(<1)	ND(<1)	1	ND(<3)	ND(<3)	NA	NA	NA	NA
	2/9/2010	ND(<50)	<b>500</b>	310	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA	NA
	11/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/16/2011	<b>1,100</b>	ND(<130)	ND(<250)	<b>15</b>	34	25	250	ND(<3)	NA	NA	NA	NA
	11/3/2011	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA	NA
	5/23/2013	460	<b>510</b>	ND(<250)	3.3	69	1.7	60.0	ND(<3)	NA	NA	NA	NA
	5/23/2013 (dup. MW-17)	530	490	ND(<250)	3.8	79	1.9	72.0	ND(<3)	NA	NA	NA	NA
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2015	340	400	270	1.5	14	2.4	57	ND(<3)	NA	NA	NA	NA
	9/22/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	1.4	ND(<3)	ND(<3)	NA	NA	0.18	NA
	12/9/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	ND(<50)	<b>540</b>	400	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/13/2016	150	<b>570</b>	290	1.2	ND(<1)	ND(<1)	30	ND(<3)	ND(<0.02)	ND(<0.01)	0.38	ND(<1)

**Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart**

Sample ID	Date	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8260	EPA-8260	EPA-8270 SIM	EPA-200.8
		Gasoline Range µg/L	Diesel Range µg/L	Lube-Oil Range µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE µg/L	EDC µg/L	EDB µg/L	Naphthalenes µg/L	Lead (Dissolved) µg/L
<b>MTCA Method A Clean-up Levels</b>		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	160	15
<b>MW-8</b>	5/22/2013	<b>6,100</b>	ND(<250)	ND(<250)	<b>43</b>	6.4	5.9	16	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/12/2013	<b>990</b>	ND(<250)	ND(<250)	2.5	2.6	2.3	3.7	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013	<b>960</b>	250	ND(<250)	ND(<1)	2.2	1.6	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/6/2014	<b>1,700</b>	160	ND(<250)	<b>46</b>	24.0	3.4	12	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	4/29/2015	<b>2,500</b>	280	ND(<250)	<b>38</b>	30	4.5	16	ND(<3)	NA	NA	NA	NA
	9/22/2015	460	300	ND(<250)	1.2	2.4	1.6	ND(<3)	ND(<3)	NA	NA	8.72	NA
	12/9/2015	440	160	ND(<250)	ND(<1)	1.2	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.38	NA
	2/9/2016	<b>5,500</b>	300	ND(<250)	<b>6.2</b>	ND(<5)	24	100	ND(<15)	NA	NA	16.5	NA
	7/13/2016	710	340	ND(<250)	1.8	2.3	2	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	11.2	ND(<1)
<b>MW-9</b>	5/22/2013	<b>4,000</b>	ND(<250)	ND(<250)	<b>40</b>	5.9	9.7	49	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/12/2013	<b>3,500</b>	ND(<250)	ND(<250)	<b>22</b>	2.4	8.7	57	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013	<b>1,000</b>	ND(<130)	ND(<250)	<b>6.3</b>	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013 (dup. MW-15)	<b>970</b>	ND(<130)	ND(<250)	<b>5.2</b>	ND(<1)	ND(<1)	3.5	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/6/2014	<b>800</b>	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	7.8	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	4/29/2015	<b>1,400</b>	150	ND(<250)	ND(<1)	ND(<1)	3.5	21	ND(<3)	NA	NA	NA	NA
	9/22/2015	<b>1,600</b>	ND(<130)	ND(<250)	ND(<1)	1.1	8.5	48	ND(<3)	NA	NA	46.7	NA
	12/8/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	<b>1,400</b>	ND(<130)	ND(<250)	ND(<1)	ND(<1)	6.5	38	ND(<3)	NA	NA	10.73	NA
7/13/2016	<b>3,200</b>	360	ND(<250)	ND(<2)	ND(<2)	12.0	61	ND(<6)	ND(<0.02)	ND(<0.01)	40.6	ND(<1)	
<b>MW-10</b>	5/22/2013	<b>12,000</b>	ND(<250)	ND(<250)	3.9	<b>1,200</b>	180	<b>1,600</b>	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/12/2013	<b>2,400</b>	ND(<130)	ND(<250)	<b>6.9</b>	130	38	290	ND(<6)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013	690	ND(<130)	ND(<250)	1.7	87	5.1	78	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/6/2014	<b>6,300</b>	270	ND(<250)	ND(<5)	510	60	<b>1,000</b>	ND(<15)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	4/30/2015	<b>3,900</b>	180	ND(<250)	2.3	190	63	470	ND(<3)	NA	NA	NA	NA
	9/21/2015	270	ND(<130)	ND(<250)	ND(<1)	17	4.4	53	ND(<3)	NA	NA	1.28	NA
	12/9/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/9/2015 (dup. WES-1)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/10/2016	<b>7,700</b>	<b>900</b>	ND(<250)	ND(<10)	320	120	<b>1,100</b>	ND(<30)	NA	NA	48.4	NA
7/13/2016	<b>14,000</b>	<b>560</b>	ND(<250)	<b>11.0</b>	520	210	<b>1,800</b>	ND(<30)	ND(<0.02)	ND(<0.01)	78	ND(<1)	
<b>MW-11</b>	5/22/2013	<b>41,000</b>	ND(<2500)	ND(<250)	<b>18</b>	<b>2,400</b>	<b>740</b>	<b>7,300</b>	ND(<30)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/12/2013	<b>39,000</b>	ND(<630)	ND(<250)	<b>66</b>	<b>2,100</b>	<b>910</b>	<b>7,200</b>	ND(<75)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013	<b>20,000</b>	<b>1,500</b>	ND(<250)	ND(<20)	<b>1,300</b>	430	<b>4,200</b>	ND(<60)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/6/2014	<b>34,000</b>	<b>2,500</b>	ND(<250)	ND(<25)	<b>1,600</b>	660	<b>6,800</b>	ND(<75)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	4/30/2015	<b>15,000</b>	<b>3,900</b>	ND(<250)	<b>22</b>	290	180	<b>2,700</b>	ND(<60)	NA	NA	NA	NA
	9/21/2015	<b>36,000</b>	<b>1,500</b>	ND(<250)	<b>31</b>	970	<b>1,000</b>	<b>8,900</b>	ND(<60)	NA	NA	153	NA
	12/9/2015	<b>2,500</b>	200	ND(<250)	1.5	16	30	440	ND(<3)	NA	NA	0.71	NA
	2/11/2016	<b>29,000</b>	<b>2,200</b>	ND(<250)	ND(<50)	420	320	<b>5,400</b>	ND(<150)	NA	NA	76.3	NA
	7/13/2016	<b>53,000</b>	<b>1,600</b>	ND(<250)	ND(<50)	310	<b>890</b>	<b>9,800</b>	ND(<150)	ND(<0.02)	ND(<0.01)	21.8	ND(<1)

**Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart**

Sample ID	Date	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8260	EPA-8260	EPA-8270 SIM	EPA-200.8
		Gasoline Range µg/L	Diesel Range µg/L	Lube-Oil Range µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE µg/L	EDC µg/L	EDB µg/L	Naphthalenes µg/L	Lead (Dissolved) µg/L
<b>MTCA Method A Clean-up Levels</b>		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	160	15
MW-12	5/22/2013	<b>31,000</b>	ND(<2500)	ND(<250)	<b>120</b>	880	290	<b>5,900</b>	ND(<75)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/13/2013	<b>41,000</b>	ND(<1300)	ND(<250)	ND(<50)	<b>1,000</b>	400	<b>8,400</b>	ND(<150)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/13/2013 (dup. MW-15)	<b>37,000</b>	ND(<630)	ND(<250)	ND(<25)	880	340	<b>7,500</b>	ND(<75)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013	<b>14,000</b>	<b>2,500</b>	ND(<250)	ND(<10)	220	110	<b>2,800</b>	ND(<30)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/6/2014	<b>14,000</b>	<b>2,800</b>	ND(<250)	ND(<10)	310	130	<b>2,800</b>	ND(<30)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/6/2014 (dup. MW-15)	<b>12,000</b>	<b>2,200</b>	ND(<250)	ND(<10)	250	110	<b>2,400</b>	ND(<30)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	4/30/2015	<b>11,000</b>	<b>2,500</b>	ND(<250)	ND(<20)	90	110	<b>2,300</b>	ND(<60)	NA	NA	NA	NA
	9/21/2015	<b>1,300</b>	ND(<130)	ND(<250)	ND(<1)	23	19	<b>320</b>	ND(<3)	NA	NA	3.28	NA
	12/9/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/11/2016	<b>5,300</b>	<b>2,800</b>	ND(<250)	ND(<5)	40	44	830	ND(<15)	NA	NA	1.24	NA
	7/13/2016	<b>25,000</b>	<b>1,500</b>	300	ND(<20)	88	190	<b>3,500</b>	ND(<60)	ND(<0.02)	ND(<0.01)	39.2	ND(<1)
MW-13	5/22/2013	<b>2,000</b>	ND(<250)	ND(<250)	<b>8.3</b>	6.8	38	200	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/13/2013	65	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	8.8	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013	<b>3,100</b>	320	ND(<250)	ND(<5)	57	48	700	ND(<15)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/7/2014	81	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	10	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	4/29/2015	300	160	ND(<250)	2	ND(<1)	4.5	38	ND(<3)	NA	NA	NA	NA
	9/21/2015	<b>870</b>	230	ND(<250)	1.2	5	16	150	ND(<3)	NA	NA	13.3	NA
	12/9/2015	<b>1,100</b>	330	ND(<250)	1.2	6.8	12	190	ND(<3)	NA	NA	5.16	NA
	2/10/2016	340	ND(<130)	ND(<250)	ND(<1)	ND(<1)	2.3	7.6	ND(<3)	NA	NA	0.47	NA
7/14/2016	<b>1,300</b>	ND(<130)	ND(<250)	1.2	7.1	12.0	170.0	ND(<3)	ND(<0.02)	ND(<0.01)	4.1	ND(<1)	
MW-14	5/22/2013	460	<b>1,000</b>	ND(<250)	ND(<1)	ND(<1)	6.9	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	5/22/2013 (dup. MW-15)	480	<b>890</b>	ND(<250)	ND(<1)	ND(<1)	6.8	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	8/13/2013	ND(<50)	280	ND(<250)	ND(<1)	ND(<1)	2.0	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	11/14/2013	ND(<50)	480	380	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	2/7/2014	ND(<50)	470	<b>550</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	ND(<1)
	4/29/2015	ND(<50)	ND(<130)	<b>1,000</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/21/2015	ND(<50)	350	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/8/2015	ND(<50)	ND(<130)	410	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/10/2016	54	380	<b>640</b>	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
7/14/2016	ND(<50)	160	270	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)	
MW-15	4/29/2015	58	200	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/22/2015	ND(<50)	160	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.10	NA
	12/8/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/12/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)
MW-16	4/29/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	4/29/2015 (dup. WES-1)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/21/2015	ND(<50)	180	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/8/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/11/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/12/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.021	ND(<0.01)	ND(<0.02)	ND(<1)

**Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart**

Sample ID	Date	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8260	EPA-8260	EPA-8270 SIM	EPA-200.8
		Gasoline Range µg/L	Diesel Range µg/L	Lube-Oil Range µg/L	Benzene µg/L	Toluene µg/L	Ethylbenzene µg/L	Xylenes µg/L	MTBE µg/L	EDC µg/L	EDB µg/L	Naphthalenes µg/L	Lead (Dissolved) µg/L
<b>MTCA Method A Clean-up Levels</b>		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	160	15
<b>MW-17</b>	4/29/2015	110	<b>880</b>	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/21/2015	ND(<50)	430	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	1.72	NA
	12/8/2015	ND(<50)	170	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	2.12	NA
	2/9/2016	69	240	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.49	NA
	7/13/2016	ND(<50)	300	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.075	ND(<0.01)	2.70	ND(<1)
7/13/2016 (dup. WES-1)	69	300	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.066	ND(<0.01)	2.69	ND(<1)	
<b>MW-18</b>	4/29/2015	ND(<50)	<b>1,000</b>	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/21/2015	ND(<50)	430	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.10	NA
	12/8/2015	ND(<50)	190	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	ND(<50)	240	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.11	NA
	7/13/2016	ND(<50)	<b>570</b>	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.049	ND(<0.01)	0.11	ND(<1)
<b>MW-19</b>	4/29/2015	<b>1,300</b>	<b>3,000</b>	410	2.5	2.7	3.8	21	ND(<3)	NA	NA	NA	NA
	9/21/2015	ND(<50)	<b>700</b>	350	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.13	NA
	12/8/2015	ND(<50)	270	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	230	<b>750</b>	ND(<250)	ND(<1)	ND(<1)	2.1	16	ND(<3)	NA	NA	1.04	NA
	7/12/2016	310	<b>790</b>	350	1.1	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	0.40	ND(<1)
<b>MW-20</b>	4/29/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/21/2015	ND(<50)	260	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	9/21/2015 (dup. WES-1)	ND(<50)	250	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/9/2015	ND(<50)	420	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.08	NA
	2/10/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
7/12/2016	ND(<50)	170	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)	
<b>MW-21</b>	10/9/2015 (MW-22)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/9/2015 (MW-22)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/13/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.023	ND(<0.01)	ND(<0.02)	ND(<1)
<b>MW-22</b>	10/9/2015 (MW-21)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/8/2015 (MW-21)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/10/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/13/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)
<b>MW-23</b>	12/8/2015	ND(<50)	<b>670</b>	ND(<250)	1.3	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	0.39	NA
	2/10/2016	290	<b>2,300</b>	360	4.7	ND(<1)	1.8	ND(<3)	ND(<3)	NA	NA	9.14	NA
	2/10/16 (dup. WES-1)	280	<b>2,500</b>	390	4.6	ND(<1)	1.6	ND(<3)	ND(<3)	NA	NA	7.65	NA
	7/12/2016	130	500	ND(<250)	1.2	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.021	ND(<0.01)	0.29	ND(<1)
<b>MW-24</b>	12/8/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/10/2016	ND(<50)	210	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/12/2016	ND(<50)	280	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.041	ND(<0.01)	ND(<0.02)	ND(<1)
<b>MW-25</b>	12/8/2015	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	2/9/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	7/12/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.036	ND(<0.01)	ND(<0.02)	ND(<1)

**Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart**

Sample ID	Date	NWTPH-Gx Gasoline Range µg/L	NWTPH-Dx Diesel Range µg/L	NWTPH-Dx Lube-Oil Range µg/L	EPA-8021 Benzene µg/L	EPA-8021 Toluene µg/L	EPA-8021 Ethylbenzene µg/L	EPA-8021 Xylenes µg/L	EPA-8021 MTBE µg/L	EPA-8260 EDC µg/L	EPA-8260 EDB µg/L	EPA-8270 SIM Naphthalenes µg/L	EPA-200.8 Lead (Dissolved) µg/L
<b>MTCA Method A Clean-up Levels</b>		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	160	15
<b>MW-26</b>	7/13/2016	64	420	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.022	ND(<0.01)	0.03	ND(<1)
<b>MW-27</b>	7/12/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)
<b>MW-28</b>	7/14/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)
<b>MW-29</b>	7/12/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	0.021	ND(<0.01)	ND(<0.02)	ND(<1)
<b>MW-30</b>	7/12/2016	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)
<b>Equipment Blank</b>	5/22/2013 (MW-16)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
	5/23/2013 (MW-18)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
	8/13/2013 (MW-16)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
	11/14/2013 (MW-16)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
	2/6/2014 (MW-16)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	NA	NA
	4/29/2015 (WES-2)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA	NA
	9/22/2015 (WES-2)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
	12/9/2015 (WES-2)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA
2/10/2016 (WES-2)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	ND(<0.02)	NA	
7/14/2016 (WES-2)	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<0.02)	ND(<1)	

\* - Cleanup level dependent on BTEX concentrations

ND - indicates analyte was not detected at level above reporting limit (shown in parentheses)

NA - indicates that the sample was Not Analyzed for the specified analyte

**BOLD** - indicates that the concentration in the sample exceeds the MTCA Method A target cleanup levels

*italics* - indicated that the laboratory reporting limit was raised above the MTCA Method A target cleanup level due to dilution of the sample

NOTES:

- VE System turned on 9/10/2004. AS System turned on 11/8/2004.

- As of 7/11/07, all wells are sampled using a "low-flow" sample collection technique

- As of 4/29/15 wells MW-1 through MW-5 were removed from the site and replaced with wells MW-13 through MW-17

- As of 2/9/16, all wells are sampled using PVI method

**Table 5. Groundwater Chemistry Parameters - Kris's Mini Mart**

Well ID	Date	DTW (Ft)	Temp (°C)	EC (mS/cm)	TDS	Salinity	DO (mg/L)	pH	ORP (mV)	Turbidity NTU
<b>MW-6</b>	5/23/2013	3.93	14.14	0.341	0.221	0.16	0.07	6.46	10.8	NA
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/30/2015	3.84	14.54	0.331	0.215	0.16	0.05	6.73	-103.9	NA
	9/22/2015	5.88	19.81	0.399	0.261	0.19	0.2	6.83	-47.4	NA
	12/9/2015	3.69	14.31	0.283	0.184	0.14	1.69	6.63	102.3	NA
	2/9/2016	3.53	11.78	0.281	0.183	0.13	10.17	6.82	140.2	4.57
	7/13/2016	5.15	19.14	0.229	0.149	0.11	0.09	6.62	-21.6	3.41
<b>MW-7</b>	5/23/2013	4.21	14.24	0.333	0.216	0.16	0.02	6.99	-13.4	NA
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA
	4/29/2015	4.06	14.68	0.321	0.209	0.15	0.16	6.74	48	NA
	9/21/2015	6.2	18.23	0.33	0.214	0.16	0.69	6.71	-50.7	NA
	12/9/2015	NA	15.4	0.386	0.251	0.19	1.09	6.8	74.2	NA
	2/9/2016	3.74	11.7	0.306	0.199	0.15	1.86	6.46	114.1	3.78
	7/16/2016	5.44	18.9	0.327	0.213	0.16	0.13	7.35	-52.7	4.14
<b>MW-8</b>	5/23/2013	4.05	14.53	0.221	0.144	0.11	0.28	6.44	-17.3	NA
	8/12/2013	5.45	19.43	0.288	0.187	0.14	0.15	6.5	-58.6	NA
	11/14/2013	4.44	14.73	0.231	0.15	0.11	0.03	6.9	-56.8	NA
	2/6/2014	3.90	8.02	0.282	0.183	0.13	1.27	6.59	23.3	NA
	4/29/2015	3.94	12.83	0.28	0.182	0.13	0.47	6.3	48.4	NA
	9/22/2015	5.99	19.46	0.322	0.209	0.15	0.14	6.83	-47.8	NA
	12/9/2015	4.00	13.94	0.293	0.19	0.14	1.62	6.42	68.5	NA
	2/9/2016	3.58	10.12	0.199	0.129	0.09	2.69	6.06	-19.7	5.25
	7/13/2016	5.28	18.71	0.236	0.154	0.11	1.18	7.19	-111.3	1.21
<b>MW-9</b>	5/23/2013	4.09	12.62	0.207	0.134	0.10	0.20	6.41	38.0	NA
	8/12/2013	5.48	17.89	0.262	0.17	0.12	0.11	6.49	-67.4	NA
	11/14/2013	4.47	15.17	0.258	0.168	0.12	0.19	6.67	9.1	NA
	2/6/2014	3.95	8.19	0.208	0.135	0.10	1.57	6.61	72.9	NA
	4/29/2015	3.99	11.97	0.198	0.128	0.09	0.63	6.18	109.5	NA
	9/22/2015	6	19.71	0.286	0.186	0.14	0.15	6.83	-40.9	NA
	12/8/2015	3.94	14.86	0.372	0.242	0.18	0.76	6.71	40.4	NA
	2/9/2016	3.65	10.41	0.211	0.137	0.10	2.43	6.03	-3.4	1.5
	7/13/2016	5.3	18.17	0.188	0.122	0.09	1.12	7.12	-188.6	1.17
<b>MW-10</b>	5/23/2013	4.22	13.46	0.309	0.201	0.15	0.15	6.6	16.1	NA
	8/12/2013	5.63	17.4	0.283	0.184	0.14	0.12	6.67	-18.3	NA
	11/14/2013	4.66	14.75	0.273	0.177	0.13	0.02	6.77	-47.4	NA
	2/6/2014	4.06	9.23	0.274	0.178	0.13	0.16	6.73	-47.9	NA
	4/30/2015	4.11	12.85	0.276	0.179	0.13	0.17	6.74	-54.7	NA
	9/21/2015	6.2	17.82	0.336	0.218	0.16	0.14	6.82	12.1	NA
	12/9/2015	4.15	14.31	0.351	0.228	0.17	0.17	6.83	115.4	NA
	2/10/2016	3.73	12.38	0.282	0.183	0.14	0.19	6.34	-122	4.25
	7/13/2016	5.47	17.9	0.292	0.19	0.14	1	6.97	-208.8	0.77

**Table 5. Groundwater Chemistry Parameters - Kris's Mini Mart**

Well ID	Date	DTW (Ft)	Temp (°C)	EC (mS/cm)	TDS	Salinity	DO (mg/L)	pH	ORP (mV)	Turbidity NTU
<b>MW-11</b>	5/23/2013	4.32	12.7	0.525	0.164	0.12	0.27	6.5	15.5	NA
	8/12/2013	5.71	16.72	0.24	0.156	0.11	0.16	6.5	-48.6	NA
	11/14/2013	4.71	15.13	0.236	0.153	0.11	0.02	7.08	-141.5	NA
	2/6/2014	4.16	8.97	0.264	0.171	0.13	0.25	6.67	-45.1	NA
	4/30/2015	4.2	12.99	0.273	0.177	0.13	0.1	6.73	-46.8	NA
	9/21/2015	6.26	17.3	0.284	0.185	0.14	0.2	6.83	-55	NA
	12/9/2015	4.2	14.08	0.344	0.224	0.17	0.33	6.82	80.2	NA
	2/11/2016	3.85	11.58	0.267	0.173	0.13	0.31	6.16	29.7	9.92
7/13/2016	5.55	16.93	0.253	0.165	0.12	1.17	7.01	-163.5	1.76	
<b>MW-12</b>	5/23/2013	4.19	12.64	0.287	0.187	0.14	0.17	6.63	28.6	NA
	8/12/2013	5.55	17.17	0.25	0.163	0.12	1.06	6.58	-17.2	NA
	11/14/2013	4.58	16.67	0.259	0.169	0.12	0.04	6.89	-90.6	NA
	2/6/2014	4.02	9.84	0.289	0.188	0.14	0.32	6.81	-32.5	NA
	4/30/2015	4.05	12.58	0.304	0.198	0.15	0.19	6.71	-30.4	NA
	9/21/2015	6.09	18.23	0.31	0.201	0.15	0.16	6.84	-1.5	NA
	12/10/2015	4.01	14.51	0.375	0.244	0.18	0.22	6.83	79.9	NA
	2/11/2016	3.72	11.98	0.33	0.22	0.16	0.8	6.37	84.4	5.2
7/13/2016	5.36	17.51	0.235	0.152	0.11	1.26	7.02	-198.3	4.88	
<b>MW-13</b>	5/23/2013	3.87	14.95	0.24	0.156	0.11	0.13	6.58	44.6	NA
	8/12/2013	5.29	19.71	0.283	0.184	0.13	0.56	6.66	35.3	NA
	11/14/2013	4.32	15.48	0.287	0.186	0.14	0.27	6.74	-13	NA
	2/7/2014	3.69	9.89	0.286	0.186	0.14	3.02	6.66	30.0	NA
	4/29/2015	3.73	14.78	0.231	0.15	0.11	0.13	6.73	157.3	NA
	9/21/2015	5.88	19.02	0.304	0.197	0.15	0.38	6.82	57.0	NA
	12/9/2015	3.83	13.78	0.321	0.209	0.15	0.18	6.83	171.9	NA
	2/10/2016	3.36	11.75	0.278	0.181	0.13	1.66	6.4	116.6	1.66
7/14/2016	5.13	20.48	0.262	0.17	0.12	0.17	7.24	-81.8	2.49	
<b>MW-14</b>	5/23/2013	3.99	14.38	0.274	0.178	0.13	0.32	6.76	40.8	NA
	8/12/2013	5.36	21.02	0.246	0.16	0.12	1.24	6.86	34.1	NA
	11/14/2013	4.25	16.73	0.276	0.179	0.13	1.57	6.97	48.7	NA
	2/7/2014	3.82	10.92	0.280	0.182	0.13	0.44	7.01	46.2	NA
	4/29/2015	3.87	14.79	0.279	0.181	0.13	0.32	6.73	166	NA
	9/21/2015	5.94	19.17	0.321	0.209	0.16	0.72	6.74	-23.3	NA
	12/8/2015	3.83	15.47	0.340	0.221	0.16	3.15	6.79	216.8	NA
	2/10/2016	3.54	11.98	0.290	0.188	0.14	6.03	6.53	92.5	1.94
7/14/2016	5.2	18.5	0.270	0.176	0.13	5.35	7.24	-46.1	1.84	
<b>MW-15</b>	4/29/2015	3.46	13.32	0.291	0.189	0.14	0.22	6.54	168.5	NA
	9/22/2015	5.34	18.63	0.388	0.252	0.19	0.16	6.82	59.3	NA
	12/8/2015	3.29	14.52	0.362	0.235	0.17	0.86	6.79	97.5	NA
	2/9/2016	3.15	12.3	0.317	0.206	0.15	1.9	6.47	-29.7	2.35
	7/12/2016	4.69	20.51	0.317	0.206	0.15	1.05	6.92	-87.9	0.74
<b>MW-16</b>	4/29/2015	4.1	14.19	0.284	0.185	0.14	0.7	6.54	205.6	NA
	9/21/2015	6.05	20.45	0.339	0.22	0.16	0.24	6.84	93.7	NA
	12/8/2015	3.92	15.26	0.317	0.206	0.15	0.87	6.73	71.1	NA
	2/11/2016	3.8	11.5	0.345	0.224	0.17	0.37	6.47	95.6	1.64
	7/12/2016	5.35	22.12	0.336	0.219	0.16	1.25	6.77	-108	0.23



**Table 5. Groundwater Chemistry Parameters - Kris's Mini Mart**

Well ID	Date	DTW (Ft)	Temp (°C)	EC (mS/cm)	TDS	Salinity	DO (mg/L)	pH	ORP (mV)	Turbidity NTU
<b>MW-17</b>	4/29/2015	3.85	14.36	0.310	0.201	0.15	0.15	6.61	37.2	NA
	9/21/2015	5.79	19.9	0.357	0.232	0.17	0.52	6.61	-21.2	NA
	12/8/2015	3.56	14.4	0.335	0.217	0.16	1.11	6.64	-8.7	NA
	2/9/2016	3.56	11.91	0.252	0.229	0.17	0.24	6.52	-12.6	3.36
	7/13/2016	5.09	19.57	0.342	0.222	0.16	0.15	6.78	-52.5	2.87
<b>MW-18</b>	4/29/2015	3.87	13.33	0.246	0.16	0.12	0.24	6.71	97.8	NA
	9/21/2015	5.83	18.38	0.280	0.182	0.13	0.45	6.42	8.9	NA
	12/8/2015	3.65	14.67	0.325	0.211	0.16	0.2	6.79	221.8	NA
	2/9/2016	3.62	11.83	0.193	0.125	0.09	2.23	5.89	132.3	2.78
	7/13/2016	5.19	17.36	0.267	0.173	0.13	0.24	6.35	-43.8	10.8
<b>MW-19</b>	4/29/2015	3.99	13.75	0.256	0.167	0.12	0.13	6.72	49.1	NA
	9/21/2015	6.06	18.83	0.357	0.232	0.17	0.41	6.78	2	NA
	12/8/2015	3.93	14.48	0.353	0.23	0.17	0.19	6.79	155.6	NA
	2/9/2016	3.65	11.95	0.275	0.179	0.13	2.84	6.25	121.6	3.88
	7/12/2016	5.32	19.84	0.315	0.205	0.15	0.21	7.65	-69	NA
<b>MW-20</b>	4/29/2015	3.66	13.13	0.198	0.129	0.1	1.26	67.2	148.7	NA
	9/21/2015	5.78	18.68	0.245	0.16	0.12	0.42	6.59	87.3	NA
	12/9/2015	NA	13.34	0.220	0.143	0.1	0.88	6.8	74	NA
	2/10/2016	3.3	9.76	0.159	0.098	0.07	4	6.64	128.7	2.14
	7/12/2016	5.04	19.47	0.270	0.175	0.13	0.31	7.36	-43.1	1.94
<b>MW-21</b>	10/9/2015	6.2	19.42	0.224	0.146	0.11	0.26	6.83	135.1	NA
	12/8/2015	3.4	13.46	0.305	0.199	0.15	0.19	6.8	162.9	NA
	2/9/2016	3.58	13.19	0.333	0.216	0.16	0.19	6.57	16.9	2.97
	7/13/2016	4.98	18.28	0.305	0.198	0.15	0.17	6.3	-23.1	3.44
<b>MW-22</b>	10/9/2015	5.71	18.79	0.356	0.231	0.17	0.18	6.82	5.6	NA
	12/9/2015	4.14	14.96	0.266	0.173	0.13	0.21	6.84	157.7	NA
	2/10/2016	3.65	13.17	0.197	0.128	0.09	1.79	6.09	141.5	2.61
	7/13/2016	5.44	20.45	0.166	0.108	0.08	1	6.51	-114.7	0.38
<b>MW-23</b>	12/8/2015	3.95	13.4	0.304	0.198	0.15	0.34	6.8	145.1	NA
	2/10/2016	3.6	9.97	0.346	0.225	0.17	2.66	6.39	58.1	4.11
	7/12/2016	5.26	18.27	0.330	0.215	0.16	0.15	7.56	-46.3	1.92
<b>MW-24</b>	12/8/2015	3.6	13.11	0.288	0.187	0.14	0.69	6.8	201.3	NA
	2/10/2016	3.45	9.07	0.314	0.204	0.15	2.64	6.27	126.7	3.31
	7/12/2016	5.08	17.84	0.307	0.2	0.15	0.19	7.13	-15.6	3.61
<b>MW-25</b>	12/8/2015	3.66	14.59	0.321	0.208	0.15	0.2	6.79	187.3	NA
	2/9/2016	3.74	11.38	0.330	0.215	0.16	0.82	6.49	118.5	1.66
	7/12/2016	5.28	17.32	0.311	0.202	0.15	0.17	7.4	-53.7	3.34
<b>MW-26</b>	7/13/2016	4.96	18.63	0.302	0.196	0.14	0.21	6.45	-28.1	1.84
<b>MW-27</b>	7/12/2016	4.54	19.65	0.323	0.21	0.15	1.42	7	-116.7	35.1
<b>MW-28</b>	7/14/2016	5.35	20.09	0.207	0.135	0.1	2.33	7.06	-52.1	1.42
<b>MW-29</b>	7/12/2016	4.9	18.45	0.200	0.13	0.09	0.75	7.18	-37.6	3.14
<b>MW-30</b>	7/12/2016	4.97	16.65	0.244	0.155	0.12	0.96	7.18	-14.7	4.12

NA - indicates that the sample was Not Analyzed for the specified analyte

As of 4/29/15 wells MW-1 through MW-5 were removed from the site and replaced with wells MW-13 through MW-17

## **APPENDIX A**

Soil Borelogs

### Boring Log

Project: Kris' Mini Mart  
Client: Narian Naidu  
Boring Number: B-8  
Location: SE of UST pit  
Date Completed: 5/7/2013

Sheet: 1 of 1  
Drilled by: EDI - Tom Adams  
Logged by: Thom Davis  
First Encountered Water: 3 ft  
Total Depth: 14 feet bgs

Depth/Description	Blow Count*	PID (ppm)	Sheen	Sample
0.0 to 0.25 ft: Asphalt				
0.25 to 0.75 ft: Sandy gravel fill material, brown, loose, moist	Cleared to 5' bgs with hand auger for utilities before drilling	2.0	VSS	
0.75 to 5.0 ft: Medium sand with minor gravel, brown, loose, moist (wet below 3 feet)		0.0	NS	
5.0 to 6.5 ft: Medium to coarse sand, brown loose, wet (geotechnical sample)	12-12-19	12.7	NS	<b>5.5-6'</b>
7.5 to 9.0 ft: Medium sand, minor gravel brown, loose, wet	4-5-10	128 @ 8.5'	NS	<b>8.5'</b>
12.5 to 14.0 ft: No recovery - Heaving sands	10-24-40	No Recovery		

\* - A California Split-Spoon sampler was used to collect samples and record Blow Counts (unless otherwise noted)

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## Boring Log

Project: Kris' Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-9  
 Location: South center of UST pit  
 Date Completed: 5/7/2013

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4 ft  
 Total Depth: 14 feet bgs

Depth/Description	Blow Count*	PID (ppm)	Sheen	Sample
0.0 to 0.25 ft: Asphalt				
0.25 to 1.25 ft: Sandy gravel fill material, brown, loose, moist	Cleared to 5' bgs with hand auger for utilities before drilling	0.0	NS	
1.25 to 5.0 ft: Medium to coarse sand, minor gravel, brown, loose, moist (wet below 4.0 ft)		6.7	VSS	
5.0 to 6.5 ft: Medium sand, brown, loose, wet	6-12-14	821	MS	6.0'
7.5 to 9.0 ft: Medium sand, minor gravel, brown, loose, wet	9-14-24	860	SS	9.0'
12.5 to 14.0 ft: Medium sand, brown, loose, wet	14 and 50 for 6 in.	11.5	NS	14.0'

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### Boring Log

Project: Kris' Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-10  
 Location: East of canopy and dispensers  
 Date Completed: 5/8/2013

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 3.5 ft  
 Total Depth: 14 feet bgs

Depth/Description	Blow Count*	PID (ppm)	Sheen	Sample
0.0 to 0.25 ft: Asphalt				
0.25 to 1.25 ft: Sandy gravel fill material, brown, loose, moist	Cleared to 5' bgs with hand auger for utilities before drilling	0	NS	
1.25 to 5.0 ft: Medium sand, brown, loose, wet		16 @ 4.5 ft	NS	
5.0 to 6.5 ft: Medium sand, brown, loose, wet		9-10-16	411 @ 6.0 ft 4,800 @ 6.5 ft	HS
7.5 to 9.0 ft: Medium sand, brown, loose, wet (geotechnical sample)	9-14-17	1,356 @ 7.5 ft 56 @ 9.0 ft	VSS  VSS	8-8.5ft
12.5 to 14.0 ft: Medium sand, minor fine sand, brown, loose, wet (geotechnical sample)	14-26-21	446 @ 12.5 ft 65 @ 14.0 ft	NS  NS	14.0' 13-13.5ft
<i>Driller noted approximately 1.5 feet of heaving sands in boring before installing well.</i>				

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**Boring Log**

Project: Kris' Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-11  
 Location: East side; under canopy  
 Date Completed: 5/9/2013

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4.0 ft  
 Total Depth: 15 feet bgs

Depth/Description	Blow Count*	PID (ppm)	Sheen	Sample
0.0 to 0.67 ft: Concrete slab				
0.67 to 0.8 ft: Asphalt layer				
0.8 to 1.75 ft: Sandy gravel fill material, brown, loose, moist	Cleared to 5' bgs with hand auger for utilities before drilling	50 @ 1 ft	VSS	
		73 @ 1.3 ft	VSS	
1.75 to 2.75 ft: Sandy silt, dark, brown, firm, moist (organic layer)		9 @ 2 ft	VSS	
		2 @ 3.8 ft	VSS	
2.75 to 5.0 ft: Medium sand, brown, loose, moist (wet below 4 ft bgs)		300 @ 4.25 ft	SS	
		2,344 @ 5 ft	HS	
5.0 to 6.5 ft: Limited recovery. Medium sand, brown, loose, wet	5-6-9	2,705 @ 6.5 ft	HS	6.5'
10.0 to 11.5 ft: Limited recovery. Medium sand, brown, loose, wet	10-17-29	564 @ 10 ft	VSS	10'
15.0 to 16.5 ft: Medium sand, minor gravel, brown, loose, wet	9-15-17	2 @ 15 ft	NS	15'
<i>Regular split spoon sampler used to collect sample at this interval</i>				

\* - A California Split-Spoon sampler was used to collect samples and record Blow Counts (unless otherwise noted)

## Boring Log

Project: Kris' Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-12  
 Location: West side; under canopy  
 Date Completed: 5/9/2013

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4 ft  
 Total Depth: 15 feet bgs

Depth/Description	Blow Count*	PID (ppm)	Sheen	Sample
0.0 to 0.67 ft: Concrete slab	Cleared to 5' bgs with hand auger for utilities before drilling	1		
0.67 to 0.8 ft: Asphalt layer				
0.8 to 2.0 ft: Sandy gravel fill material, brown, loose, moist				
2.0 to 2.6 ft: Sandy silt, dark, brown, firm, moist (organic layer)				
2.6 to 5.0 ft: Medium sand, brown, loose, moist (wet below 4 feet bgs)	5-17-22	350 @ 4 ft	MS	
5.0 to 6.5 ft: Medium sand, brown, loose, wet		525 @ 5 ft		
		550 @ 6 ft		
		1,516 @ 6.5 ft	MS	6.5'
10.0 to 11.5 ft: Medium sand, brown, loose, wet	10-22-50 for 6"	250 @ 10 ft	SS	
		165 @ 10.25 ft		
		447 @ 11 ft		
15.0 to 16.5 ft: No recovery. <i>Regular split spoon sampler used to collect sample at this interval</i>	9-11-17	No Recovery		
<i>Driller noted approximately 2.0 feet of heaving sands in boring before installing well.</i>				

\* - A California Split-Spoon sampler was used to collect samples and record Blow Counts (unless otherwise noted)

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**Boring Log**

Project: Kris' Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-13  
 Location: South of store door, near MW-1  
 Date Completed: 5/7/2013

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4 ft  
 Total Depth: 14 feet bgs

Depth/Description	Blow Count*	PID (ppm)	Sheen	Sample
0.0 to 0.25 ft: Asphalt	Cleared to 5' bgs with hand auger for utilities before drilling	0.0	VSS	
0.25 to 1.25 ft: Sandy gravel fill material, brown, loose, moist				
1.25 to 5.0 ft: Medium sand, brown, loose, moist (wet below 4 feet)				
5.0 to 6.5 ft: Medium sand, brown, loose, wet (geotechnical sample)	9-12-17	80 @ 5 ft 147 @ 6.5 ft	SS MS	5.5-6' 6.5'
7.5 to 9.0 ft: Pounded rock. Limited recovery. Medium to coarse sand, brown, loose, wet	26-24-19	0.0	NS	
12.5 to 14.0 ft: Medium sand, brown, loose, wet <i>Regular split spoon sampler used to collect sample at this interval</i>	14 and 50 for 5"	0.0	NS	14'

\* - A California Split-Spoon sampler was used to collect samples and record Blow Counts (unless otherwise noted)

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### Boring Log

Project: Kris' Mini Mart  
Client: Narian Naidu  
Boring Number: B-14  
Location: South center of dispensers, near MW-2  
Date Completed: 5/7/2013

Sheet: 1 of 1  
Drilled by: EDI - Tom Adams  
Logged by: Thom Davis  
First Encountered Water: 5 ft  
Total Depth: 14 feet bgs

Depth/Description	Blow Count*	PID (ppm)	Sheen	Sample
0.0 to 0.25 ft: Asphalt				
0.25 to 1.25 ft: Sandy gravel fill material, brown, loose, moist	Cleared to 5' bgs with hand auger for utilities before drilling	92 @ 1 ft		
1.25 to 5.0 ft: Medium sand, brown, loose, moist		190 @ 2 ft	SS	2'
		2 @ 4 ft		
5.0 to 6.5 ft: Medium sand, brown, loose, wet	0-0-1	3.8 @ 6 ft	SS	6'
7.5 to 9.0 ft: Medium sand, brown, loose, wet	3-3-3	302	MS	9'
12.5 to 14.0 ft: Medium sand, brown, loose, wet	9-36-50 for 4"	5	VSS	

\* - A California Split-Spoon sampler was used to collect samples and record Blow Counts (unless otherwise noted)

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B15  
 Location: Northwest corner of property  
 Date Completed: 04/21/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
4" of Asphalt				
1.0 ft: Very gravelly sand with minor silt, dark brown to dark gray, loose, moist		1.4	SS	
2.0 ft: Medium sand, reddish brown, loose, moist		20.0	VSS	
3.0 ft: Medium sand, reddish brown, loose, moist		26.6	VSS	
4.0 ft: Medium sand, reddish brown, loose, moist to wet		50.0	SS	
5.0 to 6.5 ft: Medium sand, reddish brown, loose, wet	3-5-7*	5 ft: 165 6 ft: 20 6.5 ft: 2	SS VSS VSS	<b>5.0'</b>
7.5 to 8.5 ft: Medium sand, salt and pepper gray, loose, wet	5-10-12*	5.0	NS	
@ 8.5 ft: Medium sand, reddish brown, loose, wet				
8.5 to 9.0 ft: Medium sand, brown, loose, wet		1.0	NS	<b>9.0'</b>
<i>(Heaving sands, had to clear with water before hammering 12.5 to 14')</i>				
12.5 to 14.0 ft: Medium sand, salt and pepper gray, loose, wet	7-9-19**	0.0	NS	

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## Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-16  
 Location: Center of west edge of property  
 Date Completed: 04/21/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
4" of Asphalt				
1.0 ft: Gravelly sand, brown, loose, moist		2.3	SS	
2.0 ft: Medium sand with minor silt, dark brown, to dark reddish brown, loose, moist		0.0	SS	
3.0 ft: Fine to medium sand with minor silt, reddish brown, loose, moist		0.0	VSS	
4.0 ft: Medium sand, reddish brown, loose, moist to slightly wet		0.0	VSS	
5.0 to 6.5 ft: Medium sand, reddish brown, loose, wet	8-8-9*	0.0	NS	<b>6.5'</b>
7.5 to 9.0 ft: Medium sand, brown, loose, wet	6-10-12*	0.0	NS	<b>9.0'</b>
12.5 to 14.0 ft: Medium sand, salt and pepper gray, loose, wet	13-34-44**	1.0	NS	

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-17  
 Location: Southwest corner of property  
 Date Completed: 04/22/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
4" of Asphalt				
1.0 ft: Silty sandy gravel with small cobbles, dark brown to black, loose, moist		4.0	SS	
2.0 ft: Sand with gravel, dark brown to black, loose moist		160.0	SS	<b>2.0'</b>
3.0 ft: Sand with gravel, dark brown to black, loose moist		141.0	SS	
4.0 ft: Medium sand, reddish brown, loose, wet		95.0	MS	<b>4.0'</b>
5.0 to 5.5 ft: Silt, dark brown, firm, moist	7-4-4*	42.0	MS	
5.5 to 6.5 ft: Sand, brown, loose, wet <i>(Half recovery from 5.0 to 6.5 ft)</i>		25.0	MS	
7.5 to 9.0 ft: Medium sand, salt and pepper brown, loose, wet	7-12-17*	4.0	NS	<b>9.0'</b>
12.5 to 14.0 ft: Medium sand, salt and pepper gray, loose, wet	7-12-23**	0.0	NS	

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# Boring Log

Project: Kris's Mini Mart  
Client: Narian Naidu  
Boring Number: B-18  
Location: Offsite well to southwest  
Date Completed: 04/22/15

Sheet: 1 of 1  
Drilled by: EDI - Tom Adams  
Logged by: Thom Davis  
First Encountered Water: 4.5'  
Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
1.0 ft: Gravelly sand with minor silt, dark brown, loose, moist		0.0	VSS	
2.0 ft: Silty fine sand, reddish brown, loose, moist		0.0	NS	
3.0 to 4.0 ft: Medium sand with minor silt, reddish brown, loose, moist		0.0	NS	
5.0 to 5.5 ft: Silt, dark brown, firm, moist	5-12-14*	0.0	NS	5.5'
5.5 to 6.5 ft: Medium sand, olive brown, loose, wet		0.0	NS	
7.5 to 9.0 ft: Medium sand, salt and pepper gray, loose, wet	8-12-20*	7.5 ft: 0 8 ft: 2 9 ft: 0	NS NS NS	8.0'
12.5 to 14.0 ft: Medium sand, salt and pepper gray, loose, wet	12-19-22**	0.0	NS	14.0'

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## Boring Log

Project: Kris's Mini Mart

Client: Narian Naidu

Boring Number: B-19

Location: Offsite well to south at center

Date Completed: 04/22/15

Sheet: 1 of 1

Drilled by: EDI - Tom Adams

Logged by: Thom Davis

First Encountered Water: 4.5'

Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
1.0 ft: Gravelly sand with minor silt, dark brown, loose, moist		0.0	VSS	
2.0 ft: Silty sand, reddish brown, loose, moist		0.0	NS	
3.0 ft: Medium sand with minor silt, reddish brown, loose, moist		0.0	NS	
4.0 ft: Medium sand, salt and pepper brown, loose, loose, slightly wet		0.0	NS	
5.0 to 5.5 ft: Silt, dark brown, firm, moist to slightly wet	5-9-11*	0.0	VSS	
5.5 to 6.5 ft: Medium sand, salt and pepper gray, loose, wet		340.0	MS	6.5'
7.5 to 9.0 ft: Medium sand, salt and pepper gray, loose, wet	7-14-21*	Top: 15 Bottom: 3	VSS NS	9.0'
12.5 to 14.0 ft: Fine to medium sand, salt and pepper gray, loose, wet	9-11-19**	0.0	NS	14.0'

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-20  
 Location: Offsite well to southeast  
 Date Completed: 04/22/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 4.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
1.0 ft: Gravelly sand with minor silt, brown, loose moist		0.0	VSS	
2.0 ft: Medium sand with minor silt and gravel, reddish brown, loose, moist		0.0	NS	
3.0 ft: Medium sand, reddish brown, loose, moist		0.0	NS	
4.0 ft: Medium sand, salt and pepper brown, loose, slightly wet		0.0	NS	
5.0 to 6.5 ft: Medium sand, brown, loose, wet <i>(Rock in shoe, approximately 1/3 full)</i>	9-19-19*	0.0	NS	6.0'
7.5 to 9.0 ft: Medium sand, salt and pepper gray, loose, wet	9-15-21*	0.0	NS	9.0'
12.5 to 14.0 ft: Medium sand, salt and pepper gray, loose, wet	7-11-17**	0.0	NS	

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## Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-21  
 Location: In ROW at southern edge of property  
 Date Completed: 09/30/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 5.0'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
Gravel at surface.				
1.0 ft: Gravelly silty sand, brown, loose, moist.		0.3	SS	
2.0 ft: Fine sandy silt, dark brown, soft, moist.		0.1	SS	
3.0 ft: Medium sand, reddish brown, loose, moist.		0.5	VSS	
4.0 ft: Medium sand with silt, reddish brown, loose, moist.		0.3	VSS	
5.0 ft: Medium sand with minor gravel, reddish brown, loose, moist.		0.4		
5.0 to 6.5 ft: Silty medium sand, brown, loose, moist.	5-11-12	0.1	VSS	<b>6.5'</b>
7.5 to 9.0 ft: Medium sand with minor gravel, brown, loose, wet.	8-10-11	0.0	NS	<b>7.5'</b>
12.5 to 14.0 ft: Medium sand with minor gravel, brown, loose, wet.	8-18-20	0.0	NS	

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-22  
 Location: In front of store door  
 Date Completed: 09/30/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 5.0'-5.5'  
 Total Depth: 11.5'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
0.25 ft: Asphalt. Pit run to 1.0' bgs.				
1.0 ft: Silty medium sand with minor gravel, reddish brown, loose, dry to moist.		2.7	NS	
2.0 ft: Sandy silt, dark brown, soft, moist.		1.8	VSS	
3.0 ft: Fine to medium sand with silt, minor gravel, reddish brown, loose, dry to moist.		2.4	NS	
4.0 ft: Medium sand, brown, loose, moist to dry.		3.5	VSS	4.0'
5.0 to 5.5 ft: Silt with fine sand and organics, dark brown, soft, moist.	12-19-20	0.0	NS	
5.5 to 6.5 ft: Silty fine to medium sand, brown, loose, moist.		0.0	NS	
7.5 to 9.0 ft: Medium sand with silt, brown, loose, wet.	8-12-17	0.0	NS	9.0'
10.0 to 11.5 ft: Medium sand with silt, brown, loose, wet.	9-16-21	0.0	NS	

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-23  
 Location: East end of adj. property southern fenceline  
 Date Completed: 12/03/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 5.0'-6.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
1.0 ft: Gravelly fine sandy silt with minor organics, dark brown, loose, moist.		0.6	VSS	
2.0 ft: Silty gravelly sand, minor organics, dark brown, loose, moist.		1.0	VSS	
3.0 to 4.0 ft: Medium sand with minor gravel, brown to reddish brown, loose, moist.		3 ft: 0.6 4 ft: 1.1	VSS VSS	
5.0 to 6.5 ft: Medium sand with minor gravel, brown to reddish brown, loose, wet.	6-14-15*	2.3	VSS	5.5-6'
7.5 to 9.0 ft: Medium sand with minor gravel, brown to reddish brown, loose, wet.	7-17-21*	1.8	VSS	
12.5 to 14.0 ft: Medium sand with minor gravel, brown to reddish brown, loose, wet.	7-14-16**	2.1	VSS	13-14'

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: B-24  
 Location: Center of adj. property southern fenceline  
 Date Completed: 12/03/15

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Thom Davis  
 First Encountered Water: 5.0'-6.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
1.0 ft: Fine sandy silt with minor gravel, dark brown, loose, moist.		0.8	VSS	
2.0 ft: Silty fine to medium sand with minor gravel, loose, moist.		0.5	VSS	
3.0 ft: Medium sand with silt, brown to reddish brown, loose, moist.		1.2	VSS	
4.0 ft: Medium sand with silt, brown to reddish brown, loose, moist.		1.8	VSS	
5.0 to 6.5 ft: Medium sand with silt, minor gravel, brown, loose, wet.	3-12-16*	1.1	VSS	5.5-6'
7.5 to 9.0 ft: Medium sand with silt, minor gravel, brown, loose, wet.	14-27-45*	0.2	NS	
12.5 to 14.0ft: Medium sand with minor silt, salt and and pepper gray, loose, wet.	3-6-12**	1.2	NS	13-14'

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# Boring Log

Project: Kris's Mini Mart  
Client: Narian Naidu  
Boring Number: B-25  
Location: West end of adj. property southern fenceline  
Date Completed: 12/03/15

Sheet: 1 of 1  
Drilled by: EDI - Tom Adams  
Logged by: Thom Davis  
First Encountered Water: 5.0'-6.5'  
Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
1.0 ft: Fine sandy organic silt with gravel, dark brown, loose, moist.		0.8	VSS	
2.0 ft: Silty organic fine sand, dark brown, loose, moist.		1.7	VSS	
3.0 ft: Fine to medium sand with silt and minor gravel, brown to reddish brown, loose, moist to slightly wet.		1.2	VSS	
4.0 ft: Medium sand with silt, reddish brown, loose, moist to slightly wet.		1.6	VSS	
5.0 to 6.5 ft: Medium sand with silt, brown to reddish brown, loose, wet.	6-12-14*	2.1	VSS	<b>5.5-6'</b>
7.5 to 9.0 ft: Medium sand with minor silt and gravel, salt and pepper gray, loose, wet.	6-12-20*	0.2	VSS	
12.5 to 14.0 ft: Medium sand with minor silt and gravel, salt and pepper gray, loose, wet.	8-14-18**	1.2	VSS	<b>13-14'</b>

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: MW-26  
 Location: Southwest corner of property in ROW  
 Date Completed: 6/29/16

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Britta Nelson/Jake Reijm  
 First Encountered Water: 4.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
0.5 ft: Asphalt				
0.5 to 1.5 ft: Coarse sand with gravel, brown, loose, dry.		1.6	NS	
1.5 to 2.0 ft: Coarse sand with gravel, light brown, loose, dry		<1	NS	
2.0 to 2.5 ft: Subangular cobbles, 4"-6", with coarse sand, brown, loose, dry		<1	NS	
2.5 to 5.0 ft: Coarse sand with gravel, brownish gray, loose, moist, wet at 4.5'		<1	NS	
5.0 to 5.5 ft: Fine-medium sand with silt and gravel, dark brown, loose, wet, noticeable odor	1-1-1	27.7	SS	
5.5 to 6.0 ft: Fine-medium sand with silt and gravel, dark brown, loose, wet, noticeable odor		55.7	SS	
6.0 to 6.5 ft: Fine-medium sand with silt and gravel, dark brown, loose, wet, noticeable odor		333	MS	6-6.5'
7.5 to 8.0 ft: Medium-coarse sand with silt and gravel, gray, loose, wet	7-9-11	232.6	MS	
8.0 to 8.5 ft: Medium-coarse sand with silt and gravel, gray, loose, wet		16.5	SS	
8.5 to 9.0 ft: Medium-coarse sand with silt and gravel, gray, loose, wet		9.9	VSS	
12.5 to 14.0 ft: Silty sand with gravel, light greyish brown, loose, wet	9-50 for 5"	<1	VSS	13.5-14'

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## Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: MW-27  
 Location: Northwest corner of property in ROW  
 Date Completed: 6/29/16

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Britta Nelson/Jake Reijm  
 First Encountered Water: 5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
0.5 ft: Asphalt				
3.0 to 5.0 ft: Clean coarse sand with gravel, light gray, occasional cobbles between 2"-4", loose, dry		<1	NS	
5.0 to 6.5 ft: Coarse sand with gravel, brown, loose, wet	8-12-15	<1	VSS	6-6.5'
7.5 to 8.0 ft: Fine-medium silty sand with gravel, stiff, wet	8-12-15	<1	NS	
8.0 to 8.5 ft: Clean coarse sand with gravel, light gray, loose, wet		<1	NS	
8.5 to 9.0 ft: Silty fine sand with gravel, light brown, loose, wet		<1	NS	8.5-9'
12.5 to 14.0 ft: Coarse sand with gravel, gray, loose, wet	14-15 for 4"	<1	NS	

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## Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: MW-28  
 Location: East side of property  
 Date Completed: 6/29/16

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Britta Nelson/Jake Reijm  
 First Encountered Water: 7.5'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
0.5 ft: Asphalt				
0.5 to 5.0 ft: Clean coarse sand with occasional gravel, light gray, loose, dry		<1	NS	
5.0 to 6.5 ft: Clean coarse sand with occasional gravel, light gray, loose, moist	9-14-14	<1	NS	<b>6-6.5'</b>
7.5 to 8.0 ft: Silty fine sand, with oxidized nodes, dark brown, firm, wet	9-14-17	<1	NS	
8.0 to 9.0 ft: Clean coarse sand with occasional gravel, light gray, loose, wet		<1	NS	
12.5 to 14.0 ft: Coarse sand with trace gravel, salt-and-pepper gray, loose, wet	14-50 for 4"	<1	VSS	<b>13-13.5'</b>

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# Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: MW-29  
 Location: Southeast corner of adj. property  
 Date Completed: 6/30/16

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Britta Nelson  
 First Encountered Water: 6'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
0.25 ft: Asphalt				
0.25 to 5.0 ft: Fine-medium silty sand with gravel, loose, dry.		<1	NS	
5.0 to 6.5 ft: Coarse sand with trace silt and gravel, gray, loose, wet.	9-12-16	<1	NS	<b>6-6.5'</b>
7.5 to 8.0 ft: Fine-medium silty sand with trace clay and gravel, dark brown, firm, wet.	9-11-14	<1	NS	
8.0 to 8.5 ft: Medium-coarse sand with silt and gravel loose, wet.		<1	NS	
8.5 to 9.0 ft: Medium-coarse sand with silt and gravel loose, wet.		<1	VSS	
12.5 to 13.0 ft: Fine-medium sand with silt and occasional subangular gravel, light gray, loose, wet.	14-39-41	<1	NS	
13.0 to 13.5 ft: Fine-medium sand with silt and occasional subangular gravel, light gray, loose, wet.	14-39-41	<1	VSS	
13.5 to 14.0 ft: Fine-medium sand with silt and occasional subangular gravel, light gray, loose, wet.	14-39-41	<1	NS	<b>13.5-14'</b>

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## Boring Log

Project: Kris's Mini Mart  
 Client: Narian Naidu  
 Boring Number: MW-30  
 Location: Southeast corner of adj. property  
 Date Completed: 6/30/16

Sheet: 1 of 1  
 Drilled by: EDI - Tom Adams  
 Logged by: Britta Nelson  
 First Encountered Water: 8'  
 Total Depth: 14'

Depth/Description	Blow Count	PID (ppm)	Sheen	Sample
0.5 ft: Concrete				
0.5 to 3.5 ft: Silty medium sand with gravel, light brown, loose, dry		<1	NS	
3.5 to 5.0 ft: Fine-medium sand with gravel, gray, loose, dry.		<1	NS	
5.0 to 6.5 ft: Coarse sand with gravel, gray, loose, moist, poor recovery	8-12-14	<1	VSS	
7.5 to 8.0 ft: Silty fine-medium sand with trace clay and gravel, brown, firm, dry	8-12-17	<1	NS	
8.5 to 9.0 ft: Clean coarse sand with gravel, gray loose, wet		<1	NS	8.5-9'
12.5 to 14.0 ft: Clean coarse sand with gravel, gray loose, wet	12-19-27	<1	NS	13.5-14'

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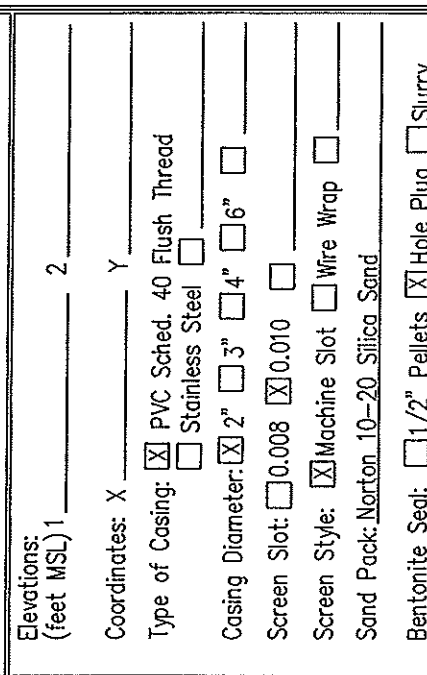
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## **APPENDIX B**

### Well Construction Diagrams

Sym	Loc	Depth (feet)	Depth (ft)	Samp	Loc	Depth (ft)	Depth (ft)	Method
								METHOD
								SS=Split Spoon C=Cuttings

**Geologic Description**



**Air Sparge Well  
Piezometer**

Date	D-T-W	MSL	Date	Field pH	Field EC

Comments: No sheen in cuttings

**Design Specifications**

Elevations: (feet MSL) 1 \_\_\_\_\_ 2 \_\_\_\_\_

Coordinates: X \_\_\_\_\_ Y \_\_\_\_\_

Type of Casing:  PVC Sched. 40 Flush Thread  
 Stainless Steel

Casing Diameter:  2"  3"  4"  6"

Screen Slot:  0.008  0.010

Screen Style:  Machine Slot  Wire Wrap

Sand Pack: Norton 10-20 Silica Sand

Bentonite Seal:  1/2" Pellets  Hole Plug  Slurry  
 1/4" Pellets

Grout Type: 3/8 Baroid Weight: \_\_\_\_\_

Bore Hole Diameter: 11"

Drill Rig:  Hollow Stem  Rotary

Drilled By: Holocene Drilling- Matt Graham

Logged By: Harold Cashman

Completion Date: 5/29/03

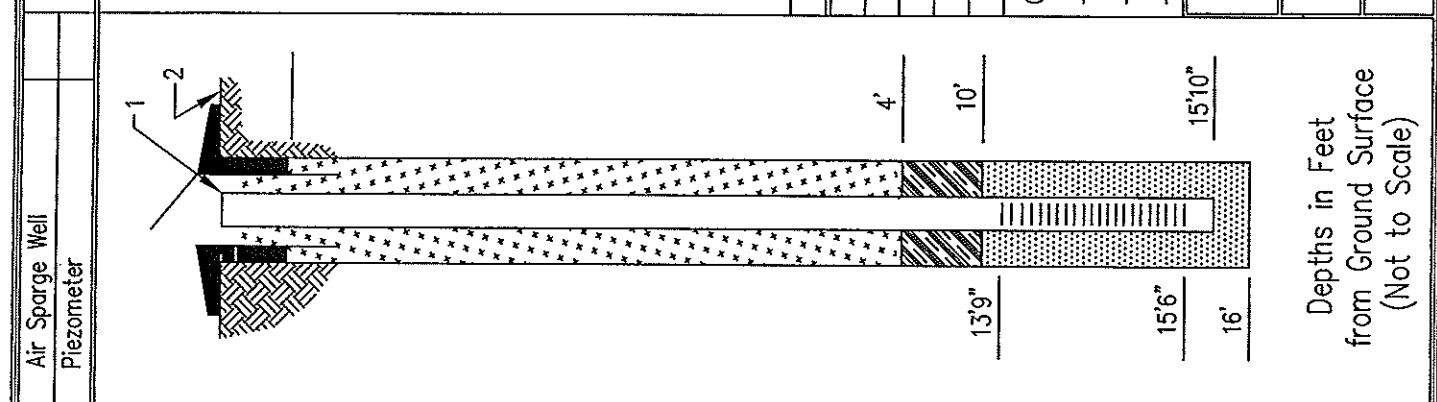
**Whatcom Environmental Services**

Project: Sievers  
 Location: 6000 Portal Way

Depths in Feet  
 from Ground Surface  
 (Not to Scale)

**AS-1**

Sym	Samp Loc	P/D (ppm)	Depth (feet)	Geologic Description			METHOD		
				SS=Split Spoon	C=Cuttings				



## Design Specifications

Elevations: (feet MSL) 1 \_\_\_\_\_ 2 \_\_\_\_\_

Coordinates: X \_\_\_\_\_ Y \_\_\_\_\_

Type of Casing:  PVC Sched. 40 Flush Thread  
 Stainless Steel

Casing Diameter:  2"  3"  4"  6"

Screen Slot:  0.008  0.010

Screen Style:  Machine Slot  Wire Wrap

Sand Pack: Norton 10--20 Silica Sand

Bentonite Seal:  1/2" Pellets  Hole Plug  Slurry  
 1/4" Pellets

Grout Type: 3/8 Baroid Weight: \_\_\_\_\_

Bore Hole Diameter: 11"

Drill Rig:  Hollow Stem  Rotary

Drilled By: Holocene Drilling-- Matt Graham

Logged By: Harold Cashman

Completion Date: 5/29/03

Date	D-T-W	MSL	Date	Field pH	Field EC

Comments: Slight sheen in cuttings

---

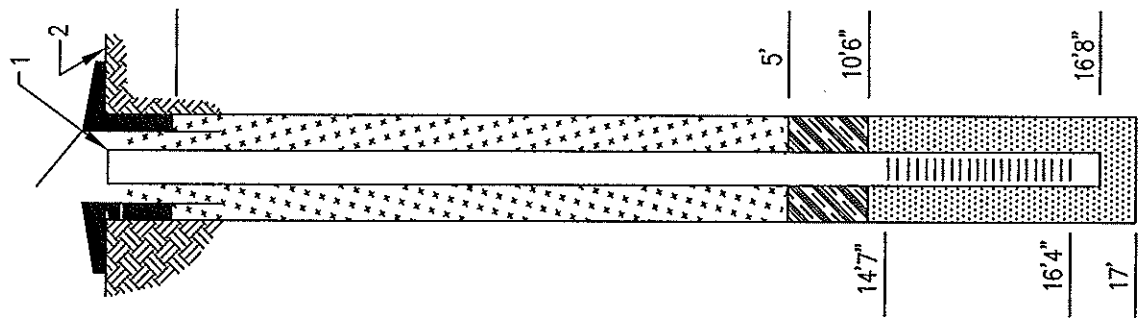
### Whatcom Environmental Services

AS-2

---

Project: Sievers  
Location: 6000 Portal Way

Depth (feet)	Geologic Description	Samp Loc	PHD (ppm)	Method
17				SS=Split Spoon C=Cuttings
16'4"				
14'7"				
10'6"				
5'				



Depths in Feet  
from Ground Surface  
(Not to Scale)

## Design Specifications

Elevations: (feet MSL) 1 \_\_\_\_\_ 2 \_\_\_\_\_

Coordinates: X \_\_\_\_\_ Y \_\_\_\_\_

Type of Casing:  PVC Sched. 40 Flush Thread  
 Stainless Steel

Casing Diameter:  2"  3"  4"  6"

Screen Slot:  0.008  0.010  \_\_\_\_\_

Screen Style:  Machine Slot  Wire Wrap  \_\_\_\_\_

Sand Pack: Norton 10-20 Silica Sand

Bentonite Seal:  1/2" Pellets  Hole Plug  Slurry  
 1/4" Pellets  \_\_\_\_\_

Grout Type: 3/8 Baroid Weight: \_\_\_\_\_

Bore Hole Diameter: 11"

Drill Rig:  Hollow Stem  Rotary  \_\_\_\_\_

Drilled By: Holocene Drilling- Matt Graham

Logged By: Harold Cashman

Completion Date: 5/29/03

Date	D-T-W	MSL	Date	Field pH	Field EC

Comments: Heavy sheen in cuttings

**Whatcom Environmental Services**

AS-3

Project: Sievers  
Location: 6000 Portal Way

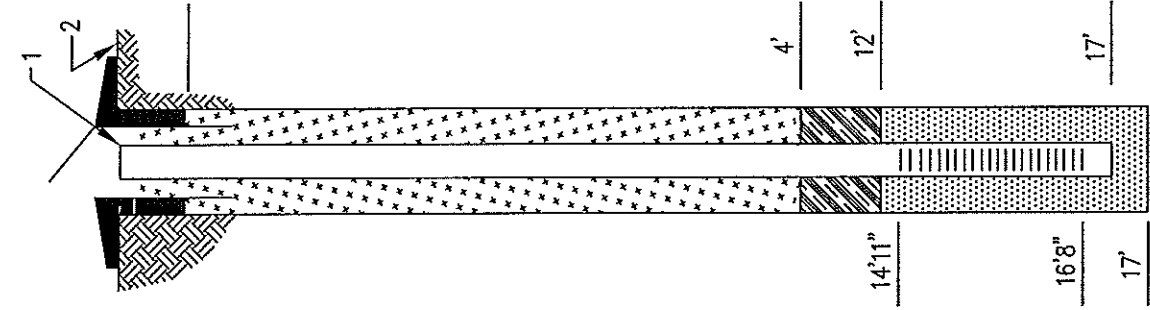
Sym	Samp	Loc	PID	(ppm)	Depth	(feet)	Geologic Description			Air Sparge Well Piezometer																														
										Depths in Feet from Ground Surface (Not to Scale)																														
					METHOD	SS=Split Spoon	C=Cuttings	Design Specifications																																
					Elevations: (feet MSL) 1 _____ 2 _____ Coordinates: X _____ Y _____ Type of Casing: <input checked="" type="checkbox"/> PVC Sched. 40 Flush Thread <input type="checkbox"/> Stainless Steel Casing Diameter: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> 6" Screen Slot: <input type="checkbox"/> 0.008 <input checked="" type="checkbox"/> 0.010 Screen Style: <input checked="" type="checkbox"/> Machine Slot <input type="checkbox"/> Wire Wrap Sand Pack: <u>Norton 10-20 Silica Sand</u> Bentonite Seal: <input type="checkbox"/> 1/2" Pellets <input checked="" type="checkbox"/> Hole Plug <input type="checkbox"/> Slurry <input type="checkbox"/> 1/4" Pellets Grout Type: <u>3/8 Baroid</u> Weight: _____ Bore Hole Diameter: <u>11"</u> Drill Rig: <input checked="" type="checkbox"/> Hollow Stem <input type="checkbox"/> Rotary Drilled By: <u>Holocene Drilling- Matt Graham</u> Logged By: <u>Harold Cashman</u> Completion Date: <u>5/29/03</u>			<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Date</th> <th>D-T-W</th> <th>MSL</th> <th>Date</th> <th>Field pH</th> <th>Field EC</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> Comments: <u>Heavy sheen in cuttings</u>			Date	D-T-W	MSL	Date	Field pH	Field EC																								
Date	D-T-W	MSL	Date	Field pH	Field EC																																			
					<b>Whatcom Environmental Services</b>			<u>AS-4</u>																																
					Project: <u>Sievers</u> Location: <u>6000 Portal Way</u>																																			

Geologic Description

Air Sparge Well  
Piezometer

Design Specifications

Sym  
Samp Loc  
PID (ppm)  
Depth (feet)



Elevations: (feet MSL) 1 \_\_\_\_\_ 2 \_\_\_\_\_

Coordinates: X \_\_\_\_\_ Y \_\_\_\_\_

Type of Casing:  PVC Sched. 40 Flush Thread  
 Stainless Steel

Casing Diameter:  2"  3"  4"  6"

Screen Slot:  0.008  0.010

Screen Style:  Machine Slot  Wire Wrap

Sand Pack: Norton 10-20 Silica Sand

Bentonite Seal:  1/2" Pellets  Hole Plug  Slurry  
 1/4" Pellets

Grout Type: 3/8 Baroid Weight: \_\_\_\_\_

Bore Hole Diameter: 11"

Drill Rig:  Hollow Stem  Rotary

Drilled By: Holocene Drilling—Matt Graham

Logged By: Harold Cashman

Completion Date: 5/29/03

Date	D-T-W	MSL	Date	Field pH	Field EC

Comments: Heavy sheen in cuttings

**Whatcom Environmental Services**

AS-5

Project: Sievers  
Location: 6000 Portal Way

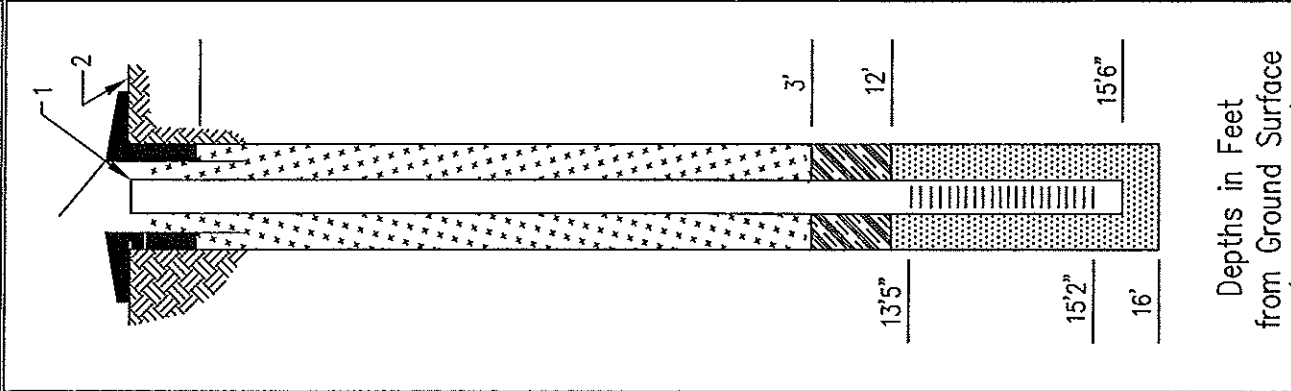
METHOD: \_\_\_\_\_ SS=Split Spoon C=Cuttings

Sym  
Samp  
Loc  
PID  
(ppm)  
Depth  
(Feet)

Geologic Description

Air Sparge Well  
Piezometer

Design Specifications



Depths in Feet  
from Ground Surface  
(Not to Scale)

Elevations:  
(feet MSL) 1 \_\_\_\_\_ 2 \_\_\_\_\_

Coordinates: X \_\_\_\_\_ Y \_\_\_\_\_

Type of Casing:  PVC Sched. 40 Flush Thread  
 Stainless Steel

Casing Diameter:  2"  3"  4"  6"

Screen Slot:  0.008  0.010

Screen Style:  Machine Slot  Wire Wrap

Sand Pack: Norton 10-20 Silica Sand

Bentonite Seal:  1/2" Pellets  Hole Plug  Slurry  
 1/4" Pellets

Grout Type: 3/8 Baroid Weight: \_\_\_\_\_  
Bore Hole Diameter: 11"

Drill Rig:  Hollow Stem  Rotary

Drilled By: Holocene Drilling - Matt Graham  
Logged By: Harold Cashman  
Completion Date: 5/30/03

Date	D-T-W	MSL	Date	Field pH	Field EC

Comments: Moderate sheen in cuttings

**Whatcom Environmental  
Services**

AS-6

Project: Sievers  
Location: 6000 Portal Way

METHOD

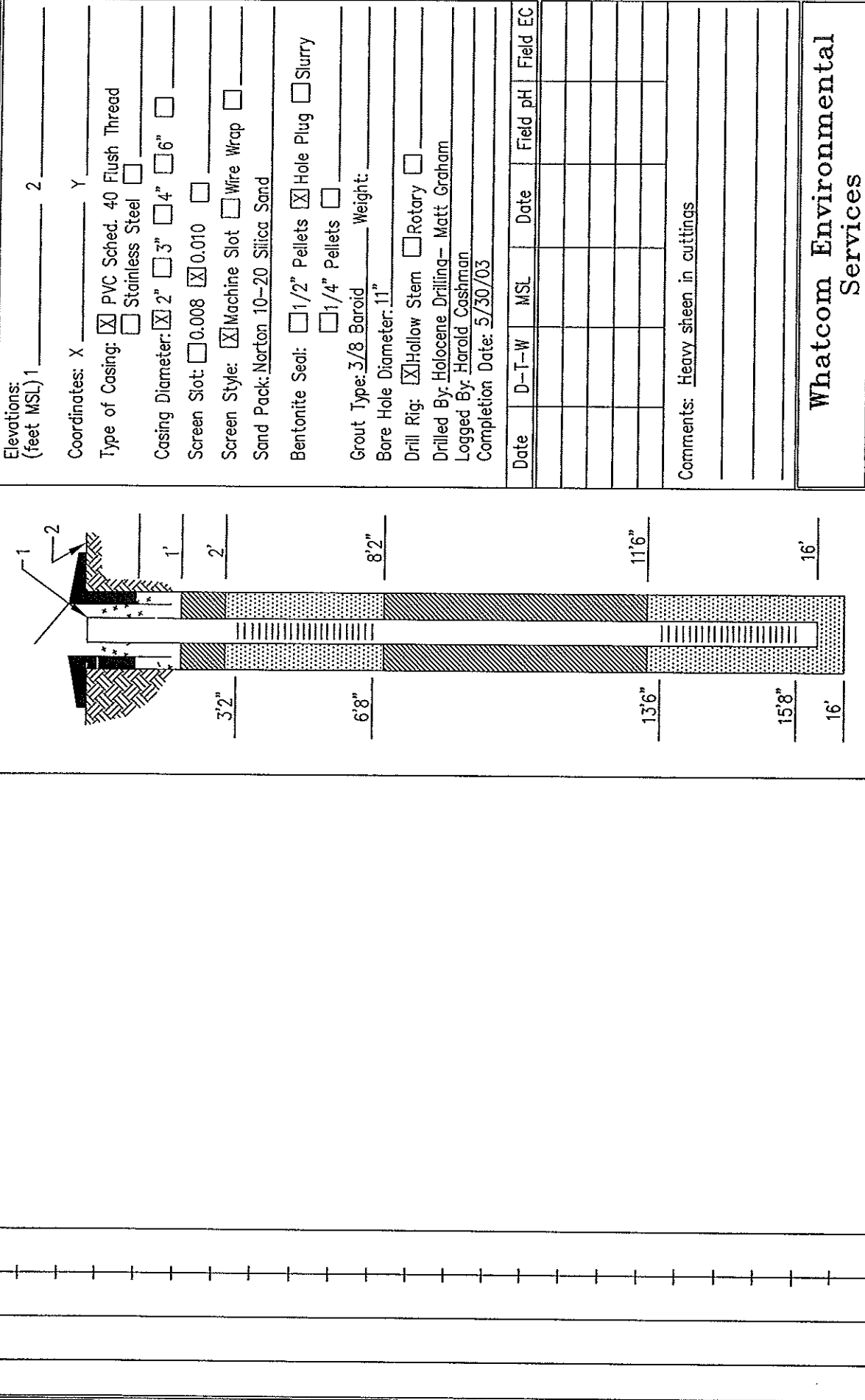
SS=Split Spoon

C=Cuttings



# Geologic Description

Sym	Samp Loc	Depth (ft)



Design Specifications

Elevations: (feet MSL) 1 \_\_\_\_\_ 2 \_\_\_\_\_

Coordinates: X \_\_\_\_\_ Y \_\_\_\_\_

Type of Casing:  PVC Sched. 40 Flush Thread  
 Stainless Steel

Casing Diameter:  2"  3"  4"  6"

Screen Slot:  0.008  0.010

Screen Style:  Machine Slot  Wire Wrap

Sand Pack: Norton 10-20 Silica Sand

Bentonite Seal:  1/2" Pellets  Hole Plug  Slurry  
 1/4" Pellets

Grout Type: 3/8 Baroid \_\_\_\_\_ Weight: \_\_\_\_\_

Bore Hole Diameter: 1 1/2"

Drill Rig:  Hollow Stem  Rotary

Drilled By: Holocene Drilling- Matt Graham  
 Logged By: Harold Cashman  
 Completion Date: 5/30/03

Date	D-T-W	MSL	Date	Field pH	Field EC

Comments: Heavy sheen in cuttings

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Whatcom Environmental Services

## MW-6

Project: Sievers  
 Location: 6000 Portal Way

Depths in Feet  
from Ground Surface  
(Not to Scale)

METHOD	SS=Split Spoon	C	C=Cuttings

# Design Specifications

Elevations: (feet MSL) 1 \_\_\_\_\_ 2 \_\_\_\_\_

Coordinates: X \_\_\_\_\_ Y \_\_\_\_\_

Type of Casing:  PVC Sched. 40 Flush Thread  
 Stainless Steel

Casing Diameter:  2"  3"  4"  6"

Screen Slot:  0.008  0.010  \_\_\_\_\_

Screen Style:  Machine Slot  Wire Wrap  \_\_\_\_\_

Sand Pack: Norton 10-20 Silica Sand

Bentonite Seal:  1/2" Pellets  Hole Plug  Slurry  
 1/4" Pellets

Grout Type: 3/8 Baroid \_\_\_\_\_ Weight: \_\_\_\_\_

Bore Hole Diameter: 11"

Drill Rig:  Hollow Stem  Rotary

Drilled By: Holocene Drilling - Matt Graham

Logged By: Harold Cashman

Completion Date: 5/30/03

Date	D-T-W	MSL	Date	Field pH	Field EC

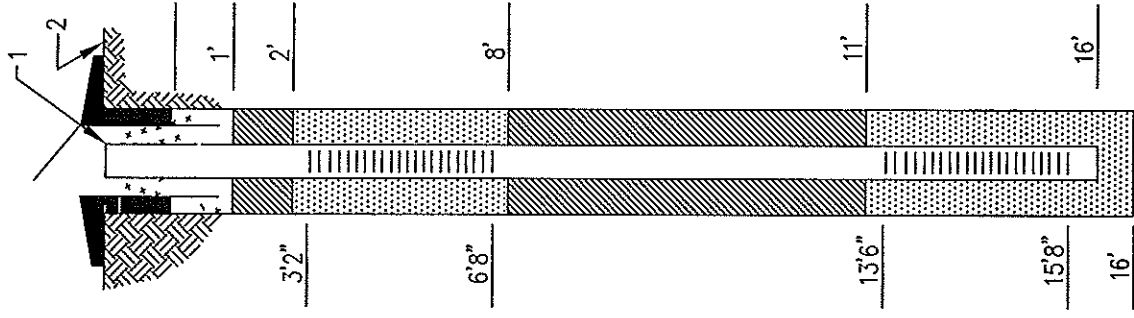
Comments: Heavy sheen in cuttings

Whatcom Environmental Services

MW-7

Project: Sievers  
 Location: 6000 Portal Way

DDC Well  
 Piezometer



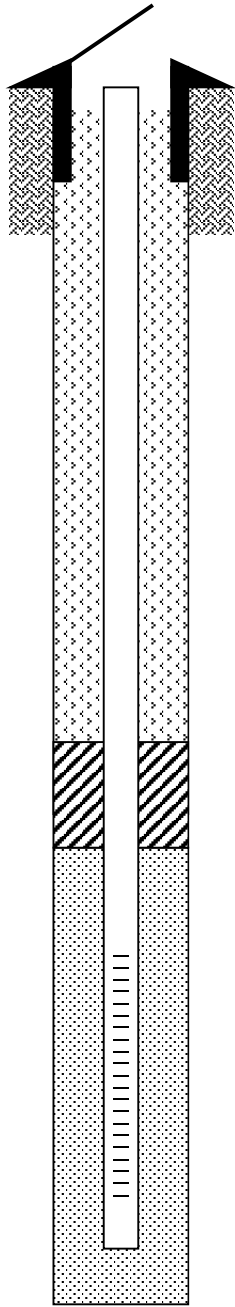
Depths in Feet  
 from Ground Surface  
 (Not to Scale)

# Geologic Description

Sym  
 Samp Loc  
 PID (ppm)  
 Depth (feet)

METHOD SS=Split Spoon C C=Cuttings

# Well Design Specifications



Depths in Feet Below Ground Surface

- 0.5
- 2
- 3.5
- 13.5
- 14
- 14

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.73  
**Mean Sea Level (MSL)** Ground Elevation: 41.42

**Coordinates:** 11218924.4690E 682966.2994N

**Coordinate System:** Nad 83 2011

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.010

**Screen Style:** Cut Slot

**Sand Pack:** Colorado 10/20

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 5/7/2013

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
5/23/2013	4.05	36.68	6.44	0.221
8/12/2013	5.45	35.28	6.50	0.288
11/14/2013	4.44	36.29	6.90	0.231
2/6/2014	3.9	36.83	6.59	0.282

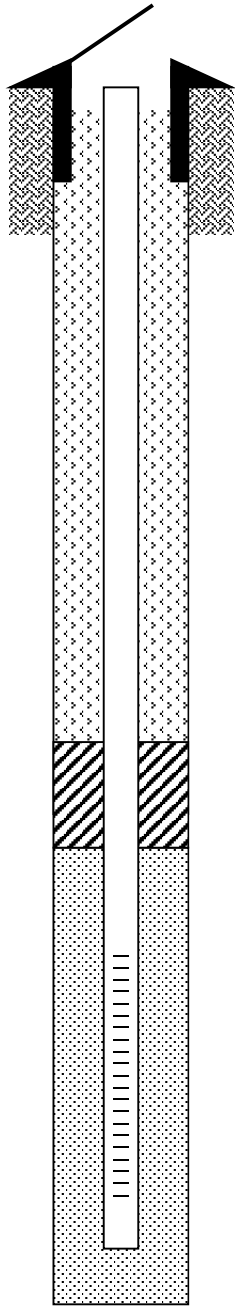
**Comments:** Heaving sands at 12 feet

**Project:** Kris' Mini Mart

**Location:** Southeast of T.P.

<b>Whatcom Environmental Services</b> 228 East Champion Street #101 Bellingham, WA 98225 (360) 752-9571	<b>MW-8</b>
	Ecology Well ID: <b>BHE-487</b>

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

- 1

---

- 2

---

- 3.8

---

- 13.8

---

- 14

---

- 14

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.81  
**Mean Sea Level (MSL)** Ground Elevation: 41.01

**Coordinates:** 121.8898.6350E 682966.6488N

**Coordinate System:** Nad 83 2011

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.010

**Screen Style:** Machine Slot

**Sand Pack:** Colorado 10/20

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 5/7/2013

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
5/23/2013	4.09	36.72	6.41	0.207
8/12/2013	5.48	35.33	6.49	0.262
11/14/2013	4.47	36.34	6.67	0.258
2/6/2014	3.95	36.86	6.61	0.208

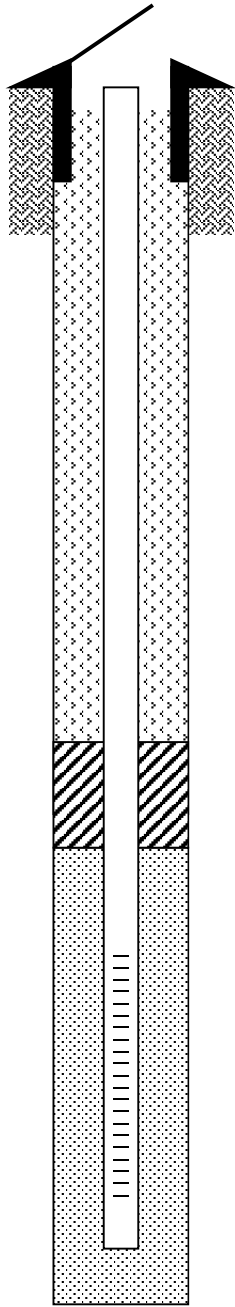
**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris' Mini Mart

**Location:** South of T.P.

<p><b>Whatcom Environmental Services</b>                  228 East Champion Street #101                  Bellingham, WA 98225                  (360) 752-9571</p>	<p><b>MW-9</b></p> <hr/> <p>Ecology Well ID: <b>BHE-488</b></p>
---	---

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

- 1
- 2.5
- 4.5
- 14.5
- 15
- 15

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.80  
**Mean Sea Level (MSL)** Ground Elevation: 41.16

**Coordinates:** 1218939.1410E 682931.6129N

**Coordinate System:** Nad 83 2011

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.010

**Screen Style:** Machine Slot

**Sand Pack:** Colorado 10/20

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 5/8/2013

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
5/23/2013	4.22	36.58	6.60	0.309
8/12/2013	5.63	35.17	6.67	0.283
11/14/2013	4.66	36.14	6.77	0.273
2/6/2014	4.06	36.74	6.73	0.274

**Comments:** 1.5' heave sands

While flushing heave sands well dipped to 15' bgs

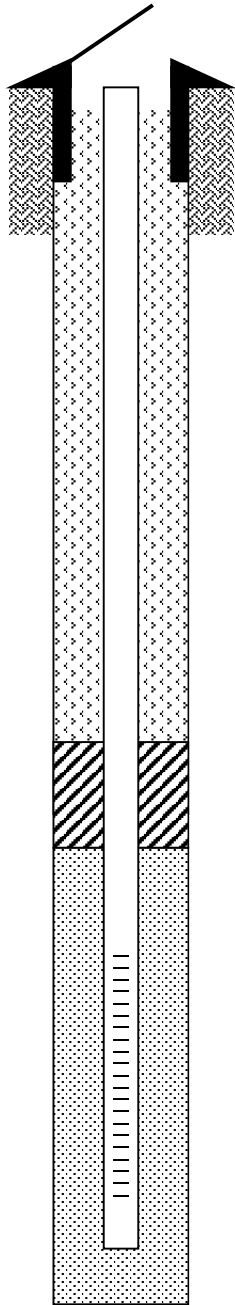
Added 9" extension attached with slip joint - non glue

**Project:** Kris' Mini Mart

**Location:** East of dispenser slab

<p><b>Whatcom Environmental Services</b>                  228 East Champion Street #101                  Bellingham, WA 98225                  (360) 752-9571</p>	<p style="text-align: center; font-weight: bold; font-size: 1.2em;">MW-10</p> <p>Ecology Well ID: <span style="font-weight: bold; font-size: 1.2em;">BHE-491</span></p>
---	---

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

- 1
- 2
- 3.5
- 13.5
- 14
- 14

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.94  
**Mean Sea Level (MSL)** Ground Elevation: 41.29

**Coordinates:** 1218914.4310E 682933.4834N

**Coordinate System:** Nad 83 2011

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.010

**Screen Style:** Machine Slot

**Sand Pack:** Colorado 10/20

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** Sim Co - Track Rig

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 5/9/2013

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
5/23/2013	4.32	36.62	6.50	0.525
8/12/2013	5.71	35.23	6.50	0.240
11/14/2013	4.71	36.23	7.08	0.236
2/6/2014	4.16	36.78	6.67	0.264

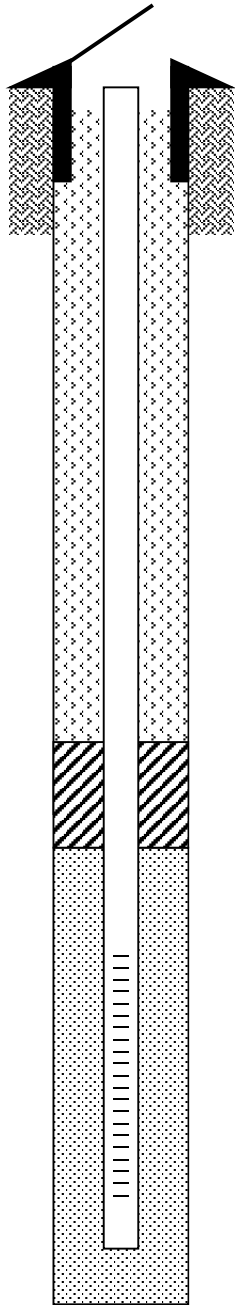
**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris' Mini Mart

**Location:** East side slab under canopy

<p><b>Whatcom Environmental Services</b>                  228 East Champion Street #101                  Bellingham, WA 98225                  (360) 752-9571</p>	<p style="text-align: center; font-weight: bold; font-size: 1.2em;">MW-11</p> <p>Ecology Well ID: <b style="font-size: 1.2em;">BHE-493</b></p>
---	--

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

- 1

---

- 2

---

- 3.8

---

- 13.8

---

- 14

---

- 14

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.84  
**Mean Sea Level (MSL)** Ground Elevation: 41.18

**Coordinates:** 1218896.0810E 682934.3747N

**Coordinate System:** Nad 83 2011

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.010

**Screen Style:** Machine Slot

**Sand Pack:** Colorado 10/20

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** Sim Co - Track Rig

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 5/9/2013

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
5/23/2013	4.19	36.65	6.63	0.287
8/12/2013	5.55	35.29	6.58	0.250
11/14/2013	4.58	36.26	6.89	0.259
2/6/2014	4.02	36.82	6.81	0.289

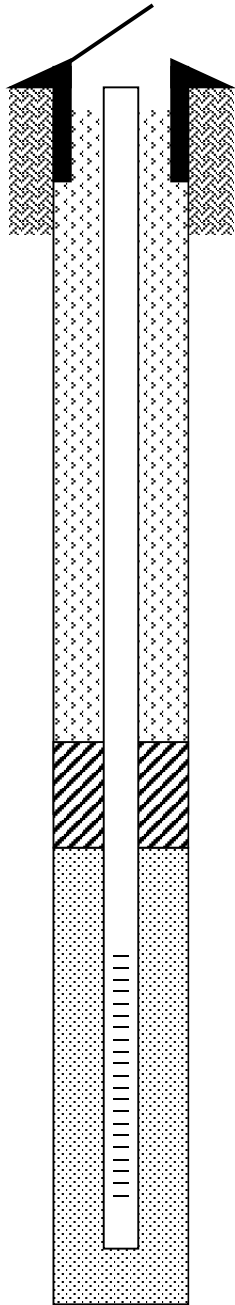
**Comments:** 2' Heavy Sand at 14' bgs

**Project:** Kris' Mini Mart

**Location:** West side under canopy

<p><b>Whatcom Environmental Services</b>                  228 East Champion Street #101                  Bellingham, WA 98225                  (360) 752-9571</p>	<p><b>MW-12</b></p> <hr/> <p>Ecology Well ID: <b>BHE-492</b></p>
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# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

- 1

---

- 2

---

- 3.5

---

- 13.5

---

- 14

---

- 14

---

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.39  
**Mean Sea Level (MSL)** Ground Elevation: 40.83

**Coordinates:** 1218965.5130E 682914.3803N

**Coordinate System:** Nad 83 2011

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.010

**Screen Style:** Machine Slot

**Sand Pack:** Colorado 10/20

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 5/7/2013

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
5/23/2013	3.87	36.52	6.58	0.240
8/12/2013	5.29	35.10	6.66	0.283
11/14/2013	4.32	36.07	6.74	0.287
2/7/2014	3.69	36.70	6.66	0.286

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

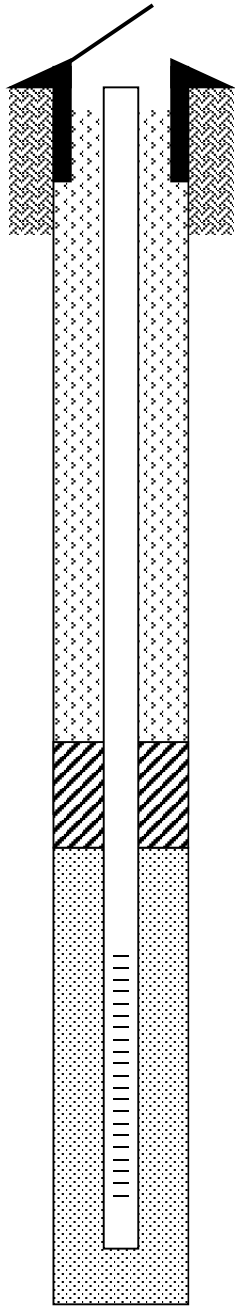
**Project:** Kris' Mini Mart

**Location:** In front of store

<p><b>Whatcom Environmental Services</b>          228 East Champion Street #101          Bellingham, WA 98225          (360) 752-9571</p>	<p><b>MW-13</b></p> <hr/> <p>Ecology Well ID: <b>BHE-490</b></p>
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# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

- 1
- 2
- 3.5
- 13.5
- 14
- 14

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.56  
**Mean Sea Level (MSL)** Ground Elevation: 41.05

**Coordinates:** 1218907.3890E 682903.2713N

**Coordinate System:** Nad 83 2011

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.010

**Screen Style:** Machine Slot

**Sand Pack:** Colorado 10/20

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 5/7/2013

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
5/23/2013	3.99	36.57	6.76	0.274
8/12/2013	5.36	35.20	6.86	0.246
11/14/2013	4.25	36.31	6.97	0.276
2/7/2014	3.82	36.74	7.01	0.28

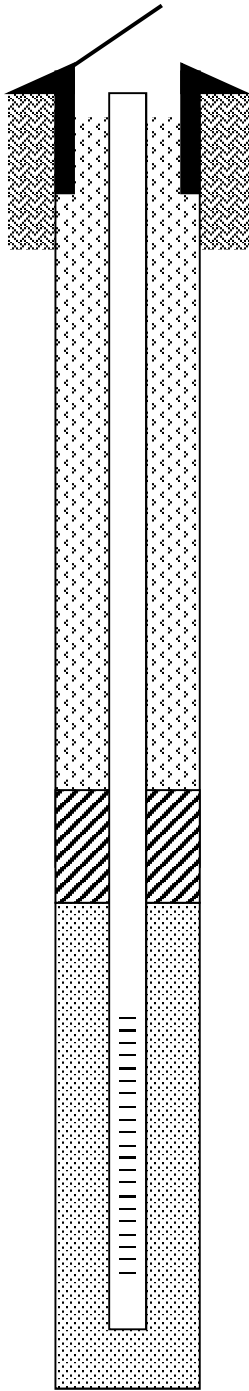
**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris' Mini Mart

**Location:** South center dispensers

<p><b>Whatcom Environmental Services</b>                  228 East Champion Street #101                  Bellingham, WA 98225                  (360) 752-9571</p>	<p><b>MW-14</b></p>
	<p>Ecology Well ID: <b>BHE-489</b></p>

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
2'9"  
12'9"  
13'  
14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.4164 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.6320 ft

**Coordinates:** 682998.8806 E 1218864.3408 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 4/21/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
4/29/2015	3.46	36.96	6.54	0.291
9/22/2015	5.34	35.08	6.82	0.388
12/8/2015	3.29	37.13	6.79	0.362
2/9/2016	3.15	37.27	6.47	0.317

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Northwest corner of property

**Whatcom Environmental Services**

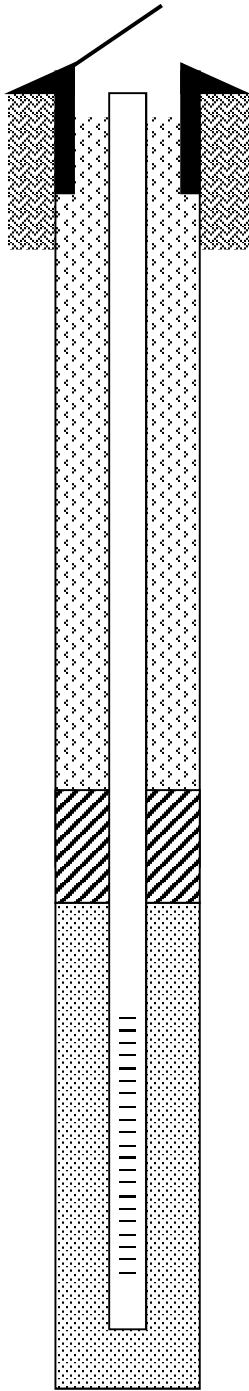
228 East Champion Street #101  
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**MW-15**

Ecology Well ID:

**BHZ-492**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

2'10"

12'10"

13'

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.9120 ft  
**Mean Sea Level (MSL)** Ground Elevation: 41.1096 ft

**Coordinates:** 682994.1994 E 1218863.7003 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 4/21/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
4/29/2015	4.10	36.81	6.54	0.284
9/21/2015	6.05	34.86	6.84	0.339
12/8/2015	3.92	36.99	6.73	0.317
2/11/2016	3.8	37.27	6.47	0.345

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Center of west edge of property

**Whatcom Environmental Services**

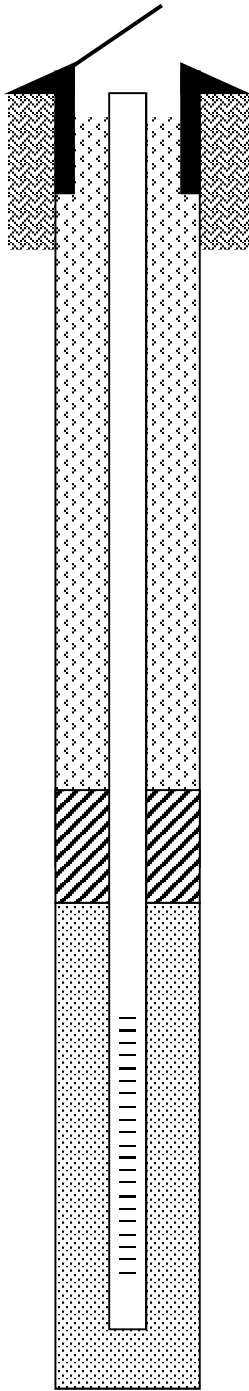
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**MW-16**

Ecology Well ID:

**BHZ-493**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
2'8"  
12'8"  
13'  
14"

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.6040 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.7936 ft

**Coordinates:** 682903.0703 E 1218854.8897 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 4/22/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
4/29/2015	3.85	36.75	6.61	0.310
9/21/2015	5.79	34.81	6.61	0.357
12/8/2015	3.56	37.04	6.64	0.335
2/9/2016	3.56	37.04	6.52	0.252

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Southwest corner of property

**Whatcom Environmental Services**

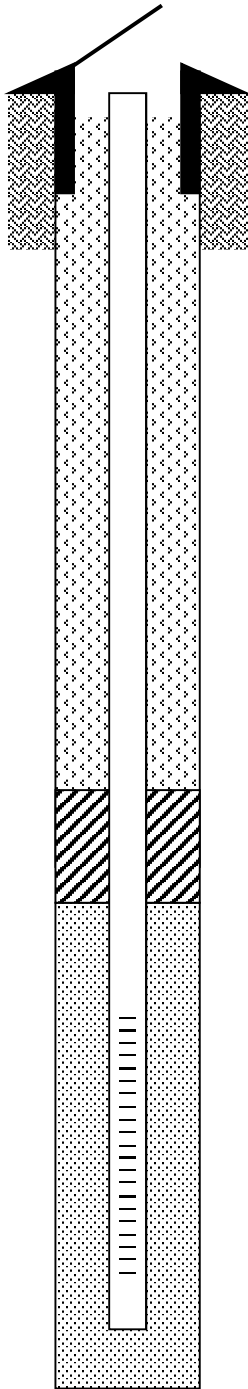
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**MW-17**

Ecology Well ID:

**BHZ-497**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
2'10"  
12'10"  
13'  
14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.5547 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.8036 ft

**Coordinates:** 682867.9766 E 1218867.5697 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 4/22/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
4/29/2015	3.87	36.68	6.71	0.246
9/21/2015	5.83	34.72	6.42	0.280
12/8/2015	3.65	36.90	6.79	0.325
2/9/2016	3.62	36.93	5.89	0.193

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Offsite well to southwest

**Whatcom Environmental Services**

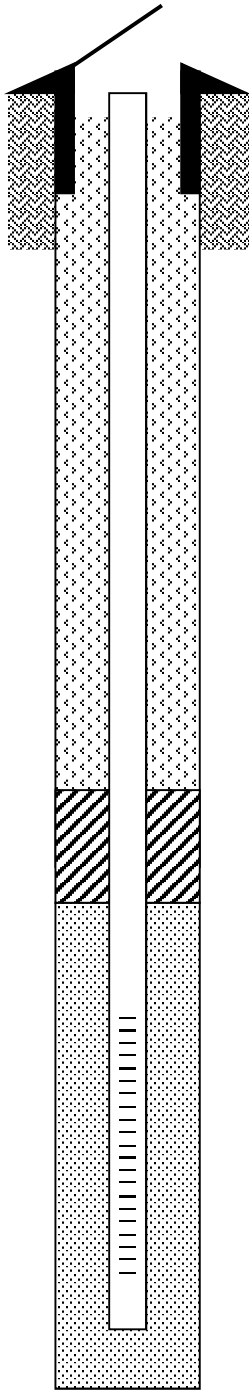
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**MW-18**

Ecology Well ID:

**BHZ-496**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
2'10"  
12'10"  
13'  
14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.6081 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.8738 ft

**Coordinates:** 682870.8509 E 1218913.9388 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 4/22/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
4/29/2015	3.99	36.62	6.72	0.256
9/21/2015	6.06	34.55	6.78	0.357
12/8/2015	3.93	36.68	6.79	0.353
2/9/2016	3.65	36.96	6.25	0.275

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Offsite well to south at center

**Whatcom Environmental Services**

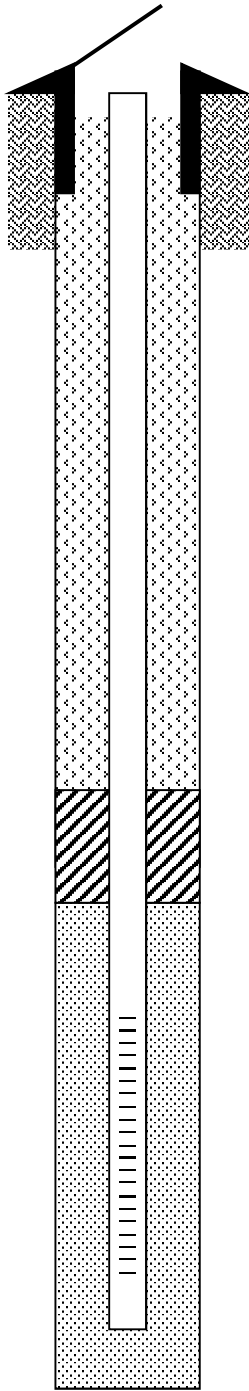
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**MW-19**

Ecology Well ID:

**BHZ-495**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
2'9"  
12'9"  
13'  
14'

**Elevations (feet):** Top of Casing: 40.2200 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.4589 ft

**Coordinates:** 682868.4751 E 1218957.8742 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 4/22/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
4/29/2015	3.66	36.56	6.72	0.198
9/21/2015	5.78	34.44	6.59	0.245
12/9/2015	NA	NA	6.80	0.220
2/10/2016	3.3	36.92	6.64	0.159

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Offsite well to southeast

**Not to Scale**

**Whatcom Environmental Services**

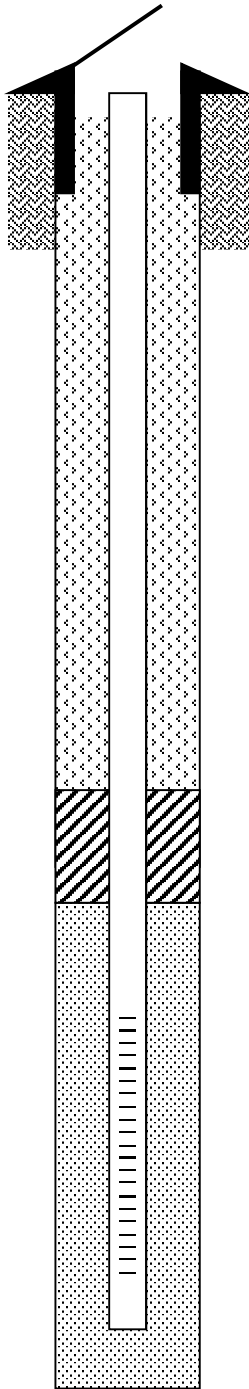
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**MW-20**

Ecology Well ID:

**BHZ-494**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
3'8"  
13'8"  
14'  
14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.5478 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.9034 ft

**Coordinates:** 682870.3182 E 1218835.7432 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 9/30/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
10/9/2015	6.20	34.35	6.83	0.224
12/8/2015	3.40	37.15	6.80	0.305
2/9/2016	3.58	36.97	6.57	0.333
7/13/2016	4.98	35.57	6.3	0.305

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** SW corner in right-of-way

**Whatcom Environmental Services**

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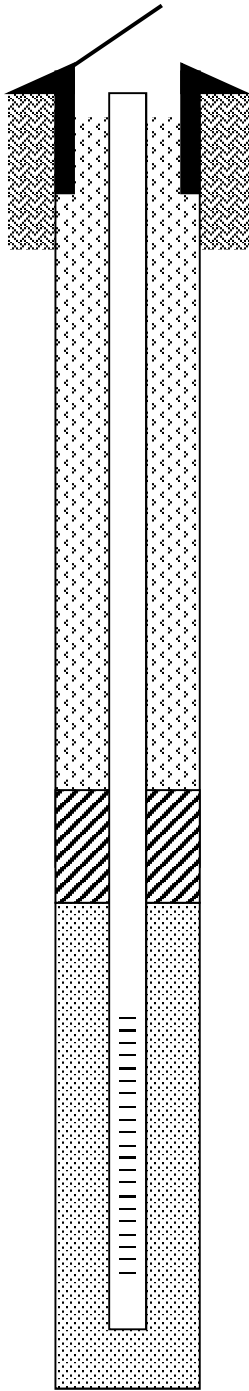
**MW-21**

Ecology Well ID:

**BIZ-219**



# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

3'10"

13'10"

14'

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.8065 ft  
**Mean Sea Level (MSL)** Ground Elevation: 41.1615 ft

**Coordinates:** 682950.9246 E 1218971.9842 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 9/30/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
10/9/2015	5.71	35.10	6.82	0.356
12/9/2015	4.14	36.67	6.84	0.266
2/9/2016	3.65	37.16	6.09	0.197
7/13/2016	5.44	35.37	6.51	0.166

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Front of store door

**Whatcom Environmental Services**

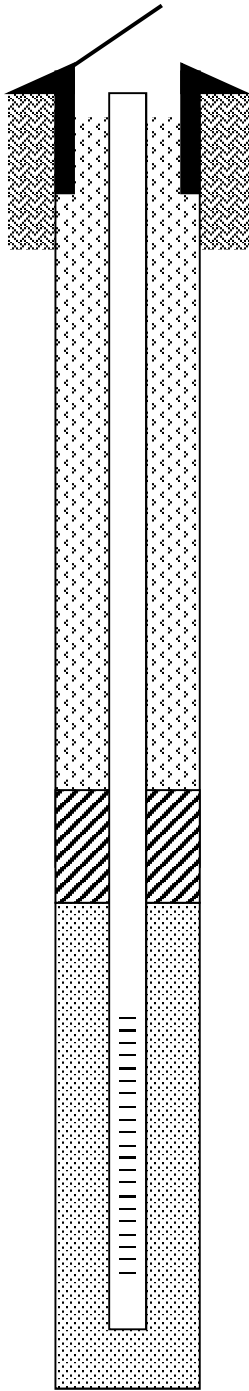
228 East Champion Street #101  
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**MW-22**

Ecology Well ID:

**BIZ-220**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
2'10"  
12'10"  
13'  
13'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.4985 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.8084 ft

**Coordinates:** 682840.6903 E 1218942.5144 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** Simco Track Mounted

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 12/3/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
12/8/2015	3.95	36.55	6.80	0.304
2/9/2016	3.60	36.90	6.39	0.346
7/12/2016	5.26	35.24	7.56	0.33

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** East end of adj. property southern fenceline

**Whatcom Environmental Services**

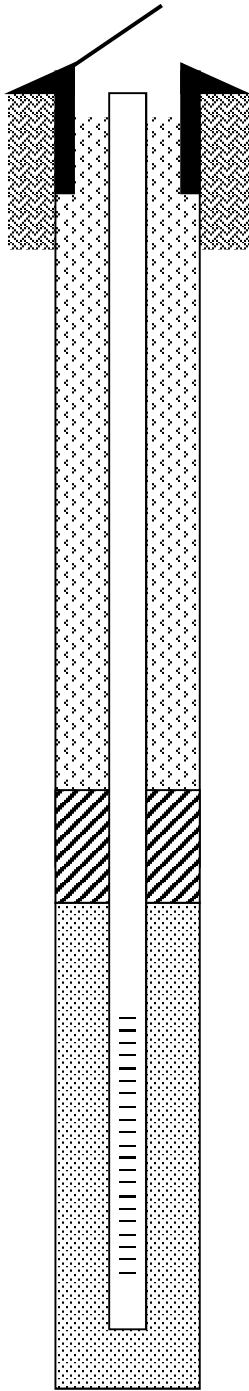
228 East Champion Street #101  
 Bellingham, WA 98225  
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**MW-23**

Ecology Well ID:

**BIZ-238**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

2'10"

12'10"

13'

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.3182 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.5495 ft

**Coordinates:** 682839.1052 E 1218900.6767 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** Simco Track Mounted

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 12/3/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
12/8/2015	3.60	36.72	6.80	0.288
2/9/2016	3.45	36.87	6.27	0.314
7/12/2016	5.08	35.24	7.13	0.307

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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**Project:** Kris's Mini Mart

**Location:** Center of adj. property southern fenceline

**Whatcom Environmental Services**

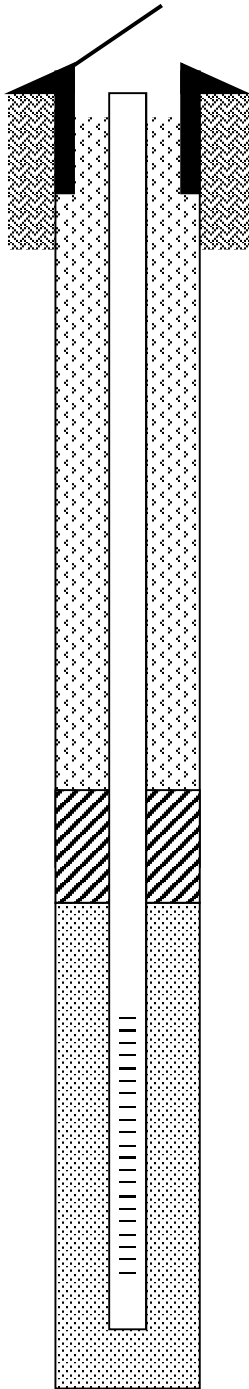
228 East Champion Street #101  
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**MW-24**

Ecology Well ID:

**BIZ-239Simco**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

2'8"

12'8"

13'

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.6694 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.5495 ft

**Coordinates:** 682845.1092 E 1218850.8373 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 8"

**Drill Rig:** Simco Track Mounted

**Drilled by:** Tom Adams - EDI

**Logged by:** Thom Davis - WES

**Completion Date:** 12/3/2015

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
12/8/2015	3.66	37.01	6.79	0.321
2/9/2016	3.74	36.93	6.49	0.330
7/12/2016	5.28	35.39	7.4	0.311

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** West end of adj. property southern fencelin

**Whatcom Environmental Services**

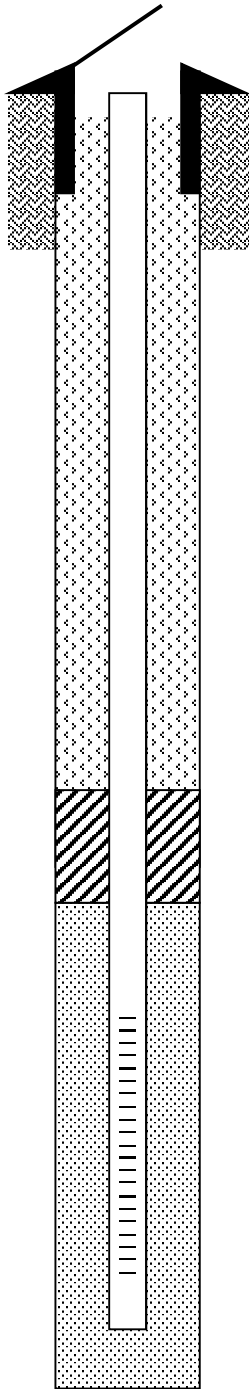
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**MW-25**

Ecology Well ID:

**BIZ-240**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

2'10"

12'10"

13'

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.5187 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.7452 ft

**Coordinates:** 682897.1811 E 1218833.8462 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 6"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Britta Nelson/Jake Reijm - WES

**Completion Date:** 6/29/2016

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
7/13/2016	4.96	35.56	6.45	0.302

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Southwest corner of property in ROW

**Whatcom Environmental Services**

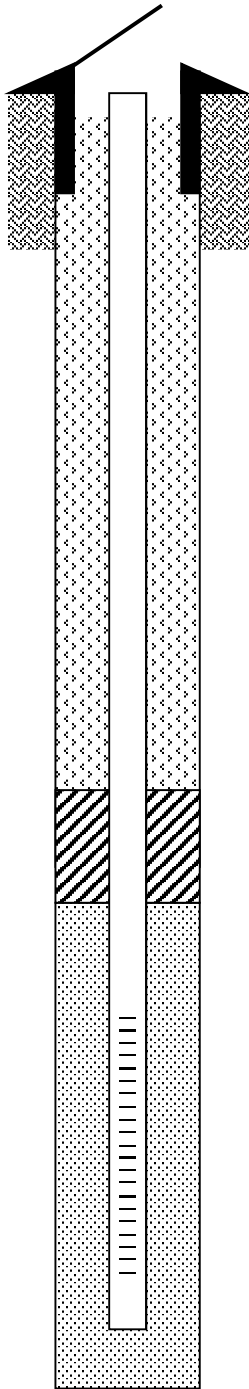
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**MW-26**

Ecology Well ID:

**BIZ-284**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

2'10"

12'10"

13'

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.3752 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.6706 ft

**Coordinates:** 683004.6884 E 1218840.2434 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 6"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Britta Nelson/Jake Reijm - WES

**Completion Date:** 6/29/2016

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
7/12/2016	4.54	35.84	7	0.323

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Northwest corner of property in ROW

**Whatcom Environmental Services**

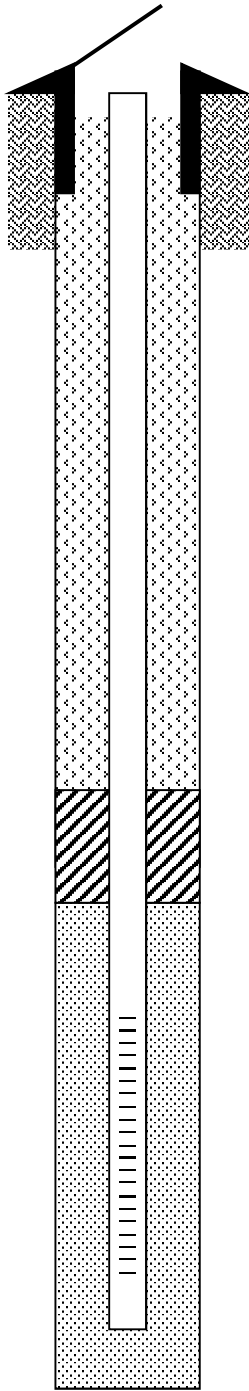
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**MW-27**

Ecology Well ID:

**BIZ-283**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

2'7"

12'7"

13'

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 40.5905 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.7630 ft

**Coordinates:** 682913.1312 E 1218985.2735 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 6"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Britta Nelson/Jake Reijm - WES

**Completion Date:** 6/29/2016

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
7/14/2016	5.35	35.24	7.06	0.207

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** East side of property

**Whatcom Environmental Services**

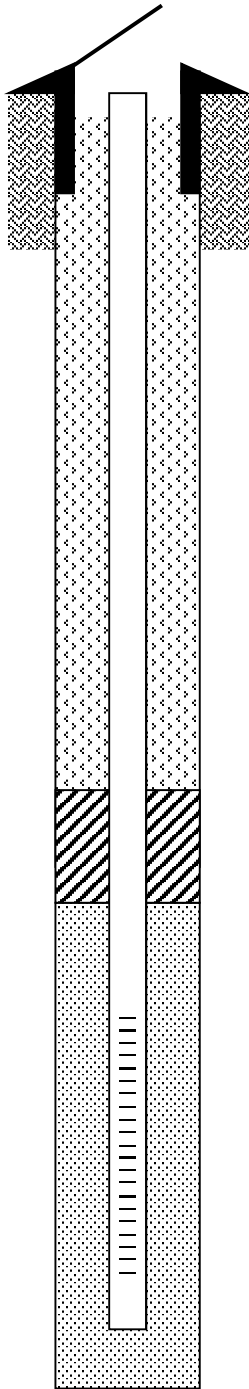
228 East Champion Street #101  
 Bellingham, WA 98225  
 (360) 752-9571

**MW-28**

Ecology Well ID:

**BIZ-282**

# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'

2'

3'

13'

13'10"

14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 39.8690 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.2235 ft

**Coordinates:** 682822.7936 E 1219009.5151 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 6"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Britta Nelson - WES

**Completion Date:** 6/30/2016

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
7/12/2016	4.9	34.97	7.18	0.2

**Comments:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Southeast corner of adj. property

**Whatcom Environmental Services**

228 East Champion Street #101  
 Bellingham, WA 98225  
 (360) 752-9571

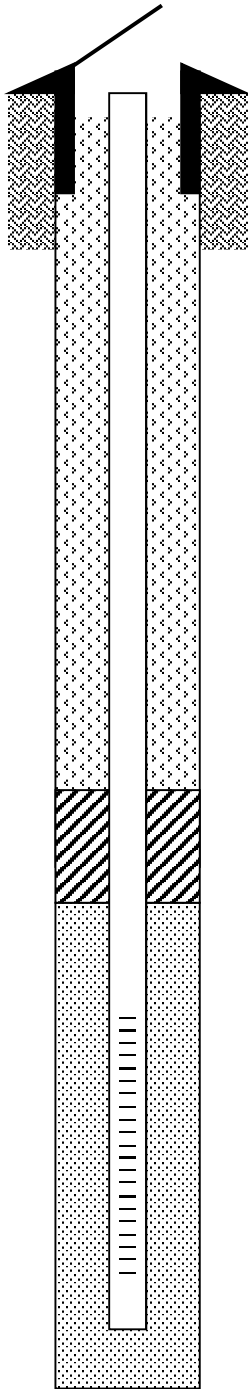
**MW-29**

Ecology Well ID:

**BIZ-285**



# Well Design Specifications



Depths in  
Feet Below  
Ground  
Surface

1'  
2'  
3'  
13'  
13'7"  
14'

**Not to Scale**

**Elevations (feet):** Top of Casing: 39.8912 ft  
**Mean Sea Level (MSL)** Ground Elevation: 40.5616 ft

**Coordinates:** 682802.6572 E 1219007.0813 N

**Coordinate System:** HORIZ: NAD 83/11 & VERT: NAVD 88

**Type of Casing:** PVC

**Casing Diameter:** 2"

**Screen Slot:** 0.01

**Screen Style:** Machine Slot

**Sand Pack:** 10/20 Silica

**Bentonite Seal:** Medium Chip

**Grout Type:** \_\_\_\_\_ **Weight:** \_\_\_\_\_

**Bore Hole Diameter:** 6"

**Drill Rig:** B-61

**Drilled by:** Tom Adams - EDI

**Logged by:** Britta Nelson - WES

**Completion Date:** 6/30/2016

Date of Measurement	D-T-W (ft. bgs)	Water Level (ft. MSL)	Field pH	Field EC (mS/cm)
7/12/2016	4.97	34.92	7.18	0.244

**Comments:** \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

**Project:** Kris's Mini Mart

**Location:** Southeast corner of adj. property

**Whatcom Environmental Services**

228 East Champion Street #101  
 Bellingham, WA 98225  
 (360) 752-9571

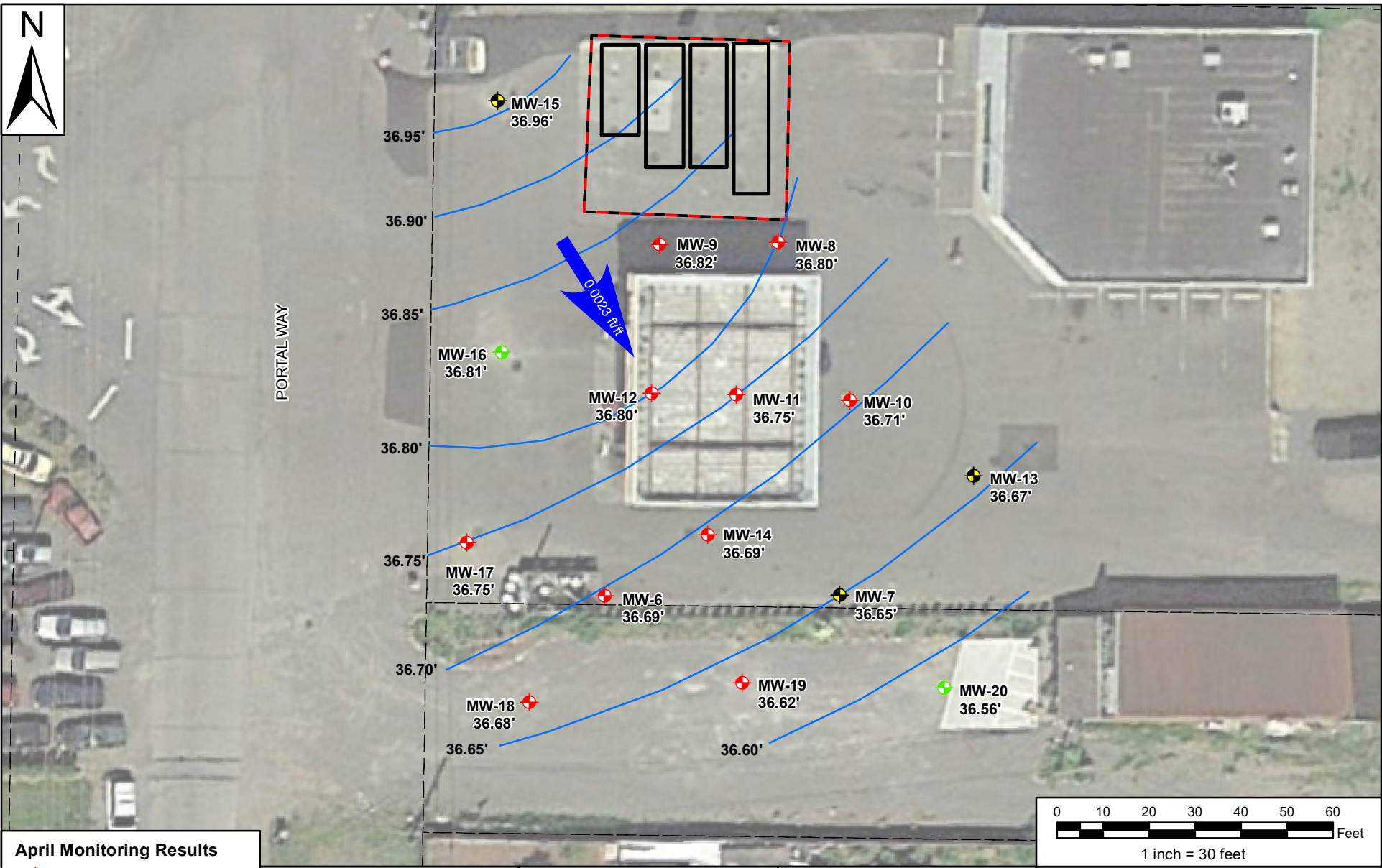
**MW-30**

Ecology Well ID:

**BIZ-286**

## **APPENDIX C**

Groundwater Contour Maps

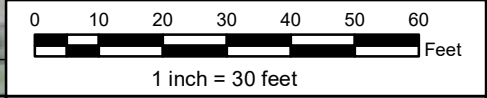


April Monitoring Results	
	Exceeded MTCAA A
	Met MTCAA A (detected)
	Met MTCAA A (non-detect)
	GW Contours 04/29/15
	2014 Tax Parcel Boundaries

All data are approximate and should be used for relative location reference only.  
 2015 Aerial Photograph (GoogleEarth).

Prepared for:  
**Kris's Mini Mart**

Prepared by:

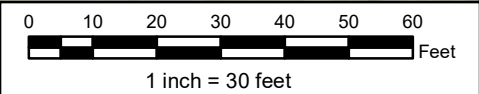
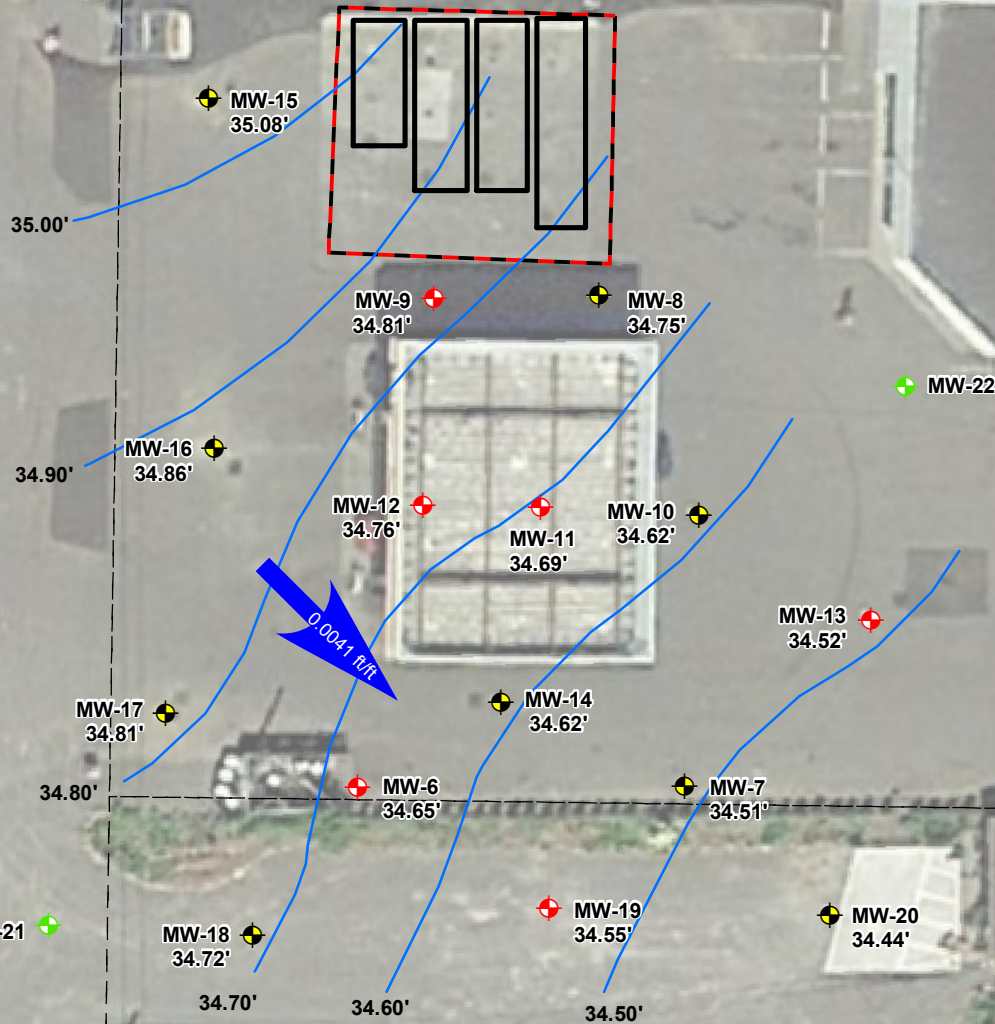


**Groundwater Elevation Contours (04/29/2015)**

Kris's Mini Mart 02/01/16	<b>Figure C-1</b>
------------------------------	-------------------



PORTAL WAY



- September Monitoring Results**
- ◆ Exceeded MTCAA
  - ◆ Met MTCAA (detected)
  - ◆ Met MTCAA (non-detect)
  - GW Contour 09/21/2015
  - 2014 Tax Parcel Boundaries

All data are approximate and should be used for relative location reference only.  
 2015 Aerial Photograph (GoogleEarth).

Prepared for:  
**Kris's Mini Mart**

Prepared by:  
**nwhatcom**  
 ENVIRONMENTAL

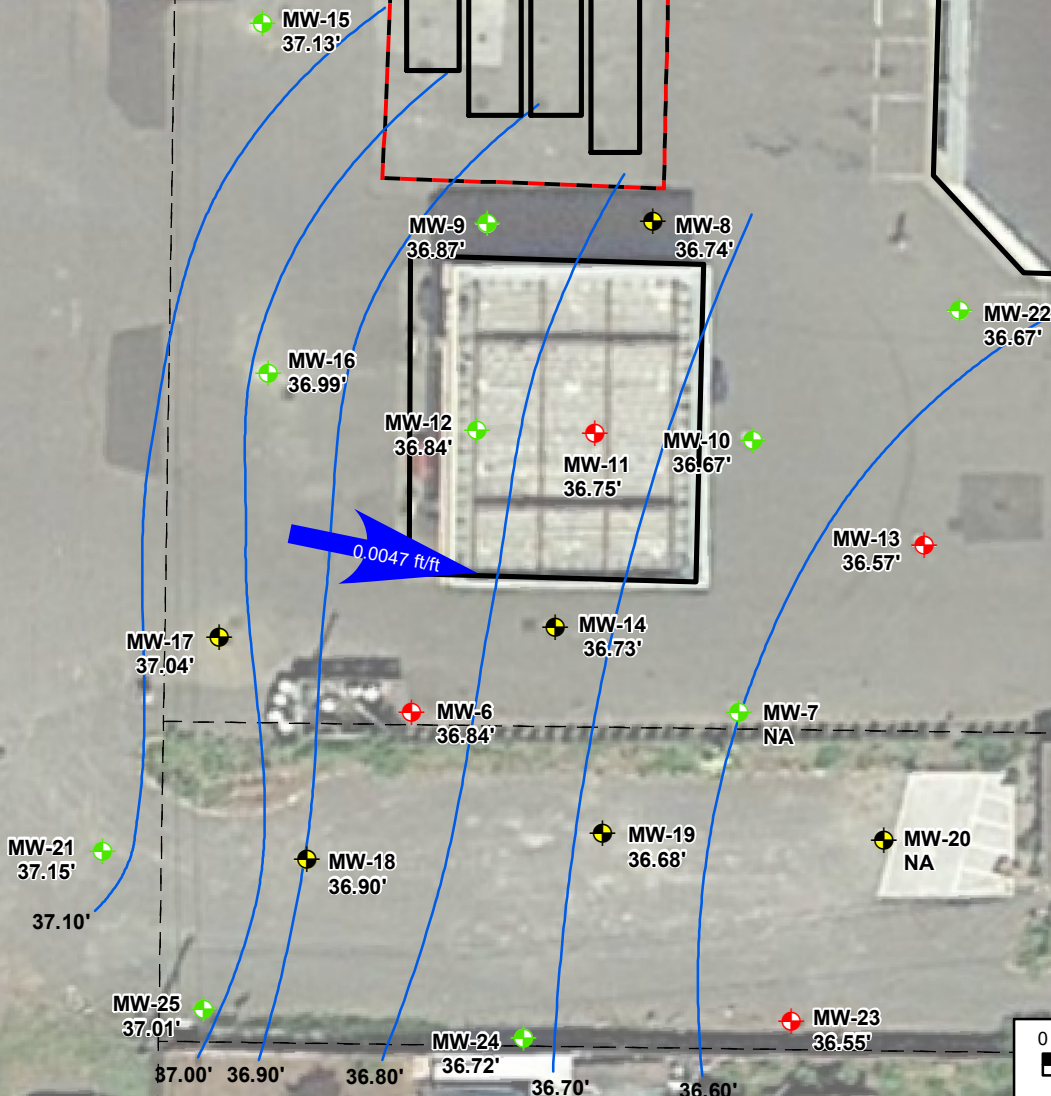
**Groundwater Elevation Contours (09/21/2015)**

Kris's Mini Mart 02/01/16	<b>Figure C-2</b>
------------------------------	-------------------





PORTAL WAY



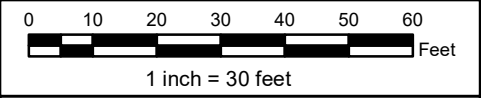
**December Monitoring Results**

- ◆ Exceeded MTCA A
- ◆ Met MTCA A (detected)
- ◆ Met MTCA A (non-detect)
- GW Contours 12/08/15
- 2014 Tax Parcel Boundaries

All data are approximate and should be used for relative location reference only.  
 2015 Aerial Photograph (GoogleEarth).

Prepared for:  
**Kris's Mini Mart**

Prepared by:  
**nwhatcom**  
 ENVIRONMENTAL

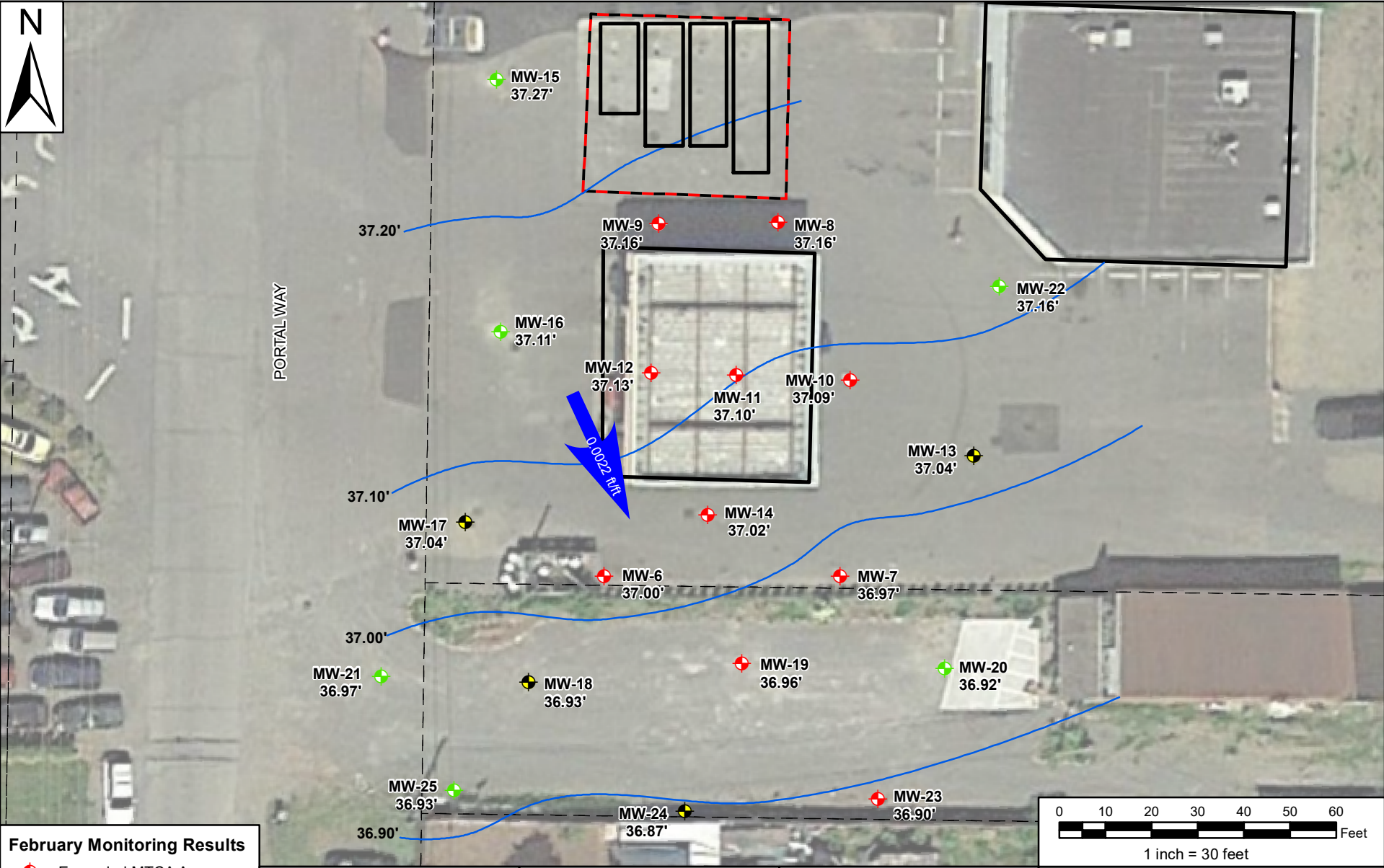


**Groundwater Elevation Contours (12/08/2015)**

Kris's Mini Mart 02/01/16	<b>Figure C-3</b>
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PORTAL WAY



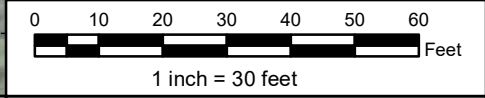
**February Monitoring Results**

- ◆ Exceeded MTCA A
- ◆ Met MTCA A (detected)
- ◆ Met MTCA A (non-detect)
- GW Contours 2/9/2016
- 2014 Tax Parcel Boundaries

All data are approximate and should be used for relative location reference only.  
 2015 Aerial Photograph (GoogleEarth).

Prepared for:  
**Kris's Mini Mart**

Prepared by:  
**nwhatcom**  
 ENVIRONMENTAL

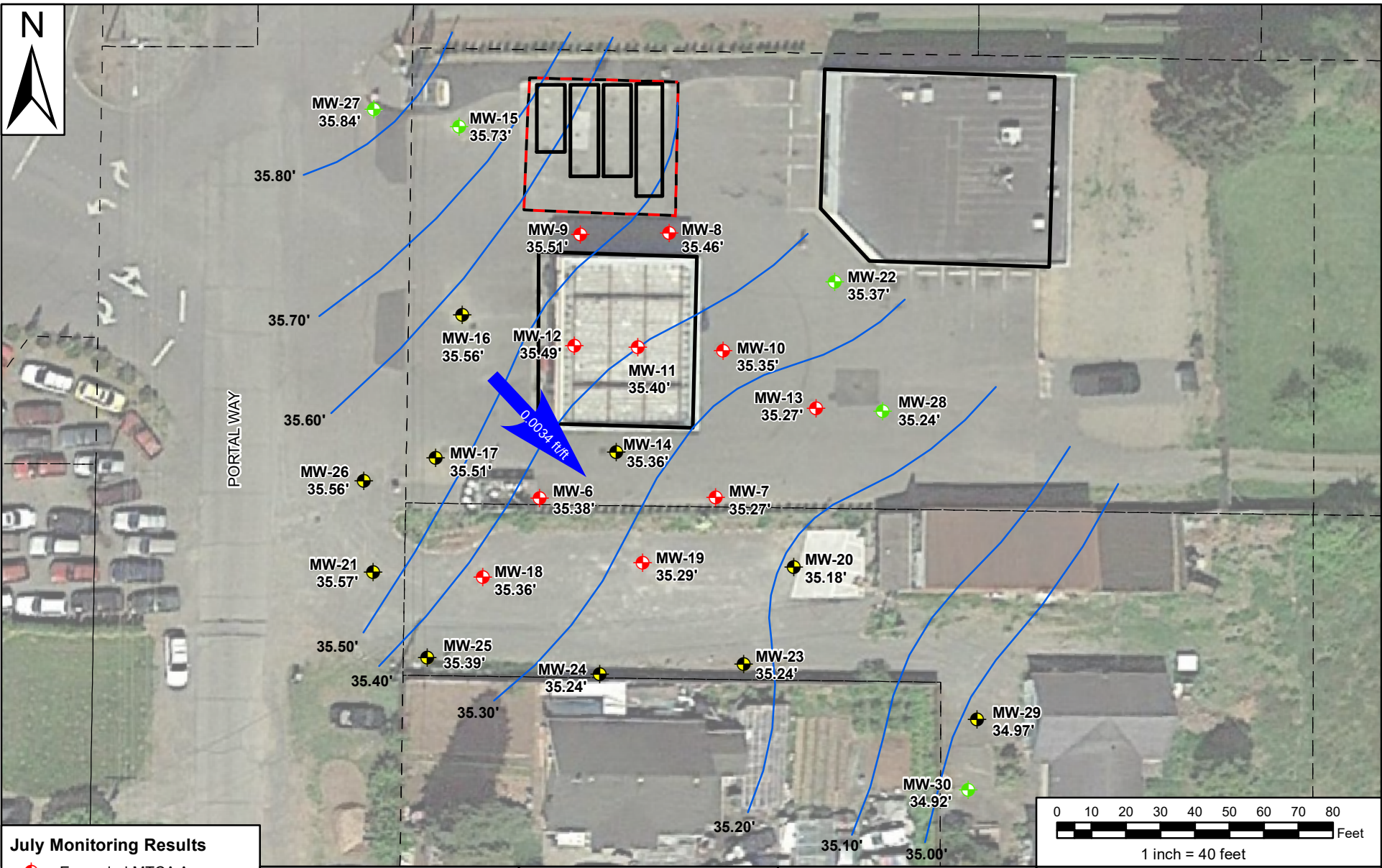


**Groundwater Elevation Contours (02/09/2016)**

Kris's Mini Mart  
 02/23/16

**Figure C-4**





July Monitoring Results	
	Exceeded MTCA A
	Met MTCA A (detected)
	Met MTCA A (non-detect)
	GW Contours 07/12/2016
	2014 Tax Parcel Boundaries

All data are approximate and should be used for relative location reference only.  
 2015 Aerial Photograph (GoogleEarth).

Prepared for:  
**Kris's Mini Mart**

Prepared by:

**Groundwater Elevation Contours (07/12/2016)**

Kris's Mini Mart 07/25/16	<b>Figure C-5</b>
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## **APPENDIX D**

Soil Laboratory Analytical Data Report





September 19, 2012

Mr. Thom Davis  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Davis,

On September 11th, 7 samples were received by our laboratory and assigned our laboratory project number EV12090040. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/19/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090040
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-01
CLIENT SAMPLE ID	GPB-1 6ft	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 9:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/11/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	09/11/2012	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/11/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/11/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/11/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/11/2012	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/14/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	92.0	09/11/2012	DLC
TFT	EPA-8021	82.6	09/11/2012	DLC
1,2-Dichloroethane-d4	EPA-8260	95.3	09/14/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/19/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090040
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-02
CLIENT SAMPLE ID	GPB-2 6ft	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 9:50:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/11/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	09/11/2012	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/11/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/11/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/11/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/11/2012	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/14/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>96.9</b>	09/11/2012	DLC
TFT	EPA-8021	<b>89.3</b>	09/11/2012	DLC
1,2-Dichloroethane-d4	EPA-8260	<b>97.6</b>	09/14/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/19/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090040
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	GPB-3 6ft	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 10:40:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/11/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	09/11/2012	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/11/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/11/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/11/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/11/2012	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/14/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>90.0</b>	09/11/2012	DLC
TFT	EPA-8021	<b>85.6</b>	09/11/2012	DLC
1,2-Dichloroethane-d4	EPA-8260	<b>101</b>	09/14/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/19/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090040
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-04
CLIENT SAMPLE ID	GPB-4 6.5ft	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 11:30:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>5.2</b>	3.0	1	MG/KG	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	09/12/2012	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/12/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/12/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/14/2012	GAP
Lead	EPA-6020	<b>2.1</b>	0.50	5	MG/KG	09/17/2012	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>90.9</b>	09/12/2012	DLC
TFT	EPA-8021	<b>94.4</b>	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260	<b>107</b>	09/14/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/19/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090040
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	GPB-5 6ft	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 12:30:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>460</b>	30	10	MG/KG	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	1.0	10	MG/KG	09/12/2012	DLC
Benzene	EPA-8021	U	0.30	10	MG/KG	09/12/2012	DLC
Toluene	EPA-8021	U	0.50	10	MG/KG	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	0.50	10	MG/KG	09/12/2012	DLC
Xylenes	EPA-8021	U	2.0	10	MG/KG	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/14/2012	GAP
Lead	EPA-6020	<b>2.2</b>	0.50	5	MG/KG	09/17/2012	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	<b>22.8 GS2</b>	09/12/2012	DLC
TFT 10X Dilution	EPA-8021	<b>25.6 GS2</b>	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260	<b>110</b>	09/14/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS2 - Surrogate outside of control limits due to dilution.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/19/2012
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV12090040
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	-06
<b>CLIENT SAMPLE ID</b>	GPB-5 15ft	<b>DATE RECEIVED:</b>	9/11/2012
		<b>COLLECTION DATE:</b>	9/10/2012 12:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	09/12/2012	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/12/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/12/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/12/2012	DLC

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>93.7</b>	09/12/2012	DLC
TFT	EPA-8021	<b>85.5</b>	09/12/2012	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/19/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090040
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-07
CLIENT SAMPLE ID	GPB-6 6ft	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 1:30:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	09/12/2012	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/12/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/12/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/14/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	95.4	09/12/2012	DLC
TFT	EPA-8021	90.2	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260	95.1	09/14/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

**CLIENT:** Whatcom Environmental Svcs., Inc. **DATE:** 9/19/2012  
 228 E. Champion St., Suite 101 **ALS SDG#:** EV12090040  
 Bellingham, WA 98225 **WDOE ACCREDITATION:** C601  
**CLIENT CONTACT:** Thom Davis  
**CLIENT PROJECT:** Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-090712S2 - Batch 3056 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	09/08/2012	DLC

**MB-090712S2 - Batch 3056 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	09/08/2012	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	09/08/2012	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	09/08/2012	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	09/08/2012	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	09/08/2012	DLC

**MB-091412S - Batch 3081 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
Toluene	EPA-8260	U	10	1	UG/KG	09/14/2012	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	09/14/2012	GAP

**MB-091412S - Batch 3072 - Soil by EPA-6020**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U	0.10	1	MG/KG	09/14/2012	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 9/19/2012  
 228 E. Champion St., Suite 101 ALS SDG#: EV12090040  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 3056 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	78.2			09/10/2012	DLC
TPH-Volatile Range - BSD	NWTPH-GX	78.3	0		09/10/2012	DLC

**ALS Test Batch ID: 3056 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	93.9			09/08/2012	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	93.2	1		09/08/2012	DLC
Benzene - BS	EPA-8021	96.2			09/08/2012	DLC
Benzene - BSD	EPA-8021	97.8	2		09/08/2012	DLC
Toluene - BS	EPA-8021	99.1			09/08/2012	DLC
Toluene - BSD	EPA-8021	101	2		09/08/2012	DLC
Ethylbenzene - BS	EPA-8021	98.8			09/08/2012	DLC
Ethylbenzene - BSD	EPA-8021	100	1		09/08/2012	DLC
Xylenes - BS	EPA-8021	99.5			09/08/2012	DLC
Xylenes - BSD	EPA-8021	102	2		09/08/2012	DLC

**ALS Test Batch ID: 3081 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	126			09/14/2012	GAP
1,1-Dichloroethene - BSD	EPA-8260	130	3		09/14/2012	GAP
Toluene - BS	EPA-8260	118			09/14/2012	GAP
Toluene - BSD	EPA-8260	116	1		09/14/2012	GAP

**ALS Test Batch ID: 3072 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	102			09/14/2012	RAL
Lead - BSD	EPA-6020	102	0		09/14/2012	RAL

APPROVED BY

Laboratory Director

# Chain of Custody/ Laboratory Analysis Request

**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 (425) 356-2626 Fax  
 http://www.alsglobal.com



EV12090040

Date 9/10/12 Page 1 Of 1

			ANALYSIS REQUESTED																			
PROJECT ID:	REPORT TO COMPANY:	PROJECT MANAGER:		NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 <input checked="" type="checkbox"/> EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pb <input type="checkbox"/> Pol <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify) <u>Lead (Pb)</u>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
PROJECT ID: <u>Kris' Mini Mart</u>	REPORT TO COMPANY: <u>Whastom Environmental Svcs.</u>	PROJECT MANAGER: <u>Thom</u>	ADDRESS: <u>228 E. Champion #101</u>	1.	2.	3.	4.	5.	6.	7.												
ADDRESS: <u>TS'ham, WA 98225</u>	PHONE: <u>752-9571</u>	PO. NUMBER: <u>Colony Insurance</u>	ATTENTION: <u>% Carol Lybear</u>	8.	9.	10.																
ADDRESS: <u>Claim#:194567</u>				Collected via 5035A																		
SAMPLE I.D.:	DATE:	TIME:	TYPE:	LAB#:																		
<u>GPB-1</u>	<u>6ft</u>	<u>9/10/12</u>	<u>915</u>	<u>soil</u>	<u>1</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>4</u>	
<u>GPB-2</u>	<u>6ft</u>		<u>950</u>		<u>2</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>4</u>	
<u>GPB-3</u>	<u>6ft</u>		<u>1040</u>		<u>3</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>4</u>	
<u>GPB-4</u>	<u>6.5ft</u>		<u>1130</u>		<u>4</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	<u>4</u>	
<u>GPB-5</u>	<u>6ft</u>		<u>1230</u>		<u>5</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>				<u>X</u>	<u>4</u>	
<u>GPB-5</u>	<u>15ft</u>		<u>1240</u>		<u>6</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>2</u>	
<u>GPB-6</u>	<u>6ft</u>		<u>1330</u>		<u>7</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>					<u>4</u>	

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [Signature] WES on 9/10/12 @ 1540  
 Received By: \_\_\_\_\_

2. Relinquished By: Shawn Robinson ALS 9/11/12 10:10  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 10  5  3  2  1  
SAMPLE DAY

Fuels & Hydrocarbon Analysis  
 5  3  1  
SAMPLE DAY

\* Turnaround request less than standard may incur Rush Charges



May 20, 2013

Mr. Thom Davis  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Davis,

On May 10th, 16 samples were received by our laboratory and assigned our laboratory project number EV13050059. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-01
CLIENT SAMPLE ID	B-8 8.5ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 9:30:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>4.6</b>	3.0	1	MG/KG	05/10/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/10/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	05/10/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	05/10/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/10/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	05/10/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/10/2013	LAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	05/14/2013	GAP
Lead	EPA-6020	<b>2.0</b>	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>73.8</b>	05/10/2013	DLC
TFT	EPA-8021	<b>74.8</b>	05/10/2013	DLC
C25	NWTPH-DX	<b>94.4</b>	05/10/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	<b>106</b>	05/14/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.

**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-02
CLIENT SAMPLE ID	B-9 6ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 11:30:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>1300</b>	300	100	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	2.0	20	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	0.60	20	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	U	1.0	20	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	<b>6.1</b>	1.0	20	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	<b>7.0</b>	4.0	20	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	220	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/10/2013	LAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	05/14/2013	GAP
Lead	EPA-6020	<b>1.9</b>	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	<b>0.0951 gs2</b>	05/13/2013	DLC
TFT 20X Dilution	EPA-8021	<b>2.95 GS2</b>	05/13/2013	DLC
C25	NWTPH-DX	<b>89.1</b>	05/10/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	<b>182 GS1</b>	05/14/2013	GAP

GS1 - Surrogate outside of control limits due to matrix effect.  
 gs2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	B-9 9ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 11:45:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	92	6.0	2	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.20	2	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	0.060	2	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	0.12	0.10	2	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	0.19	0.10	2	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	U	0.40	2	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/10/2013	LAP
Benzene	EPA-8260	13	5.0	1	UG/KG	05/17/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	99.1	05/13/2013	DLC
TFT 2X Dilution	EPA-8021	98.4	05/13/2013	DLC
C25	NWTPH-DX	92.4	05/10/2013	LAP
Toluene-d8	EPA-8260	94.9	05/17/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-04
CLIENT SAMPLE ID	B-9 14ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 11:56:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	05/10/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/10/2013	DLC
Benzene	EPA-8021	<b>0.12</b>	0.030	1	MG/KG	05/10/2013	DLC
Toluene	EPA-8021	<b>0.085</b>	0.050	1	MG/KG	05/10/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/10/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	05/10/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/10/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>79.5</b>	05/10/2013	DLC
TFT	EPA-8021	<b>76.7</b>	05/10/2013	DLC
C25	NWTPH-DX	<b>61.0</b>	05/10/2013	LAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	B-14 2ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 1:45:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	130	20	MG/KG	05/14/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	1.0	10	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	0.30	10	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	U	0.50	10	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	U	0.50	10	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	U	2.0	10	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>2200</b>	250	10	MG/KG	05/13/2013	LAP
TPH-Oil Range	NWTPH-DX	<b>1400</b>	500	10	MG/KG	05/13/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	<b>0.274 GS2</b>	05/14/2013	DLC
TFT 10X Dilution	EPA-8021	<b>1.06 GS2</b>	05/13/2013	DLC
C25 10X Dilution	NWTPH-DX	<b>117 DS2</b>	05/13/2013	LAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS2 - Surrogate outside of control limits due to dilution.  
 DS2 - Due to high dilution factor surrogate results should be considered uncontrolled.  
 Chromatogram indicates that it is likely that sample contains diesel 1 and lube oil.  
 Gasoline range reporting limit raised due to semivolatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-06
CLIENT SAMPLE ID	B-14 6ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 1:55:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>330</b>	25	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	<b>310</b>	50	1	MG/KG	05/10/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>75.7</b>	05/13/2013	DLC
TFT	EPA-8021	<b>74.4</b>	05/13/2013	DLC
C25	NWTPH-DX	<b>94.5</b>	05/10/2013	LAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains diesel 1 and lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-07
CLIENT SAMPLE ID	B-14 9ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 2:10:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	70	10	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	1.0	10	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	0.30	10	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	U	0.50	10	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	<b>1.1</b>	0.50	10	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	U	2.0	10	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>2600</b>	120	5	MG/KG	05/13/2013	LAP
TPH-Oil Range	NWTPH-DX	<b>950</b>	50	1	MG/KG	05/10/2013	LAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	05/14/2013	GAP
Lead	EPA-6020	<b>5.8</b>	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	<b>0.799 GS2</b>	05/13/2013	DLC
TFT 10X Dilution	EPA-8021	<b>1.02 GS2</b>	05/13/2013	DLC
C25	NWTPH-DX	<b>110</b>	05/10/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	<b>103</b>	05/14/2013	GAP

GS2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains diesel 1 and lube oil.  
 Gasoline range reporting limit raised due to semivolatiles range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-08
CLIENT SAMPLE ID	B-13 6.5ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 4:05:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>6.2</b>	3.0	1	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	<b>0.031</b>	0.030	1	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	<b>0.072</b>	0.050	1	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	05/10/2013	LAP
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/10/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>85.5</b>	05/13/2013	DLC
TFT	EPA-8021	<b>82.1</b>	05/13/2013	DLC
C25	NWTPH-DX	<b>94.0</b>	05/10/2013	LAP
C25	NWTPH-DX	<b>94.0</b>	05/10/2013	LAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/20/2013
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV13050059
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	-09
<b>CLIENT SAMPLE ID</b>	B-13 14ft	<b>DATE RECEIVED:</b>	5/10/2013
		<b>COLLECTION DATE:</b>	5/7/2013 4:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	05/10/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/10/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	05/10/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	05/10/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/10/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	05/10/2013	DLC

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>72.4</b>	05/10/2013	DLC
TFT	EPA-8021	<b>72.5</b>	05/10/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-10
CLIENT SAMPLE ID	B-10 6.5ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/8/2013 8:55:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>4900</b>	300	100	MG/KG	05/10/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	10	100	MG/KG	05/10/2013	DLC
Benzene	EPA-8021	U	3.0	100	MG/KG	05/10/2013	DLC
Toluene	EPA-8021	<b>82</b>	5.0	100	MG/KG	05/10/2013	DLC
Ethylbenzene	EPA-8021	<b>21</b>	5.0	100	MG/KG	05/10/2013	DLC
Xylenes	EPA-8021	<b>300</b>	20	100	MG/KG	05/10/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	220	1	MG/KG	05/11/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/11/2013	LAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	05/14/2013	GAP
Lead	EPA-6020	<b>2.1</b>	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	<b>0.0243 GS2</b>	05/10/2013	DLC
TFT 100X Dilution	EPA-8021	<b>0.0457 GS2</b>	05/10/2013	DLC
C25	NWTPH-DX	<b>99.4</b>	05/11/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	<b>111</b>	05/14/2013	GAP

GS2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains extremely weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.

**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-11
CLIENT SAMPLE ID	B-10 14ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/8/2013 9:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	<b>0.061</b>	0.050	1	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	<b>0.24</b>	0.20	1	MG/KG	05/13/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>80.9</b>	05/13/2013	DLC
TFT	EPA-8021	<b>81.8</b>	05/13/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-12
CLIENT SAMPLE ID	B-12 6.5ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/9/2013 9:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>2600</b>	120	40	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	4.0	40	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	1.2	40	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	U	2.0	40	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	<b>2.2</b>	2.0	40	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	<b>110</b>	8.0	40	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	220	1	MG/KG	05/11/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/11/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 40X Dilution	NWTPH-GX	<b>0.0857 GS2</b>	05/13/2013	DLC
TFT 40X Dilution	EPA-8021	<b>0.109 GS2</b>	05/13/2013	DLC
C25	NWTPH-DX	<b>81.9</b>	05/11/2013	LAP

GS2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains extremely weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-13
CLIENT SAMPLE ID	B-11 6.5ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/9/2013 11:20:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>3000</b>	150	50	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	5.0	50	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	1.5	50	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	<b>36</b>	2.5	50	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	<b>22</b>	2.5	50	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	<b>300</b>	10	50	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	220	1	MG/KG	05/11/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/11/2013	LAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	05/14/2013	GAP
Lead	EPA-6020	<b>2.3</b>	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	<b>0.0303 GS2</b>	05/13/2013	DLC
TFT 50X Dilution	EPA-8021	<b>0.0778 GS2</b>	05/13/2013	DLC
C25	NWTPH-DX	<b>73.8</b>	05/11/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	<b>109</b>	05/14/2013	GAP

GS2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains extremely weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-14
CLIENT SAMPLE ID	B-11 10ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/9/2013 11:40:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	59	3.0	1	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	0.54	0.050	1	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	0.44	0.050	1	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	4.2	0.20	1	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	05/11/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/11/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	107	05/13/2013	DLC
TFT	EPA-8021	107	05/13/2013	DLC
C25	NWTPH-DX	94.4	05/11/2013	LAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains extremely weathered gasoline.

**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-15
CLIENT SAMPLE ID	B-11 15ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/9/2013 12:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	05/11/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/11/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	05/11/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	05/11/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/11/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	05/11/2013	DLC
Lead	EPA-6020	<b>2.0</b>	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>71.9</b>	05/11/2013	DLC
TFT	EPA-8021	<b>72.1</b>	05/11/2013	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-16
CLIENT SAMPLE ID	B-16 6.5ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/9/2013 1:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>2600</b>	150	50	MG/KG	05/13/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	5.0	50	MG/KG	05/13/2013	DLC
Benzene	EPA-8021	U	1.5	50	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	<b>22</b>	2.5	50	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	<b>15</b>	2.5	50	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	<b>230</b>	10	50	MG/KG	05/13/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	220	1	MG/KG	05/11/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/11/2013	LAP
Lead	EPA-6020	<b>2.2</b>	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	<b>0.0349 GS2</b>	05/13/2013	DLC
TFT 50X Dilution	EPA-8021	<b>0.0743 GS2</b>	05/13/2013	DLC
C25	NWTPH-DX	<b>84.5</b>	05/11/2013	LAP

GS2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains extremely weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 5/20/2013  
 228 E. Champion St., Suite 101 ALS SDG#: EV13050059  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-051013S - Batch 3729 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	05/10/2013	DLC

**MB-051013S - Batch 3729 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	05/10/2013	DLC
Benzene	EPA-8021	U	0.030	1	MG/KG	05/10/2013	DLC
Toluene	EPA-8021	U	0.050	1	MG/KG	05/10/2013	DLC
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	05/10/2013	DLC
Xylenes	EPA-8021	U	0.20	1	MG/KG	05/10/2013	DLC

**MB-051013S2 - Batch 3728 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	05/10/2013	LAP

**MB-051413S - Batch 3739 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
Benzene	EPA-8260	U	5.0	1	UG/KG	05/14/2013	GAP
Toluene	EPA-8260	U	10	1	UG/KG	05/14/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	05/14/2013	GAP

**MB-051713S - Batch 3750 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	10	1	UG/KG	05/17/2013	GAP
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	05/17/2013	GAP
Benzene	EPA-8260	U	5.0	1	UG/KG	05/17/2013	GAP
Toluene	EPA-8260	U	10	1	UG/KG	05/17/2013	GAP
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	05/17/2013	GAP



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 5/20/2013  
228 E. Champion St., Suite 101 ALS SDG#: EV13050059  
Bellingham, WA 98225 WDOE ACCREDITATION: C601  
CLIENT CONTACT: Thom Davis  
CLIENT PROJECT: Kris' Mini Mart

LABORATORY BLANK RESULTS

MB-051013S - Batch 3726 - Soil by EPA-6020

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U	0.10	1	MG/KG	05/13/2013	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS SDG#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 3729 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	75.7			05/10/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	73.6	3		05/10/2013	DLC

**ALS Test Batch ID: 3729 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	85.5			05/10/2013	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	88.2	3		05/10/2013	DLC
Benzene - BS	EPA-8021	85.5			05/10/2013	DLC
Benzene - BSD	EPA-8021	89.3	4		05/10/2013	DLC
Toluene - BS	EPA-8021	88.7			05/10/2013	DLC
Toluene - BSD	EPA-8021	91.7	3		05/10/2013	DLC
Ethylbenzene - BS	EPA-8021	85.8			05/10/2013	DLC
Ethylbenzene - BSD	EPA-8021	88.6	3		05/10/2013	DLC
Xylenes - BS	EPA-8021	87.8			05/10/2013	DLC
Xylenes - BSD	EPA-8021	90.7	3		05/10/2013	DLC

**ALS Test Batch ID: 3728 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	81.5			05/10/2013	LAP
TPH-Diesel Range - BSD	NWTPH-DX	90.6	11		05/10/2013	LAP

**ALS Test Batch ID: 3739 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	108			05/14/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	111	2		05/14/2013	GAP
Benzene - BS	EPA-8260	108			05/14/2013	GAP
Benzene - BSD	EPA-8260	106	2		05/14/2013	GAP
Toluene - BS	EPA-8260	102			05/14/2013	GAP
Toluene - BSD	EPA-8260	96.4	6		05/14/2013	GAP

**ALS Test Batch ID: 3750 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	107			05/17/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260	108	1		05/17/2013	GAP



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 5/20/2013
228 E. Champion St., Suite 101 ALS SDG#: EV13050059
Bellingham, WA 98225 WDOE ACCREDITATION: C601
CLIENT CONTACT: Thom Davis
CLIENT PROJECT: Kris' Mini Mart

LABORATORY CONTROL SAMPLE RESULTS

Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include Benzene - BS, Benzene - BSD, Toluene - BS, Toluene - BSD.

ALS Test Batch ID: 3726 - Soil by EPA-6020

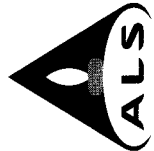
Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include Lead - BS, Lead - BSD.

APPROVED BY

Handwritten signature of Paul Bagum

Laboratory Director





ALS Environmental  
8620 Holly Drive, Suite 100  
Everett, WA 98208  
Phone (425) 356-2600  
(425) 356-2626 Fax  
http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV13050059

Date 5/9/13 Page 1 of 2

PROJECT ID: Krvis' Mini Mart				ANALYSIS REQUESTED												OTHER (Specify)																	
REPORT TO COMPANY: Whatcom Env. Svcs																																	
PROJECT MANAGER: Thom																																	
ADDRESS: 228 E. Champion #601 B'ham, WA 98225																																	
PHONE: 752-9574																																	
FAX: 752-9574																																	
E-MAIL: thavis@whatcom																																	
INVOICE TO COMPANY: Colony Insurance																																	
ATTENTION: % Carol Lyber																																	
ADDRESS: Claim # 194567																																	
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5	RCRA-8	Pb	TAL	Metals Other (Specify)	Lead (Pb)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	RECEIVED IN GOOD CONDITION?	NUMBER OF CONTAINERS			
1. B-8 8.5ft	5/7/13	930	Soil	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
2. B-9 6ft		1130		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
3. B-9 9ft		1145		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4		
4. B-9 14ft		1156		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4		
5. B-14 2ft		1345		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4		
6. B-14 6ft		1355		6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4		
7. B-14 9ft		1410		7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4		
8. B-13 6.5ft		1605		8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4		
9. B-13 14 ft		1620		9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4		

### SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time): WES 5/9/13 @ 1430  
 1. Relinquished By: [Signature]  
 Received By: [Signature]  
 2. Relinquished By: [Signature]  
 Received By: [Signature]

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

10/10 STANDARD  
 5 3 2 1 SAME DAY  
 5 3 1 SAME DAY  
 Hydrocarbon Analysis

\* Turnaround request less than standard may incur Rush Charges

**Chain Of Custody/  
Laboratory Analysis Request**ALS Job# **(Laboratory Use Only)****EV13050059**Date **5/9/13** Page **2** of **2**

OTHER (Specify)

ANALYSIS REQUESTED

PROJECT ID: **Kris' Mini Mart**  
 REPORT TO COMPANY: **Whatum Env. Sucs**  
 PROJECT MANAGER: **Thom**  
 ADDRESS: **228 E Champion #101  
 B'hain, WA 98225**  
 PHONE: **752-9573** FAX: **752-9573**  
 P.O. NUMBER: **-** E-MAIL: **tbanse@-**  
 INVOICE TO COMPANY: **Colony Insurance**  
 ATTENTION: **% Carol E/bear**  
 ADDRESS: **Claim #: 194567**

SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. B-10 6.5ft	5/8/13	855	Soil	10
2. B-10 14 ft	5/8/13	915	Soil	11
3. B-12 6.5ft	5/9/13	915		12
4. B-11 6.5ft		1120		13
5. B-11 10ft		1140		14
6. B-11 15ft		1200		15
7. B-16 6.5ft		1300		16
8.				
9.				
10.				

	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RCRA-8 P6 Pol TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Pest Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<b>Lead (Pb)</b>	<input type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	4	
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		<input type="checkbox"/>	4	

**SPECIAL INSTRUCTIONS****SIGNATURES (Name, Company, Date, Time):**
 1. Relinquished By: *[Signature]* **WES 5/9/13 @ 1430**  
 Received By: *[Signature]* **ALS 5/10/13 9:50 AM**

2. Relinquished By: \_\_\_\_\_

Received By: \_\_\_\_\_

 TERNATIONAL ORGANIC, Metals & Inorganic Analysis  
 TURNAROUND REQUESTED in Business Days\*  
 OTHER:  
 Specify: \_\_\_\_\_

10 STATISTICAL  
5 3 1  
SAME DAY  
1  
SAME DAY  
1

Statistical Hydrocarbon Analysis

\* Turnaround request less than standard may incur Rush Charges



April 27, 2015

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On April 23rd, 15 samples were received by our laboratory and assigned our laboratory project number EV15040115. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc.  
 228 E. Champion St., Suite 101  
 Bellingham, WA 98225

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris's Mini Mart  
 CLIENT SAMPLE ID: B-15 5ft

DATE: 4/27/2015  
 ALS JOB#: EV15040115  
 ALS SAMPLE#: EV15040115-01  
 DATE RECEIVED: 04/23/2015  
 COLLECTION DATE: 4/21/2015 3:30:00 PM  
 WDOE ACCREDITATION: C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	250	30	10	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	1.0	10	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	U	0.30	10	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	U	0.50	10	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	0.50	10	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	2.0	10	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	1400	50	2	MG/KG	04/24/2015	EBS
TPH-Oil Range	NWTPH-DX	U	100	2	MG/KG	04/24/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	ug/Kg	04/23/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	ug/Kg	04/23/2015	DLC
Lead	EPA-6020	55	0.50	5	MG/KG	04/23/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	140	04/24/2015	PAB
TFT 10X Dilution	EPA-8021	87.6	04/24/2015	PAB
C25 2X Dilution	NWTPH-DX	92.0	04/24/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	110	04/23/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Gasoline range product results biased high due to semivolatle range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15040115-02
CLIENT SAMPLE ID	B-15 9ft	DATE RECEIVED:	04/23/2015
		COLLECTION DATE:	4/21/2015 3:40:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	104	04/23/2015	PAB
TFT	EPA-8021	98.9	04/23/2015	PAB
C25	NWTPH-DX	88.0	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	4/27/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15040115
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15040115-03
<b>CLIENT SAMPLE ID</b>	B-16 6.5ft	<b>DATE RECEIVED:</b>	04/23/2015
		<b>COLLECTION DATE:</b>	4/21/2015 4:55:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS
Lead	EPA-6020	<b>4.4</b>	0.50	5	MG/KG	04/23/2015	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>99.7</b>	04/23/2015	PAB
TFT	EPA-8021	<b>88.5</b>	04/23/2015	PAB
C25	NWTPH-DX	<b>103</b>	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	4/27/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15040115
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15040115-04
<b>CLIENT SAMPLE ID</b>	B-16 9ft	<b>DATE RECEIVED:</b>	04/23/2015
		<b>COLLECTION DATE:</b>	4/21/2015 5:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>104</b>	04/23/2015	PAB
TFT	EPA-8021	<b>95.1</b>	04/23/2015	PAB
C25	NWTPH-DX	<b>95.5</b>	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15040115-05
CLIENT SAMPLE ID	B-17 2ft	DATE RECEIVED:	04/23/2015
		COLLECTION DATE:	4/22/2015 1:20:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	310	60	20	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	2.0	20	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	U	0.60	20	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	U	1.0	20	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	20	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	4.0	20	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	3200	120	5	MG/KG	04/24/2015	EBS
TPH-Oil Range	NWTPH-DX	1100	250	5	MG/KG	04/24/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	ug/Kg	04/23/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	ug/Kg	04/23/2015	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	295 GS2	04/24/2015	PAB
TFT 20X Dilution	EPA-8021	108	04/24/2015	PAB
C25 5X Dilution	NWTPH-DX	102	04/24/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	88.1	04/23/2015	DLC

GS2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel 1 and lube oil.  
 Gasoline range product results biased high due to semivolatle range product overlap.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	4/27/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15040115
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15040115-06
<b>CLIENT SAMPLE ID</b>	B-17 4ft	<b>DATE RECEIVED:</b>	04/23/2015
		<b>COLLECTION DATE:</b>	4/22/2015 1:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>8.7</b>	3.0	1	MG/KG	04/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>110</b>	25	1	MG/KG	04/24/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>200</b>	50	1	MG/KG	04/24/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	ug/Kg	04/23/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	ug/Kg	04/23/2015	DLC
Lead	EPA-6020	<b>80</b>	0.50	5	MG/KG	04/23/2015	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>112</b>	04/23/2015	PAB
TFT	EPA-8021	<b>104</b>	04/23/2015	PAB
C25	NWTPH-DX	<b>106</b>	04/24/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>81.2</b>	04/23/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and lube oil.  
 Gasoline range product results biased high due to semivolatile range product overlap.  
 Diesel range product results biased high due to oil range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	4/27/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15040115
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15040115-07
<b>CLIENT SAMPLE ID</b>	B-17 9ft	<b>DATE RECEIVED:</b>	04/23/2015
		<b>COLLECTION DATE:</b>	4/22/2015 1:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	111	04/23/2015	PAB
TFT	EPA-8021	102	04/23/2015	PAB
C25	NWTPH-DX	111	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15040115-08
CLIENT SAMPLE ID	B-18 5ft	DATE RECEIVED:	04/23/2015
		COLLECTION DATE:	4/22/2015 11:35:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/24/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>61</b>	50	1	MG/KG	04/24/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>109</b>	04/23/2015	PAB
TFT	EPA-8021	<b>99.8</b>	04/23/2015	PAB
C25	NWTPH-DX	<b>101</b>	04/24/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15040115-09
CLIENT SAMPLE ID	B-18 8ft	DATE RECEIVED:	04/23/2015
		COLLECTION DATE:	4/22/2015 11:45:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	ug/Kg	04/23/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	ug/Kg	04/23/2015	DLC
Lead	EPA-6020	<b>2.7</b>	0.50	5	MG/KG	04/23/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>91.2</b>	04/23/2015	PAB
TFT	EPA-8021	<b>90.0</b>	04/23/2015	PAB
C25	NWTPH-DX	<b>94.2</b>	04/23/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>79.3</b>	04/23/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15040115-10
CLIENT SAMPLE ID	B-18 14ft	DATE RECEIVED:	04/23/2015
		COLLECTION DATE:	4/22/2015 11:50:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	87.4	04/24/2015	PAB
TFT	EPA-8021	81.7	04/24/2015	PAB
C25	NWTPH-DX	85.9	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	4/27/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15040115
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15040115-11
<b>CLIENT SAMPLE ID</b>	B-19 6.5ft	<b>DATE RECEIVED:</b>	04/23/2015
		<b>COLLECTION DATE:</b>	4/22/2015 9:35:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>460</b>	60	20	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	2.0	20	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	U	0.60	20	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	U	1.0	20	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	20	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	4.0	20	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>780</b>	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>440</b>	50	1	MG/KG	04/23/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	ug/Kg	04/23/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	ug/Kg	04/23/2015	DLC
Lead	EPA-6020	<b>2.7</b>	0.50	5	MG/KG	04/23/2015	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 20X Dilution	NWTPH-GX	<b>355 GS2</b>	04/24/2015	PAB
TFT 20X Dilution	EPA-8021	<b>109</b>	04/24/2015	PAB
C25	NWTPH-DX	<b>101</b>	04/23/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>109</b>	04/23/2015	DLC

GS2 - Surrogate outside of control limits due to dilution.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel 1 and lube oil.  
 Gasoline range product results biased high due to semivolatile range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	4/27/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15040115
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15040115-12
<b>CLIENT SAMPLE ID</b>	B-19 9ft	<b>DATE RECEIVED:</b>	04/23/2015
		<b>COLLECTION DATE:</b>	4/22/2015 9:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>96.7</b>	04/24/2015	PAB
TFT	EPA-8021	<b>90.3</b>	04/24/2015	PAB
C25	NWTPH-DX	<b>99.6</b>	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15040115-13
CLIENT SAMPLE ID	B-19 14ft	DATE RECEIVED:	04/23/2015
		COLLECTION DATE:	4/22/2015 9:55:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	106	04/24/2015	PAB
TFT	EPA-8021	96.7	04/24/2015	PAB
C25	NWTPH-DX	94.1	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15040115-14
CLIENT SAMPLE ID	B-20 6ft	DATE RECEIVED:	04/23/2015
		COLLECTION DATE:	4/22/2015 8:25:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	0.037	0.030	1	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	0.13	0.050	1	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	ug/Kg	04/23/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	ug/Kg	04/23/2015	DLC
Lead	EPA-6020	3.0	0.50	5	MG/KG	04/23/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	138	04/24/2015	PAB
TFT	EPA-8021	132	04/24/2015	PAB
C25	NWTPH-DX	94.2	04/23/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	77.9	04/23/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	4/27/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15040115
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15040115-15
<b>CLIENT SAMPLE ID</b>	B-20 9ft	<b>DATE RECEIVED:</b>	04/23/2015
		<b>COLLECTION DATE:</b>	4/22/2015 8:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/24/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/24/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/24/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>99.2</b>	04/24/2015	PAB
TFT	EPA-8021	<b>95.9</b>	04/24/2015	PAB
C25	NWTPH-DX	<b>89.6</b>	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

**CLIENT:** Whatcom Environmental Svcs., Inc. **DATE:** 4/27/2015  
 228 E. Champion St., Suite 101 **ALS SDG#:** EV15040115  
 Bellingham, WA 98225 **WDOE ACCREDITATION:** C601  
**CLIENT CONTACT:** Harold Cashman  
**CLIENT PROJECT:** Kris's Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-042315S - Batch 92704 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	04/23/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-042315S - Batch 92704 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	04/23/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	04/23/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	04/23/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	04/23/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-042315S2 - Batch 92752 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	04/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	04/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-042215S - Batch 92792 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	10	1	ug/Kg	04/22/2015	DLC
1,2-Dichloroethane	EPA-8260	U	10	1	ug/Kg	04/22/2015	DLC
Toluene	EPA-8260	U	10	1	ug/Kg	04/22/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	ug/Kg	04/22/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-042315S - Batch 92715 - Soil by EPA-6020**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U	0.10	1	MG/KG	04/23/2015	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	4/27/2015
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV15040115
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 92704 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	90.6			04/23/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	90.8	0		04/23/2015	PAB

**ALS Test Batch ID: 92704 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	81.8			04/23/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	75.5	8		04/23/2015	PAB
Benzene - BS	EPA-8021	96.8			04/23/2015	PAB
Benzene - BSD	EPA-8021	95.4	1		04/23/2015	PAB
Toluene - BS	EPA-8021	97.0			04/23/2015	PAB
Toluene - BSD	EPA-8021	95.9	1		04/23/2015	PAB
Ethylbenzene - BS	EPA-8021	96.5			04/23/2015	PAB
Ethylbenzene - BSD	EPA-8021	94.5	2		04/23/2015	PAB
Xylenes - BS	EPA-8021	95.8			04/23/2015	PAB
Xylenes - BSD	EPA-8021	93.5	2		04/23/2015	PAB

**ALS Test Batch ID: 92752 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	90.0			04/23/2015	EBS
TPH-Diesel Range - BSD	NWTPH-DX	105	15		04/23/2015	EBS

**ALS Test Batch ID: 92792 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	96.1			04/22/2015	DLC
1,1-Dichloroethene - BSD	EPA-8260	94.1	2		04/22/2015	DLC
Toluene - BS	EPA-8260	97.0			04/22/2015	DLC
Toluene - BSD	EPA-8260	91.4	6		04/22/2015	DLC

**ALS Test Batch ID: 92715 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	103			04/23/2015	RAL
Lead - BSD	EPA-6020	102	1		04/23/2015	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
<http://www.alsglobal.com>

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV15040115

Date 4/22/15 Page 1 of 2

PROJECT ID: Kriss Mini Mart  
 REPORT TO COMPANY: Whitman Environmental Services  
 PROJECT MANAGER: Harold Cochran  
 ADDRESS: 228 E. Champion St. #101  
Bellingham, WA 98225  
 PHONE: 360 752-9757 FAX:  
 P.O. #: Colony Insurance  
 INVOICE TO COMPANY: c/o Carol Lyber  
 ATTENTION: Claim # 194567  
 ADDRESS:

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	ANALYSIS REQUESTED											OTHER (Specify)					NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?								
					NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5	RORA-8	Pt Pol			TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	
1. B-15 5ft	4-21-15	1530	Soil	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	1	
2. B-15 9ft		1540		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
3. B-16 6.5ft		1655		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
4. B-16 9ft		1700		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
5. B-17 2ft	4-22-15	1320		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
6. B-17 4ft		1330		6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
7. B-17 4ft 9ft		1340		7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
8. B-18 5ft		1135		8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
9. B-18 8ft		1145		9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
10. B-18 14ft		1150		10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	

SPECIAL INSTRUCTIONS: Samples collected via Method 5035A

SIGNATURES (Name, Company, Date/Time):  
 1. Relinquished By: Shawn Cochran WES 4/22/15 4:00  
 Received By: \_\_\_\_\_  
 2. Relinquished By: Shawn Cochran AW 4/23/15 8:50  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis:  1  2  3  4  5  
 Fuels & Hydrocarbon Analysis:  1  2  3  4  5  
 Specify: \_\_\_\_\_  
 \*Turnaround request less than standard may incur Rush Charges



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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

*EVISOYOLLS*

Date *4/23/15* Page *2* of *2*

PROJECT INFORMATION				ANALYSIS REQUESTED												OTHER (Specify)				
PROJECT ID:	REPORT TO COMPANY:	PROJECT MANAGER:	ADDRESS:	MTBE by EPA-8021	BTEX by EPA-8021	NMTPH-GX	NMTPH-DX	NMTPH-HCID	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EPA 8260 (water)	EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polyyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RCRA-8 TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Pest Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. B-19	6.5ft	4-22-15	9:35	Soil	11	X	X	X	X	X	X	X	X	X	X	X	X	X	5	
2. B-19	9ft		9:45		12	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
3. B-19	14ft		9:55		13	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
4. B-20	6ft		8:25		14	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
5. B-20	9ft		8:30		15	X	X	X	X	X	X	X	X	X	X	X	X	X	2	
6.																				
7.																				
8.																				
9.																				
10.																				

PROJECT ID: *Kris's Mini Mart*  
 REPORT TO COMPANY: *Western Environmental Services*  
 PROJECT MANAGER: *Harold Cashman*  
 ADDRESS: *228 E. Champion St. #101*  
*Bellingham, WA 98225*  
 PHONE: *360 753-8571* FAX:  
 P.O. #: *Colony Insurance* E-MAIL:  
 INVOICE TO COMPANY: *c/o Carol Lybair*  
 ATTENTION: *Claim # 194567*  
 ADDRESS:

SPECIAL INSTRUCTIONS: *Samples collected via method 5035A*

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: *Allok us 4/23/15 4:00*  
 Received By: \_\_\_\_\_  
 2. Relinquished By: *Shawn Robinson ALS 4/23/15 8:50*  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis:  Standard  SAME DAY  
 Fuels & Hydrocarbon Analysis:  Standard  SAME DAY

OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges





October 9, 2015

Mr. Thom Davis  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Davis,

On October 2nd, 4 samples were received by our laboratory and assigned our laboratory project number EV15100010. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	10/9/2015
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV15100010
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	EV15100010-01
<b>CLIENT SAMPLE ID</b>	B-21 6.5ft	<b>DATE RECEIVED:</b>	10/02/2015
		<b>COLLECTION DATE:</b>	9/30/2015 10:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND	3.0	1	MG/KG	10/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	ND	0.10	1	MG/KG	10/02/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/02/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	ND	25	1	MG/KG	10/02/2015	EBS
TPH-Oil Range	NWTPH-DX	ND	50	1	MG/KG	10/02/2015	EBS
1,2-Dichloroethane	EPA-8260	ND	10	1	UG/KG	10/05/2015	DLC
1,2-Dibromoethane	EPA-8260	ND	5.0	1	UG/KG	10/05/2015	DLC
Naphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/07/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/07/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/07/2015	GAP
Lead	EPA-6020	2.1	0.50	5	MG/KG	10/06/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	96.1	10/02/2015	PAB
TFT	EPA-8021	97.4	10/02/2015	PAB
C25	NWTPH-DX	80.3	10/02/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	122	10/05/2015	DLC
Terphenyl-d14	EPA-8270 SIM	61.7	10/07/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	10/9/2015
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV15100010
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	EV15100010-02
<b>CLIENT SAMPLE ID</b>	B-21 7.5ft	<b>DATE RECEIVED:</b>	10/02/2015
		<b>COLLECTION DATE:</b>	9/30/2015 10:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	ND	3.0	1	MG/KG	10/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	ND	0.10	1	MG/KG	10/02/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/02/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	ND	25	1	MG/KG	10/02/2015	EBS
TPH-Oil Range	NWTPH-DX	ND	50	1	MG/KG	10/02/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>86.7</b>	10/02/2015	PAB
TFT	EPA-8021	<b>91.2</b>	10/02/2015	PAB
C25	NWTPH-DX	<b>105</b>	10/02/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	10/9/2015
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV15100010
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	EV15100010-03
CLIENT SAMPLE ID	B-22 4ft	DATE RECEIVED:	10/02/2015
		COLLECTION DATE:	9/30/2015 11:50:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND	3.0	1	MG/KG	10/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	ND	0.10	1	MG/KG	10/02/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/02/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	ND	25	1	MG/KG	10/02/2015	EBS
TPH-Oil Range	NWTPH-DX	ND	50	1	MG/KG	10/02/2015	EBS
1,2-Dichloroethane	EPA-8260	ND	10	1	UG/KG	10/05/2015	DLC
1,2-Dibromoethane	EPA-8260	ND	5.0	1	UG/KG	10/05/2015	DLC
Naphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/07/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/07/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	ND	20	1	UG/KG	10/07/2015	GAP
Lead	EPA-6020	<b>2.3</b>	0.50	5	MG/KG	10/06/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>96.8</b>	10/02/2015	PAB
TFT	EPA-8021	<b>96.0</b>	10/02/2015	PAB
C25	NWTPH-DX	<b>94.7</b>	10/02/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>122</b>	10/05/2015	DLC
Terphenyl-d14	EPA-8270 SIM	<b>87.3</b>	10/07/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	10/9/2015
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV15100010
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	EV15100010-04
<b>CLIENT SAMPLE ID</b>	B-22 9ft	<b>DATE RECEIVED:</b>	10/02/2015
		<b>COLLECTION DATE:</b>	9/30/2015 12:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	ND	3.0	1	MG/KG	10/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	ND	0.10	1	MG/KG	10/02/2015	PAB
Benzene	EPA-8021	ND	0.030	1	MG/KG	10/02/2015	PAB
Toluene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Ethylbenzene	EPA-8021	ND	0.050	1	MG/KG	10/02/2015	PAB
Xylenes	EPA-8021	ND	0.20	1	MG/KG	10/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	ND	25	1	MG/KG	10/02/2015	EBS
TPH-Oil Range	NWTPH-DX	ND	50	1	MG/KG	10/02/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>93.8</b>	10/02/2015	PAB
TFT	EPA-8021	<b>91.4</b>	10/02/2015	PAB
C25	NWTPH-DX	<b>82.4</b>	10/02/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 10/9/2015  
 228 E. Champion St., Suite 101 ALS SDG#: EV15100010  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-100115S2 - Batch 97701 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U		MG/KG	3.0	10/02/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-100115S2 - Batch 97701 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U		MG/KG	0.10	10/02/2015	PAB
Benzene	EPA-8021	U		MG/KG	0.030	10/02/2015	PAB
Toluene	EPA-8021	U		MG/KG	0.050	10/02/2015	PAB
Ethylbenzene	EPA-8021	U		MG/KG	0.050	10/02/2015	PAB
Xylenes	EPA-8021	U		MG/KG	0.20	10/02/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-100115S - Batch 97692 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U		MG/KG	25	10/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U		MG/KG	50	10/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-100515S2 - Batch 97745 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U		UG/KG	10	10/05/2015	DLC
1,2-Dichloroethane	EPA-8260	U		UG/KG	10	10/05/2015	DLC
Toluene	EPA-8260	U		UG/KG	10	10/05/2015	DLC
1,2-Dibromoethane	EPA-8260	U		UG/KG	5.0	10/05/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-093015S - Batch 97647 - Soil by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U		UG/KG	20	09/30/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	09/30/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U		UG/KG	20	09/30/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U		UG/KG	20	09/30/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 10/9/2015
228 E. Champion St., Suite 101 ALS SDG#: EV15100010
Bellingham, WA 98225 WDOE ACCREDITATION: C601
CLIENT CONTACT: Thom Davis
CLIENT PROJECT: Kris' Mini Mart

LABORATORY BLANK RESULTS

MB-100615S - Batch 97794 - Soil by EPA-6020

Table with 9 columns: ANALYTE, METHOD, RESULTS, QUAL, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Lead, EPA-6020, U, , MG/KG, 0.10, 10/06/2015, RAL

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	10/9/2015
CLIENT CONTACT:	Thom Davis	ALS SDG#:	EV15100010
CLIENT PROJECT:	Kris' Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 97701 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	96.2			10/02/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	99.5	3		10/02/2015	PAB

**ALS Test Batch ID: 97701 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	93.3			10/02/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	94.3	1		10/02/2015	PAB
Benzene - BS	EPA-8021	80.5			10/02/2015	PAB
Benzene - BSD	EPA-8021	81.1	1		10/02/2015	PAB
Toluene - BS	EPA-8021	81.3			10/02/2015	PAB
Toluene - BSD	EPA-8021	81.3	0		10/02/2015	PAB
Ethylbenzene - BS	EPA-8021	88.9			10/02/2015	PAB
Ethylbenzene - BSD	EPA-8021	90.2	1		10/02/2015	PAB
Xylenes - BS	EPA-8021	87.4			10/02/2015	PAB
Xylenes - BSD	EPA-8021	88.6	1		10/02/2015	PAB

**ALS Test Batch ID: 97692 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	95.8			10/01/2015	EBS
TPH-Diesel Range - BSD	NWTPH-DX	88.6	8		10/01/2015	EBS

**ALS Test Batch ID: 97745 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	81.1			10/05/2015	DLC
1,1-Dichloroethene - BSD	EPA-8260	95.5	16		10/05/2015	DLC
Toluene - BS	EPA-8260	108			10/05/2015	DLC
Toluene - BSD	EPA-8260	110	2		10/05/2015	DLC

**ALS Test Batch ID: 97647 - Soil by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	77.5			09/30/2015	GAP
Naphthalene - BSD	EPA-8270 SIM	88.0	13		09/30/2015	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	100			09/30/2015	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	101	1		09/30/2015	GAP

**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	10/9/2015
		ALS SDG#:	EV15100010
		WDOE ACCREDITATION:	C601
CLIENT CONTACT:	Thom Davis		
CLIENT PROJECT:	Kris' Mini Mart		

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 97794 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	100			10/06/2015	RAL
Lead - BSD	EPA-6020	98.5	1		10/06/2015	RAL

APPROVED BY



Laboratory Director





**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# \_\_\_\_\_ (Laboratory Use Only)

EV15100010

Date 10-1-15 Page 1 Of 1

PROJECT ID: Kris' Mini Mart  
 REPORT TO COMPANY: Whitson Env. Svc.  
 PROJECT MANAGER: Thom  
 ADDRESS: 228 E. Champion # 101  
Issaquah, WA 98205  
 PHONE: 752-9571 FAX: 752-9578  
 P.O. #: \_\_\_\_\_ E-MAIL: \_\_\_\_\_  
 INVOICE TO COMPANY: Colony Insurance  
 ATTENTION: 96: Carol Lybbeer  
 ADDRESS: Claim #: 194567

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	ANALYSIS REQUESTED										OTHER (Specify)		RECEIVED IN GOOD CONDITION?						
					NWTRH-HCID	NWTRH-DX	NWTRH-GX	BTEX by EPA-8021	MTBE by EPA-8021 <input type="checkbox"/> EPA-8260 <input checked="" type="checkbox"/>	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/>	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082		Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify) <u>Lead (Pb)</u>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>			
1. B-21 6.5ft	9-30-15	1015	Soil	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4			
2. B-21 7.5ft		1050		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2			
3. B-22 4ft		1150		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4			
4. B-22 9ft		1200		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2			
5.																							
6.																							
7.																							
8.																							
9.																							
10.																							

Collected Via SOSSA

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: [Signature] WES 10-1-15 @ 1030  
 Received By: \_\_\_\_\_  
 2. Relinquished By: Shawn Robinson ALS 10/2/15 9:50am  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 Organic, Metals & Inorganic Analysis  
 10  5  3  2  1  SAME DAY  
 Fuels & Hydrocarbon Analysis  
 5  3  1  SAME DAY

\*Turnaround request less than standard may incur Rush Charges



December 10, 2015

Mr. Thom Davis  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Davis,

On December 4th, 6 samples were received by our laboratory and assigned our laboratory project number EV15120047. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/10/2015
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV15120047
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	EV15120047-01
<b>CLIENT SAMPLE ID</b>	B-23 5.5 to 6ft	<b>DATE RECEIVED:</b>	12/04/2015
		<b>COLLECTION DATE:</b>	12/3/2015 9:20:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	12/04/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	12/04/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	12/08/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	12/08/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	12/04/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/04/2015	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
Lead	EPA-6020	2.7	0.50	5	MG/KG	12/09/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	95.2	12/04/2015	PAB
TFT	EPA-8021	88.8	12/04/2015	PAB
C25	NWTPH-DX	80.5	12/08/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	105	12/04/2015	DLC
Terphenyl-d14	EPA-8270 SIM	55.1	12/07/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/10/2015
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV15120047
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	EV15120047-02
<b>CLIENT SAMPLE ID</b>	B-23 13 to 14ft	<b>DATE RECEIVED:</b>	12/04/2015
		<b>COLLECTION DATE:</b>	12/3/2015 9:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	12/04/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	12/04/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	12/08/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	12/08/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>79.6</b>	12/04/2015	PAB
TFT	EPA-8021	<b>76.0</b>	12/04/2015	PAB
C25	NWTPH-DX	<b>80.4</b>	12/08/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/10/2015
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV15120047
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	EV15120047-03
CLIENT SAMPLE ID	B-24 5.5 to 6ft	DATE RECEIVED:	12/04/2015
		COLLECTION DATE:	12/3/2015 10:50:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	12/04/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	12/04/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	12/08/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	12/08/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	12/04/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/04/2015	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
Lead	EPA-6020	<b>2.7</b>	0.50	5	MG/KG	12/09/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>89.2</b>	12/04/2015	PAB
TFT	EPA-8021	<b>84.3</b>	12/04/2015	PAB
C25	NWTPH-DX	<b>88.6</b>	12/08/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>103</b>	12/04/2015	DLC
Terphenyl-d14	EPA-8270 SIM	<b>76.8</b>	12/07/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/10/2015
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV15120047
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	EV15120047-04
CLIENT SAMPLE ID	B-24 13 to 14ft	DATE RECEIVED:	12/04/2015
		COLLECTION DATE:	12/3/2015 11:00:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	12/04/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	12/04/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/04/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	12/08/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	12/08/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	82.4	12/04/2015	PAB
TFT	EPA-8021	78.9	12/04/2015	PAB
C25	NWTPH-DX	108	12/08/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/10/2015
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV15120047
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	EV15120047-05
CLIENT SAMPLE ID	B-25 5.5 to 6ft	DATE RECEIVED:	12/04/2015
		COLLECTION DATE:	12/3/2015 12:20:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/05/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	12/05/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	12/05/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	12/05/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/05/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/05/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	12/08/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	12/08/2015	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	12/04/2015	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	12/04/2015	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	12/07/2015	GAP
Lead	EPA-6020	<b>2.3</b>	0.50	5	MG/KG	12/09/2015	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>88.6</b>	12/05/2015	PAB
TFT	EPA-8021	<b>85.7</b>	12/05/2015	PAB
C25	NWTPH-DX	<b>105</b>	12/08/2015	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>108</b>	12/04/2015	DLC
Terphenyl-d14	EPA-8270 SIM	<b>61.6</b>	12/07/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/10/2015
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV15120047
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	EV15120047-06
<b>CLIENT SAMPLE ID</b>	B-25 13 to 14ft	<b>DATE RECEIVED:</b>	12/04/2015
		<b>COLLECTION DATE:</b>	12/3/2015 12:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	12/05/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	12/05/2015	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	12/05/2015	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	12/05/2015	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	12/05/2015	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	12/05/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	12/08/2015	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	12/08/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>82.5</b>	12/05/2015	PAB
TFT	EPA-8021	<b>81.5</b>	12/05/2015	PAB
C25	NWTPH-DX	<b>104</b>	12/08/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 12/10/2015  
 228 E. Champion St., Suite 101 ALS SDG#: EV15120047  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-120215S - Batch 99478 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	12/02/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-120215S - Batch 99478 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	MG/KG	0.10	12/02/2015	PAB
Benzene	EPA-8021	U	MG/KG	0.030	12/02/2015	PAB
Toluene	EPA-8021	U	MG/KG	0.050	12/02/2015	PAB
Ethylbenzene	EPA-8021	U	MG/KG	0.050	12/02/2015	PAB
Xylenes	EPA-8021	U	MG/KG	0.20	12/02/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-120215S - Batch 99482 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	12/02/2015	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	12/02/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-120115S - Batch 99446 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	12/01/2015	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	12/01/2015	DLC
Toluene	EPA-8260	U	UG/KG	10	12/01/2015	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	12/01/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-113015S - Batch 99432 - Soil by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	11/30/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	11/30/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	11/30/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	11/30/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 12/10/2015
228 E. Champion St., Suite 101 ALS SDG#: EV15120047
Bellingham, WA 98225 WDOE ACCREDITATION: C601
CLIENT CONTACT: Thom Davis
CLIENT PROJECT: Kris' Mini Mart

LABORATORY BLANK RESULTS

MB-120915S - Batch 99668 - Soil by EPA-6020

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Lead, EPA-6020, U, MG/KG, 0.10, 12/09/2015, RAL

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/10/2015
CLIENT CONTACT:	Thom Davis	ALS SDG#:	EV15120047
CLIENT PROJECT:	Kris' Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 99478 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	90.2			12/02/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	92.1	2		12/02/2015	PAB

**ALS Test Batch ID: 99478 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	101			12/02/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	101	0		12/02/2015	PAB
Benzene - BS	EPA-8021	89.7			12/02/2015	PAB
Benzene - BSD	EPA-8021	89.4	0		12/02/2015	PAB
Toluene - BS	EPA-8021	92.2			12/02/2015	PAB
Toluene - BSD	EPA-8021	90.8	1		12/02/2015	PAB
Ethylbenzene - BS	EPA-8021	92.2			12/02/2015	PAB
Ethylbenzene - BSD	EPA-8021	91.4	1		12/02/2015	PAB
Xylenes - BS	EPA-8021	94.5			12/02/2015	PAB
Xylenes - BSD	EPA-8021	94.1	0		12/02/2015	PAB

**ALS Test Batch ID: 99482 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	87.4			12/02/2015	EBS
TPH-Diesel Range - BSD	NWTPH-DX	95.1	8		12/03/2015	EBS

**ALS Test Batch ID: 99446 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260	101			12/01/2015	DLC
1,1-Dichloroethene - BSD	EPA-8260	104	3		12/01/2015	DLC
Toluene - BS	EPA-8260	109			12/01/2015	DLC
Toluene - BSD	EPA-8260	108	1		12/01/2015	DLC

**ALS Test Batch ID: 99432 - Soil by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	85.8			11/30/2015	GAP
Naphthalene - BSD	EPA-8270 SIM	76.0	12		11/30/2015	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	83.9			11/30/2015	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	68.2	21		11/30/2015	GAP



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

DATE: 12/10/2015  
ALS SDG#: EV15120047  
WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
CLIENT PROJECT: Kris' Mini Mart

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 99668 - Soil by EPA-6020

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	107			12/09/2015	RAL
Lead - BSD	EPA-6020	110	3		12/09/2015	RAL

APPROVED BY

Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job#

EV15120047

(Laboratory Use Only)

Date 12/3/15 Page 1 Of 1

PROJECT ID: Kris' Mini Mart  
 REPORT TO COMPANY: Western Env. Svcs  
 PROJECT MANAGER: 228 E. Champion #101  
 ADDRESS: B'hamy WA 98225  
 P.M.: Them - Harold  
 PHONE: 752-9571 FAX: 752-9573  
 PO.#: \_\_\_\_\_ E-MAIL: blaise.whe...  
 INVOICE TO COMPANY: Colony Insurance  
 ATTENTION: % Carol Lybeer  
 ADDRESS: Claim #: 194567

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	ANALYSIS REQUESTED										OTHER (Specify)		RECEIVED IN GOOD CONDITION?				
					NWTPH-HID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 <input checked="" type="checkbox"/> EPA-8260 <input type="checkbox"/>	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/>	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082		Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pt <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify) <u>Lead (Pb)</u>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Past <input type="checkbox"/> Herbs <input type="checkbox"/>	X <u>Napthalenes (EPA 8270)</u>
1. B-23 5.5 to 6ft	12/3/15	920	Soil	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
2. B-23 13 to 14ft		930		2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
3. B-24 5.5 to 6ft		1050		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
4. B-24 13 to 14ft		1100		4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
5. B-25 5.5 to 6ft		1220		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4
6. B-25 13 to 14ft		1230		6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2
7.																					
8.																					
9.																					
10.																					

Collected via 5035A

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: [Signature] - WES 12/3/15 1440  
 Received By: Shawn Abusoa ACS 12/4/15 10:15a  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED IN BUSINESS DAYS\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 Organic, Metals & Inorganic Analysis:  10  5  3  2  1  SAVE DAY  
 Fuel & Hydrocarbon Analysis:  5  3  1  SAVE DAY

\*Turnaround request less than standard may incur Rush Charges



July 18, 2016

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On July 1st, 10 samples were received by our laboratory and assigned our laboratory project number EV16070003. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/18/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070003-01
CLIENT SAMPLE ID	MW-26 6.0-6.5ft	DATE RECEIVED:	07/01/2016
		COLLECTION DATE:	6/29/2016 12:00:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	76	10	MG/KG	07/06/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	1.0	10	MG/KG	07/06/2016	PAB
Benzene	EPA-8021	U	0.30	10	MG/KG	07/06/2016	PAB
Toluene	EPA-8021	U	0.50	10	MG/KG	07/06/2016	PAB
Ethylbenzene	EPA-8021	U	0.50	10	MG/KG	07/06/2016	PAB
Xylenes	EPA-8021	U	2.0	10	MG/KG	07/06/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>2400</b>	50	2	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	<b>150</b>	100	2	MG/KG	07/07/2016	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	07/06/2016	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	07/06/2016	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Lead	EPA-6020	<b>32</b>	0.50	5	MG/KG	07/05/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT 10X Dilution	NWTPH-GX	<b>89.5</b>	07/06/2016	PAB
TFT 10X Dilution	EPA-8021	<b>82.8</b>	07/06/2016	PAB
C25 2X Dilution	NWTPH-DX	<b>110</b>	07/07/2016	EBS
1,2-Dichloroethane-d4	EPA-8260	<b>104</b>	07/06/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>108</b>	07/14/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered diesel 1 and lube oil.  
 Gasoline range reporting limit raised due to semivolatile range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-02
<b>CLIENT SAMPLE ID</b>	MW-26 13.5-14.0ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/29/2016 12:10:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	66.9	07/01/2016	PAB
TFT	EPA-8021	86.4	07/01/2016	PAB
C25	NWTPH-DX	88.9	07/07/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-03
<b>CLIENT SAMPLE ID</b>	MW-27 6-6.5ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/29/2016 10:25:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	07/06/2016	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	07/06/2016	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Lead	EPA-6020	1.9	0.50	5	MG/KG	07/05/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	82.0	07/01/2016	PAB
TFT	EPA-8021	99.9	07/01/2016	PAB
C25	NWTPH-DX	95.1	07/07/2016	EBS
1,2-Dichloroethane-d4	EPA-8260	104	07/06/2016	DLC
Terphenyl-d14	EPA-8270 SIM	124	07/14/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-04
<b>CLIENT SAMPLE ID</b>	MW-27 8.5-9.0ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/29/2016 10:33:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	81.3	07/01/2016	PAB
TFT	EPA-8021	97.8	07/01/2016	PAB
C25	NWTPH-DX	89.5	07/07/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-05
<b>CLIENT SAMPLE ID</b>	MW-28 6-6.5ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/29/2016 8:27:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	74.3	07/01/2016	PAB
TFT	EPA-8021	95.3	07/01/2016	PAB
C25	NWTPH-DX	82.8	07/07/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-06
<b>CLIENT SAMPLE ID</b>	MW-28 13-13.5ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/29/2016 8:46:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	07/06/2016	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	07/06/2016	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Lead	EPA-6020	1.6	0.50	5	MG/KG	07/05/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	67.9	07/01/2016	PAB
TFT	EPA-8021	85.6	07/01/2016	PAB
C25	NWTPH-DX	98.5	07/07/2016	EBS
1,2-Dichloroethane-d4	EPA-8260	104	07/06/2016	DLC
Terphenyl-d14	EPA-8270 SIM	128	07/14/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-07
<b>CLIENT SAMPLE ID</b>	MW-29 6-6.5ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/30/2016 8:35:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	71.0	07/01/2016	PAB
TFT	EPA-8021	87.5	07/01/2016	PAB
C25	NWTPH-DX	106	07/07/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-08
<b>CLIENT SAMPLE ID</b>	MW-29 13.5-14.0ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/30/2016 8:54:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/01/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/01/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/01/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/01/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/01/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	07/06/2016	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	07/06/2016	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Lead	EPA-6020	1.8	0.50	5	MG/KG	07/05/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	71.4	07/01/2016	PAB
TFT	EPA-8021	88.6	07/01/2016	PAB
C25	NWTPH-DX	105	07/07/2016	EBS
1,2-Dichloroethane-d4	EPA-8260	99.8	07/06/2016	DLC
Terphenyl-d14	EPA-8270 SIM	89.4	07/14/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-09
<b>CLIENT SAMPLE ID</b>	MW-30 13.5-14.0ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/30/2016 7:40:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/02/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/02/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/02/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/02/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/02/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/02/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	75.4	07/02/2016	PAB
TFT	EPA-8021	95.3	07/02/2016	PAB
C25	NWTPH-DX	88.1	07/07/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/18/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070003-10
<b>CLIENT SAMPLE ID</b>	MW-30 8.5-9.0ft	<b>DATE RECEIVED:</b>	07/01/2016
		<b>COLLECTION DATE:</b>	6/30/2016 7:23:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	3.0	1	MG/KG	07/02/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	0.10	1	MG/KG	07/02/2016	PAB
Benzene	EPA-8021	U	0.030	1	MG/KG	07/02/2016	PAB
Toluene	EPA-8021	U	0.050	1	MG/KG	07/02/2016	PAB
Ethylbenzene	EPA-8021	U	0.050	1	MG/KG	07/02/2016	PAB
Xylenes	EPA-8021	U	0.20	1	MG/KG	07/02/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	25	1	MG/KG	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	50	1	MG/KG	07/07/2016	EBS
1,2-Dichloroethane	EPA-8260	U	10	1	UG/KG	07/06/2016	DLC
1,2-Dibromoethane	EPA-8260	U	5.0	1	UG/KG	07/06/2016	DLC
Naphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Chrysene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[K]Fluoranthene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	20	1	UG/KG	07/14/2016	GAP
Lead	EPA-6020	2.2	0.50	5	MG/KG	07/05/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	72.9	07/02/2016	PAB
TFT	EPA-8021	88.0	07/02/2016	PAB
C25	NWTPH-DX	103	07/07/2016	EBS
1,2-Dichloroethane-d4	EPA-8260	101	07/06/2016	DLC
Terphenyl-d14	EPA-8270 SIM	107	07/14/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/18/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16070003
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MBG-070116S2 - Batch 106045 - Soil by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	MG/KG	3.0	07/01/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070116S2 - Batch 106045 - Soil by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	MG/KG	0.10	07/01/2016	PAB
Benzene	EPA-8021	U	MG/KG	0.030	07/01/2016	PAB
Toluene	EPA-8021	U	MG/KG	0.050	07/01/2016	PAB
Ethylbenzene	EPA-8021	U	MG/KG	0.050	07/01/2016	PAB
Xylenes	EPA-8021	U	MG/KG	0.20	07/01/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070716S - Batch 106081 - Soil by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	MG/KG	25	07/07/2016	EBS
TPH-Oil Range	NWTPH-DX	U	MG/KG	50	07/07/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070516S - Batch 106030 - Soil by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/KG	10	07/05/2016	DLC
1,2-Dichloroethane	EPA-8260	U	UG/KG	10	07/05/2016	DLC
Toluene	EPA-8260	U	UG/KG	10	07/05/2016	DLC
1,2-Dibromoethane	EPA-8260	U	UG/KG	5.0	07/05/2016	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-063016S - Batch 105955 - Soil by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
Benzo[A]Anthracene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
Chrysene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
Benzo[B]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/18/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16070003
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MB-063016S - Batch 105955 - Soil by EPA-8270 SIM**

Benzo[K]Fluoranthene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
Benzo[A]Pyrene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
Indeno[1,2,3-Cd]Pyrene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
Dibenz[A,H]Anthracene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/KG	20	06/30/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-070116S - Batch 105969 - Soil by EPA-6020**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-6020	U	MG/KG	0.10	07/05/2016	RAL

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/18/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16070003
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 106045 - Soil by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	89.7			66.5	122.7	07/01/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	88.1	2		66.5	122.7	07/01/2016	PAB

**ALS Test Batch ID: 106045 - Soil by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Methyl T-Butyl Ether - BS	EPA-8021	85.0			66	116	07/01/2016	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	91.5	7		66	116	07/01/2016	PAB
Benzene - BS	EPA-8021	94.9			67.7	124	07/01/2016	PAB
Benzene - BSD	EPA-8021	103	8		67.7	124	07/01/2016	PAB
Toluene - BS	EPA-8021	95.6			71	123	07/01/2016	PAB
Toluene - BSD	EPA-8021	101	5		71	123	07/01/2016	PAB
Ethylbenzene - BS	EPA-8021	94.5			69.8	117	07/01/2016	PAB
Ethylbenzene - BSD	EPA-8021	97.1	3		69.8	117	07/01/2016	PAB
Xylenes - BS	EPA-8021	94.0			70	119	07/01/2016	PAB
Xylenes - BSD	EPA-8021	96.9	3		70	119	07/01/2016	PAB

**ALS Test Batch ID: 106081 - Soil by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	93.6			75.5	122.1	07/07/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	101	7		75.5	122.1	07/07/2016	EBS

**ALS Test Batch ID: 106030 - Soil by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260	115			73	138	07/05/2016	DLC
1,1-Dichloroethene - BSD	EPA-8260	92.4	22		73	138	07/05/2016	DLC
Toluene - BS	EPA-8260	114			76	134	07/05/2016	DLC
Toluene - BSD	EPA-8260	95.5	18		76	134	07/05/2016	DLC

**ALS Test Batch ID: 105955 - Soil by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	63.7			49.2	140	07/05/2016	GAP
Naphthalene - BS	EPA-8270 SIM	67.6			49.2	140	06/30/2016	GAP
Naphthalene - BSD	EPA-8270 SIM	86.7	25		49.2	140	06/30/2016	GAP
Naphthalene - BSD	EPA-8270 SIM	76.7	19		49.2	140	07/05/2016	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	58.5			40.4	143	07/05/2016	GAP



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE: 7/18/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#: EV16070003
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION: C601

**LABORATORY CONTROL SAMPLE RESULTS**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	58.6			40.4	143	06/30/2016	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	74.5	24		40.4	143	06/30/2016	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	65.6	12		40.4	143	07/05/2016	GAP

**ALS Test Batch ID: 105969 - Soil by EPA-6020**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Lead - BS	EPA-6020	99.1			80	120	07/05/2016	RAL
Lead - BSD	EPA-6020	97.5	2		80	120	07/05/2016	RAL

APPROVED BY

Laboratory Director



ALS Environmental  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

CV16070003

Date 6/30/16 Page 1 Of 1

PROJECT ID: KRIS'S MINI MART		ANALYSIS REQUESTED										OTHER (Specify)													
REPORT TO COMPANY:	PROJECT MANAGER:	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 <input type="checkbox"/> EPA-8260 <input type="checkbox"/>	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 (water)	EDB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/>	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri Pol <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify) <u>Lead (6010)</u>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	8270	8270	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?				
228 E Champion St Ste 101	Harold Cashman																								
Bellingham WA 98225																									
PHONE: 360-752-9571	FAX: 360-752-9573																								
P.O. #: <u>same as above</u>	E-MAIL: <u>h.cashman@whetcon...</u>																								
INVOICE TO COMPANY:	ATTENTION:																								
<u>Colony Chain # 194567</u>																									
ADDRESS:																									
SAMPLE I.D.	DATE	TIME	TYPE	LAB#	1	2	3	4	5	6	7	8	9	10											
1. MW-26	6.0-6.5ft	6/29/16	Soil	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	5				
2. MW-26	13.5-14ft	6/29/16	Soil	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2				
3. MW-27	6-6.5ft	6/29/16	Soil	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	5				
4. MW-27	8.5-10ft	6/29/15	Soil	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2				
5. MW-28	6-6.5ft	6/24/16	Soil	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2				
6. MW-28	13-13.5	6/29/16	Soil	6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	5				
7. MW-29	6-6.5ft	6/30/16	Soil	7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2				
8. MW-29	13.5-14ft	6/30/16	Soil	8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	5				
9. MW-30	13.5-14ft	6/30/16	Soil	9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2				
10. MW-30	8.5-9ft	6/30/16	Soil	10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	5				

SPECIAL INSTRUCTIONS Samples were collected by Method 5035A.

SIGNATURES (Name, Company, Date, Title):  
 1. Relinquished By: [Signature], WES, 6/30/16, 1145

Received By: \_\_\_\_\_  
 2. Relinquished By: Shawn Robinson AW 7/1/16 10:00a

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis:  1  2  3  5  10  
 Fuels & Hydrocarbon Analysis:  1  2  3  5  10  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges

## **APPENDIX E**

Groundwater Laboratory Analytical Data Reports



September 14, 2012

Mr. Thom Davis  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Davis,

On September 11th, 6 samples were received by our laboratory and assigned our laboratory project number EV12090041. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/14/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090041
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-01
CLIENT SAMPLE ID	GPB-1	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 10:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	09/11/2012	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	09/11/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	93.5	09/12/2012	DLC
TFT	EPA-8021	101	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260 SIM	108	09/11/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/14/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090041
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-02
CLIENT SAMPLE ID	GPB-2	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 10:30:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	09/11/2012	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	09/11/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	107	09/12/2012	DLC
TFT	EPA-8021	115	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260 SIM	110	09/11/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/14/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090041
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	GPB-3	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 11:00:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	09/11/2012	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	09/11/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	93.0	09/12/2012	DLC
TFT	EPA-8021	101	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260 SIM	112	09/11/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/14/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090041
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-04
CLIENT SAMPLE ID	GPB-4	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 11:45:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>7000</b>	250	5	UG/L	09/13/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
Benzene	EPA-8021	<b>4.8</b>	1.0	1	UG/L	09/12/2012	DLC
Toluene	EPA-8021	<b>13</b>	1.0	1	UG/L	09/12/2012	DLC
Ethylbenzene	EPA-8021	<b>14</b>	1.0	1	UG/L	09/12/2012	DLC
Xylenes	EPA-8021	<b>49</b>	3.0	1	UG/L	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	09/11/2012	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	09/11/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	<b>127</b>	09/13/2012	DLC
TFT	EPA-8021	<b>157 GS2</b>	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>82.4</b>	09/11/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS2 - Surrogate outside of control limits due to dilution.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/14/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090041
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	GPB-5	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 12:55:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>6900</b>	250	5	UG/L	09/13/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Toluene	EPA-8021	<b>3.3</b>	1.0	1	UG/L	09/12/2012	DLC
Ethylbenzene	EPA-8021	<b>4.0</b>	1.0	1	UG/L	09/12/2012	DLC
Xylenes	EPA-8021	<b>5.3</b>	3.0	1	UG/L	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	09/11/2012	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	09/11/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	<b>153</b>	09/13/2012	DLC
TFT	EPA-8021	<b>177 GS2</b>	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>86.2</b>	09/11/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS2 - Surrogate outside of control limits due to dilution.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/14/2012
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV12090041
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-06
CLIENT SAMPLE ID	GPB-6	DATE RECEIVED:	9/11/2012
		COLLECTION DATE:	9/10/2012 1:50:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/12/2012	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/12/2012	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/12/2012	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	09/11/2012	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	09/11/2012	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	97.2	09/12/2012	DLC
TFT	EPA-8021	102	09/12/2012	DLC
1,2-Dichloroethane-d4	EPA-8260 SIM	91.1	09/11/2012	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

**CLIENT:** Whatcom Environmental Svcs., Inc. **DATE:** 9/14/2012  
 228 E. Champion St., Suite 101 **ALS SDG#:** EV12090041  
 Bellingham, WA 98225 **WDOE ACCREDITATION:** C601  
**CLIENT CONTACT:** Thom Davis  
**CLIENT PROJECT:** Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-091112W - Batch 3068 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/11/2012	DLC

**MB-091112W - Batch 3068 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/11/2012	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	09/11/2012	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	09/11/2012	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/11/2012	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	09/11/2012	DLC

**MB-091112W - Batch 3058 - Water by EPA-8260 SIM**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260 SIM	U	0.020	1	UG/L	09/11/2012	GAP
1,2-Dichloroethane	EPA-8260 SIM	U	0.10	1	UG/L	09/11/2012	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	09/11/2012	GAP



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 9/14/2012  
 228 E. Champion St., Suite 101 ALS SDG#: EV12090041  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 3068 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	66.2			09/12/2012	DLC
TPH-Volatile Range - BSD	NWTPH-GX	68.0	3		09/12/2012	DLC

**ALS Test Batch ID: 3068 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	99.9			09/12/2012	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	106	6		09/12/2012	DLC
Benzene - BS	EPA-8021	99.6			09/12/2012	DLC
Benzene - BSD	EPA-8021	105	5		09/12/2012	DLC
Toluene - BS	EPA-8021	96.9			09/12/2012	DLC
Toluene - BSD	EPA-8021	103	6		09/12/2012	DLC
Ethylbenzene - BS	EPA-8021	95.3			09/12/2012	DLC
Ethylbenzene - BSD	EPA-8021	101	6		09/12/2012	DLC
Xylenes - BS	EPA-8021	96.7			09/12/2012	DLC
Xylenes - BSD	EPA-8021	103	6		09/12/2012	DLC

**ALS Test Batch ID: 3058 - Water by EPA-8260 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260 SIM	93.2			09/11/2012	GAP
1,1-Dichloroethene - BSD	EPA-8260 SIM	89.4	4		09/11/2012	GAP

APPROVED BY

Laboratory Director



ALS Environmental  
8620 Holly Drive, Suite 100  
Everett, WA 98208  
Phone (425) 356-2600  
(425) 356-2626 Fax  
http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV12090041

Date 9/10/12 Page 1 Of 1

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: PO. NUMBER: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED										OTHER (Specify)							
	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTRB by EPA-8021	☐ EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB ☐ Pesticides ☐ by EPA 8081/8082	Metals-MTCA-5 ☐ RCRA-8 ☐ P1 Pol ☐ TAL ☐	Metals Other (Specify)	TCLP-Metals ☐ VOA ☐ Semi-Vol ☐ Pest ☐ Herbs ☐	RECEIVED IN GOOD CONDITION?	
PROJECT ID: Kris' Mini Mart																		
REPORT TO COMPANY: Whatcom Env. Svcs																		
PROJECT MANAGER: Thom - Harold																		
ADDRESS: 228 E. Champion #401 Shaw, WA 98225																		
PHONE: 752-9573																		
PO. NUMBER:																		
INVOICE TO COMPANY: Colony Insurance																		
ATTENTION: % Carol Lyhear																		
ADDRESS: Claim #: 194567																		
SAMPLE I.D.	DATE	TIME	TYPE	LAB#														
1. GPB-1	9/10/12	1015	water	1	X	X	X	X	X	X	X	X	X	X	X	X	X	5
2. GPB-2	}	1030	}	2	X	X	X	X	X	X	X	X	X	X	X	X	X	5
3. GPB-3		1100		3	X	X	X	X	X	X	X	X	X	X	X	X	X	X
4. GPB-4	}	1145	}	4	X	X	X	X	X	X	X	X	X	X	X	X	X	5
5. GPB-5		1255		5	X	X	X	X	X	X	X	X	X	X	X	X	X	X
6. GPB-6		1350		6	X	X	X	X	X	X	X	X	X	X	X	X	X	5
7.																		
8.																		
9.																		
10.																		

SPECIAL INSTRUCTIONS Hold 1/2L Amber from GPB-5 for Later Analysis pending Initial GX results

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: WES on 9/10/12 @ 1540  
 Received By: \_\_\_\_\_  
 2. Relinquished By: \_\_\_\_\_  
 Received By: Shawn Robinson ALS 9/11/12 10:10

TURNAROUND REQUESTED IN BUSINESS DAYS\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 Organic, Metals & Inorganic Analysis  
 10 5 3 2 1 SAME DAY  
 Fuels & Hydrocarbon Analysis  
 5 3 1 SAME DAY

\* Turnaround request less than standard may incur Rush Charges





June 3, 2013

Mr. Thom Davis  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Davis,

On May 24th, 18 samples were received by our laboratory and assigned our laboratory project number EV13050149. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc.  
 228 E. Champion St., Suite 101  
 Bellingham, WA 98225

DATE: 6/3/2013  
 ALS JOB#: EV13050149  
 ALS SAMPLE#: -01  
 DATE RECEIVED: 5/24/2013  
 COLLECTION DATE: 5/22/2013 11:00:00 AM  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
 CLIENT PROJECT: Kris' Mini Mart  
 CLIENT SAMPLE ID: MW-8

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>6100</b>	250	5	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/28/2013	DLC
Benzene	EPA-8021	<b>43</b>	1.0	1	UG/L	05/28/2013	DLC
Toluene	EPA-8021	<b>6.4</b>	1.0	1	UG/L	05/28/2013	DLC
Ethylbenzene	EPA-8021	<b>5.9</b>	1.0	1	UG/L	05/28/2013	DLC
Xylenes	EPA-8021	<b>16</b>	3.0	1	UG/L	05/28/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	<b>113</b>	05/29/2013	DLC
TFT	EPA-8021	<b>189 GS3</b>	05/28/2013	DLC
C25	NWTPH-DX	<b>87.4</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>97.4</b>	06/01/2013	GAP

GS3 - Surrogate outside of control limits due to coeluting compounds.  
 U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-02
CLIENT SAMPLE ID	MW-9	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 12:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>4000</b>	250	5	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	<b>40</b>	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	<b>5.9</b>	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	<b>9.7</b>	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	<b>49</b>	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	<b>110</b>	05/29/2013	DLC
TFT	EPA-8021	<b>169 GS3</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>89.3</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>97.6</b>	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS3 - Surrogate outside of control limits due to coeluting compounds.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	MW-10	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 1:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>12000</b>	500	10	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	<b>3.9</b>	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	<b>1200</b>	10	10	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	<b>180</b>	10	10	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	<b>1600</b>	30	10	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	<b>98.5</b>	05/29/2013	DLC
TFT	EPA-8021	<b>131</b>	05/29/2013	DLC
TFT 10X Dilution	EPA-8021	<b>106</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>89.7</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>97.6</b>	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-04
CLIENT SAMPLE ID	MW-11	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 2:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>41000</b>	1200	25	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	30	10	UG/L	05/29/2013	DLC
Benzene	EPA-8021	<b>18</b>	10	10	UG/L	05/29/2013	DLC
Toluene	EPA-8021	<b>2400</b>	25	25	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	<b>740</b>	10	10	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	<b>7300</b>	75	25	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	2500	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 25X Dilution	NWTPH-GX	<b>92.1</b>	05/29/2013	DLC
TFT 10X Dilution	EPA-8021	<b>112</b>	05/29/2013	DLC
TFT 25X Dilution	EPA-8021	<b>109</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>91.8</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>98.0</b>	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	MW-12	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 3:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>31000</b>	1200	25	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	75	25	UG/L	05/29/2013	DLC
Benzene	EPA-8021	<b>120</b>	25	25	UG/L	05/29/2013	DLC
Toluene	EPA-8021	<b>880</b>	25	25	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	<b>290</b>	25	25	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	<b>5900</b>	75	25	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	2500	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/30/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 25X Dilution	NWTPH-GX	<b>95.4</b>	05/29/2013	DLC
TFT 25X Dilution	EPA-8021	<b>104</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>88.4</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>94.7</b>	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-06
CLIENT SAMPLE ID	MW-13	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 4:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>2000</b>	50	1	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	<b>8.3</b>	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	<b>6.8</b>	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	<b>38</b>	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	<b>200</b>	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>87.6</b>	05/29/2013	DLC
TFT	EPA-8021	<b>103</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>89.1</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>95.9</b>	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-07
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 5:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>460</b>	50	1	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	<b>6.9</b>	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>1000</b>	130	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>92.5</b>	05/29/2013	DLC
TFT	EPA-8021	<b>105</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>89.9</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>97.9</b>	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel 1.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-08
CLIENT SAMPLE ID	MW-15	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 6:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>480</b>	50	1	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	<b>6.8</b>	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>890</b>	130	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>110</b>	05/29/2013	DLC
TFT	EPA-8021	<b>114</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>86.8</b>	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>98.2</b>	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel 1.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-09
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 5:30:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	06/01/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	06/01/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	91.0	05/29/2013	DLC
TFT	EPA-8021	102	05/29/2013	DLC
C25	NWTPH-DX	88.0	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	98.6	06/01/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-10
CLIENT SAMPLE ID	MW-1	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 1:10:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	71.9	05/29/2013	DLC
TFT	EPA-8021	84.5	05/29/2013	DLC
C25	NWTPH-DX	87.1	05/28/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-11
CLIENT SAMPLE ID	MW-2	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 1:30:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>320</b>	130	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	<b>320</b>	250	1	UG/L	05/28/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>84.6</b>	05/29/2013	DLC
TFT	EPA-8021	<b>98.3</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>91.2</b>	05/28/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-12
CLIENT SAMPLE ID	MW-3	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 11:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/29/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/29/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>1000</b>	130	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/28/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>85.3</b>	05/29/2013	DLC
TFT	EPA-8021	<b>97.7</b>	05/29/2013	DLC
C25	NWTPH-DX	<b>92.7</b>	05/28/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-13
CLIENT SAMPLE ID	MW-4	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 10:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/30/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	05/29/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/29/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	99.1	05/30/2013	DLC
TFT	EPA-8021	102	05/30/2013	DLC
C25	NWTPH-DX	90.5	05/29/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-14
CLIENT SAMPLE ID	MW-5	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 9:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/30/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	05/29/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/29/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	82.7	05/30/2013	DLC
TFT	EPA-8021	94.5	05/30/2013	DLC
C25	NWTPH-DX	93.7	05/29/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-15
CLIENT SAMPLE ID	MW-6	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 12:30:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/30/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>7800</b>	130	1	UG/L	05/29/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/29/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>87.6</b>	05/30/2013	DLC
TFT	EPA-8021	<b>101</b>	05/30/2013	DLC
C25	NWTPH-DX	<b>87.9</b>	05/29/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains an unidentified diesel range product.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-16
CLIENT SAMPLE ID	MW-7	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 12:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	460	50	1	UG/L	05/30/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
Benzene	EPA-8021	3.3	1.0	1	UG/L	05/30/2013	DLC
Toluene	EPA-8021	69	1.0	1	UG/L	05/30/2013	DLC
Ethylbenzene	EPA-8021	1.7	1.0	1	UG/L	05/30/2013	DLC
Xylenes	EPA-8021	60	3.0	1	UG/L	05/30/2013	DLC
TPH-Diesel Range	NWTPH-DX	510	130	1	UG/L	05/29/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/29/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	94.2	05/30/2013	DLC
TFT	EPA-8021	101	05/30/2013	DLC
C25	NWTPH-DX	87.8	05/29/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lightly weathered gasoline and weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-17
CLIENT SAMPLE ID	MW-17	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 12:15:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	530	50	1	UG/L	05/30/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
Benzene	EPA-8021	3.8	1.0	1	UG/L	05/30/2013	DLC
Toluene	EPA-8021	79	1.0	1	UG/L	05/30/2013	DLC
Ethylbenzene	EPA-8021	1.9	1.0	1	UG/L	05/30/2013	DLC
Xylenes	EPA-8021	72	3.0	1	UG/L	05/30/2013	DLC
TPH-Diesel Range	NWTPH-DX	490	130	1	UG/L	05/29/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/29/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	82.9	05/30/2013	DLC
TFT	EPA-8021	97.3	05/30/2013	DLC
C25	NWTPH-DX	92.4	05/29/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lightly weathered gasoline and weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	6/3/2013
<b>CLIENT CONTACT:</b>	Thom Davis	<b>ALS JOB#:</b>	EV13050149
<b>CLIENT PROJECT:</b>	Kris' Mini Mart	<b>ALS SAMPLE#:</b>	-18
<b>CLIENT SAMPLE ID</b>	MW-18	<b>DATE RECEIVED:</b>	5/24/2013
		<b>COLLECTION DATE:</b>	5/23/2013 2:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/30/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/30/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/30/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	05/29/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/29/2013	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>79.5</b>	05/30/2013	DLC
TFT	EPA-8021	<b>93.5</b>	05/30/2013	DLC
C25	NWTPH-DX	<b>89.4</b>	05/29/2013	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 6/3/2013  
 228 E. Champion St., Suite 101 ALS SDG#: EV13050149  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Thom Davis  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-052813W2 - Batch 3777 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	05/28/2013	DLC

**MB-052813W2 - Batch 3777 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	05/28/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	05/28/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	05/28/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	05/28/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	05/28/2013	DLC

**MB-052813W2 - Batch 3778 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	05/29/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	05/29/2013	EBS

**MB-060113W - Batch 3783 - Water by EPA-8260 SIM**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260 SIM	U	0.020	1	UG/L	05/31/2013	GAP
1,2-Dichloroethane	EPA-8260 SIM	U	0.10	1	UG/L	05/31/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	05/31/2013	GAP

**MB-052813W - Batch 3772 - Water by EPA-200.8**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	05/29/2013	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS SDG#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 3777 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	71.9			05/28/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	70.2	2		05/28/2013	DLC

**ALS Test Batch ID: 3777 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	102			05/28/2013	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	106	4		05/28/2013	DLC
Benzene - BS	EPA-8021	99.6			05/28/2013	DLC
Benzene - BSD	EPA-8021	106	6		05/28/2013	DLC
Toluene - BS	EPA-8021	97.6			05/28/2013	DLC
Toluene - BSD	EPA-8021	104	7		05/28/2013	DLC
Ethylbenzene - BS	EPA-8021	95.5			05/28/2013	DLC
Ethylbenzene - BSD	EPA-8021	101	6		05/28/2013	DLC
Xylenes - BS	EPA-8021	98.1			05/28/2013	DLC
Xylenes - BSD	EPA-8021	104	5		05/28/2013	DLC

**ALS Test Batch ID: 3778 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	89.3			05/29/2013	EBS
TPH-Diesel Range - BSD	NWTPH-DX	90.5	1		05/29/2013	EBS

**ALS Test Batch ID: 3783 - Water by EPA-8260 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260 SIM	106			05/31/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260 SIM	87.0	19		05/31/2013	GAP

**ALS Test Batch ID: 3772 - Water by EPA-200.8**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead (Dissolved) - BS	EPA-200.8	92.0			05/29/2013	RAL
Lead (Dissolved) - BSD	EPA-200.8	93.7	2		05/29/2013	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 (425) 356-2626 Fax  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

**EVI3050149**

Date **5/23/13** Page **1** of **2**

PROJECT ID: **Kris Mini Want**  
 REPORT TO COMPANY: **Whitcomb Env. Svcs.**  
 PROJECT MANAGER: **TDon**  
 ADDRESS: **228 E Champion #101**  
**B'ham, WA 98225**  
 PHONE: **752-9573**  
 FAX: **752-9573**  
 E-MAIL: **tdavis@whitcomb.com**  
 INVOICE TO COMPANY: **Colony Insurance**  
 ATTENTION: **% Matt Miller @ Antea**  
 ADDRESS: **Claim #: 194567**

ANALYSIS REQUESTED		OTHER (Specify)	
NWTPH-HCID	<input checked="" type="checkbox"/>	TC-P-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	
NWTPH-DX	<input checked="" type="checkbox"/>	Metals Other (Specify) <b>Lead (Pb) Diss.</b>	
NWTPH-GX	<input checked="" type="checkbox"/>	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> P4 Pol <input type="checkbox"/> TAL <input type="checkbox"/>	
BTEX by EPA-8021	<input checked="" type="checkbox"/>	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082	
MTBE by EPA-8261 <input checked="" type="checkbox"/> EPA-8260 <input type="checkbox"/>	<input checked="" type="checkbox"/>	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/>	
Halogenated Volatiles by EPA 8260	<input checked="" type="checkbox"/>	Semivolatile Organic Compounds by EPA 8270	
Volatile Organic Compounds by EPA 8260	<input checked="" type="checkbox"/>	EDB / EDC by EPA 8260 (soil)	
EDB / EDC by EPA 8260 SIM (water)	<input checked="" type="checkbox"/>	EDB / EDC by EPA 8260 (water)	
EDB / EDC by EPA 8260 (soil)	<input checked="" type="checkbox"/>		
Semivolatile Organic Compounds by EPA 8270	<input checked="" type="checkbox"/>		
Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	<input checked="" type="checkbox"/>		
PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082	<input checked="" type="checkbox"/>		
Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> P4 Pol <input type="checkbox"/> TAL <input type="checkbox"/>	<input checked="" type="checkbox"/>		
Metals Other (Specify)	<input checked="" type="checkbox"/>		
TC-P-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	<input checked="" type="checkbox"/>		

SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. MW-8	5/22/13	1100	water	1
2. MW-9		1200	}	2
3. MW-10		1300		3
4. MW-11		1400		4
5. MW-12		1500	}	5
6. MW-13		1600		6
7. MW-14		1700		7
8. MW-15		1800	}	8
9. MW-16		1730		9

SPECIAL INSTRUCTIONS **Metals Samples Field Filtered into pre-rinsed Bottles** → **Do Not Analyze for Pb**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: **WES 5/23/13 @ 1530**  
 Received By: \_\_\_\_\_  
 2. Relinquished By: **Shawn Roberson** **ALS 5/24/13 4:45**  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER:  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 10  5  3  2  1 SAME DAY

Fuels & Hydrocarbon Analysis  
 5  3  1 SAME DAY

\* Turnaround request less than standard may incur Rush Charges



PROJECT ID: Kris' Mini Mart

REPORT TO COMPANY: Whitton Env. Svs.

PROJECT MANAGER: Tom

ADDRESS: 228 E. Champion #101

15' Hwy WA 98225

PHONE: 752-9571

FAX: ---

PO. NUMBER: --- E-MAIL: tlavis@---

INVOICE TO COMPANY: Colony Insurance

ATTENTION:

ADDRESS: Claim#: 194567

	SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1.	MW-1	<u>5/23/13</u>	<u>1:10p</u>	<u>water</u>	<u>10</u>
2.	MW-2		<u>1330</u>		<u>11</u>
3.	MW-3		<u>1115</u>		<u>12</u>
4.	MW-4		<u>1015</u>		<u>13</u>
5.	MW-5		<u>915</u>		<u>14</u>
6.	MW-6		<u>1230</u>		<u>15</u>
7.	MW-7		<u>1200</u>		<u>16</u>
8.	MW-17		<u>1215</u>		<u>17</u>
9.	MW-18		<u>1400</u>	<u>↓</u>	<u>18</u>
10.					

ANALYSIS REQUESTED

	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB	Pesticides	by EPA 8081/8082	Metals-MTCA-5	RCA-8	Pn Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs
	X	X	X	X	X	<input checked="" type="checkbox"/>	<input type="checkbox"/>																		
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				
	X	X	X	X	X																				

RECEIVED IN GOOD CONDITION?

NUMBER OF CONTAINERS

OTHER (Specify)

EV13050149

Date 5/23/13 Page 2 of 2

Chain Of Custody/  
Laboratory Analysis Request

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time): [Signature] WES 5/23/13 @ 1530

1. Relinquished By: [Signature]

2. Relinquished By: [Signature]

Received By: Shawn Robson ALS 5/24/13 4:45

TURNAROUND REQUESTED in Business Days\*  
Organic, Metals & Inorganic Analysis  
OTHER:

Specify: \_\_\_\_\_

10 Standard 5 3 2 1 SAME DAY  
Fuels & Hydrocarbon Analysis 5 3 1 SAME DAY

TURNAROUND REQUESTED in Business Days\*





August 30, 2013

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On August 14th, 9 samples were received by our laboratory and assigned our laboratory project number EV13080077. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc.  
 228 E. Champion St., Suite 101  
 Bellingham, WA 98225

DATE: 8/30/2013  
 ALS JOB#: EV13080077  
 ALS SAMPLE#: -01  
 DATE RECEIVED: 8/14/2013  
 COLLECTION DATE: 8/12/2013 1:25:00 PM  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris' Mini Mart  
 CLIENT SAMPLE ID: MW-8

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	990	50	1	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
Benzene	EPA-8021	2.5	1.0	1	UG/L	08/16/2013	DLC
Toluene	EPA-8021	2.6	1.0	1	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	2.3	1.0	1	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	3.7	3.0	1	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	107	08/16/2013	DLC
TFT	EPA-8021	106	08/16/2013	DLC
C25	NWTPH-DX	96.1	08/15/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	99.1	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-02
CLIENT SAMPLE ID	MW-9	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/12/2013 2:15:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>3500</b>	100	2	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
Benzene	EPA-8021	<b>22</b>	1.0	1	UG/L	08/16/2013	DLC
Toluene	EPA-8021	<b>2.4</b>	1.0	1	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	<b>8.7</b>	1.0	1	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	<b>57</b>	3.0	1	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	<b>128</b>	08/16/2013	DLC
TFT	EPA-8021	<b>116</b>	08/16/2013	DLC
C25	NWTPH-DX	<b>98.0</b>	08/15/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>99.7</b>	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	MW-10	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/12/2013 3:10:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	2400	100	2	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	6.0	2	UG/L	08/16/2013	DLC
Benzene	EPA-8021	6.9	2.0	2	UG/L	08/16/2013	DLC
Toluene	EPA-8021	130	2.0	2	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	38	2.0	2	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	290	6.0	2	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	08/15/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 2X Dilution	NWTPH-GX	113	08/16/2013	DLC
TFT 2X Dilution	EPA-8021	111	08/16/2013	DLC
C25	NWTPH-DX	98.0	08/15/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	100	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-04
CLIENT SAMPLE ID	MW-11	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/12/2013 3:50:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>39000</b>	1200	25	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	75	25	UG/L	08/16/2013	DLC
Benzene	EPA-8021	<b>66</b>	25	25	UG/L	08/16/2013	DLC
Toluene	EPA-8021	<b>2100</b>	25	25	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	<b>910</b>	25	25	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	<b>7200</b>	75	25	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	630	1	UG/L	08/15/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 25X Dilution	NWTPH-GX	<b>121</b>	08/16/2013	DLC
TFT 25X Dilution	EPA-8021	<b>106</b>	08/16/2013	DLC
C25	NWTPH-DX	<b>98.3</b>	08/15/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>101</b>	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	MW-12	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/13/2013 10:10:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>41000</b>	2500	50	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	150	50	UG/L	08/16/2013	DLC
Benzene	EPA-8021	U	50	50	UG/L	08/16/2013	DLC
Toluene	EPA-8021	<b>1000</b>	50	50	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	<b>400</b>	50	50	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	<b>8400</b>	150	50	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	1300	1	UG/L	08/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/19/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	<b>104</b>	08/16/2013	DLC
TFT 50X Dilution	EPA-8021	<b>102</b>	08/16/2013	DLC
C25	NWTPH-DX	<b>92.8</b>	08/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>101</b>	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-06
CLIENT SAMPLE ID	MW-13	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/13/2013 12:50:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>65</b>	50	1	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	<b>8.8</b>	3.0	1	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	08/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/19/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>109</b>	08/16/2013	DLC
TFT	EPA-8021	<b>113</b>	08/16/2013	DLC
C25	NWTPH-DX	<b>91.0</b>	08/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>102</b>	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-07
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/13/2013 1:45:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	<b>2.0</b>	1.0	1	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>280</b>	130	1	UG/L	08/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/19/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>113</b>	08/16/2013	DLC
TFT	EPA-8021	<b>116</b>	08/16/2013	DLC
C25	NWTPH-DX	<b>90.3</b>	08/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>103</b>	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-08
CLIENT SAMPLE ID	MW-15	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/13/2013 10:30:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>37000</b>	1200	25	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	75	25	UG/L	08/16/2013	DLC
Benzene	EPA-8021	U	25	25	UG/L	08/16/2013	DLC
Toluene	EPA-8021	<b>880</b>	25	25	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	<b>340</b>	25	25	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	<b>7500</b>	75	25	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	630	1	UG/L	08/15/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 25X Dilution	NWTPH-GX	<b>102</b>	08/16/2013	DLC
TFT 25X Dilution	EPA-8021	<b>100</b>	08/16/2013	DLC
C25	NWTPH-DX	<b>104</b>	08/15/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>101</b>	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.  
 Diesel range product reporting limits raised due to volatile range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-09
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/13/2013 11:30:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	08/16/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	08/15/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/15/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	08/16/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/16/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	114	08/16/2013	DLC
TFT	EPA-8021	114	08/16/2013	DLC
C25	NWTPH-DX	98.7	08/15/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	101	08/16/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 8/30/2013  
 228 E. Champion St., Suite 101 ALS SDG#: EV13080077  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-081513W2 - Batch 6716 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	08/16/2013	DLC

**MB-081513W2 - Batch 6716 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	08/16/2013	DLC

**MB-081513W - Batch 6751 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	08/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/19/2013	EBS

**MB-081513W2 - Batch 6700 - Water by EPA-8260 SIM**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260 SIM	U	0.020	1	UG/L	08/15/2013	GAP
1,2-Dichloroethane	EPA-8260 SIM	U	0.10	1	UG/L	08/15/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	08/15/2013	GAP

**MB-081613W - Batch 6757 - Water by EPA-200.8**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Lead	EPA-200.8	U	1.0	1	UG/L	08/19/2013	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	8/30/2013
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV13080077
CLIENT PROJECT:	Kris' Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 6716 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	59.6			08/16/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	60.2	1		08/16/2013	DLC

**ALS Test Batch ID: 6716 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	95.6			08/16/2013	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	96.7	1		08/16/2013	DLC
Benzene - BS	EPA-8021	97.0			08/16/2013	DLC
Benzene - BSD	EPA-8021	99.3	2		08/16/2013	DLC
Toluene - BS	EPA-8021	96.7			08/16/2013	DLC
Toluene - BSD	EPA-8021	98.6	2		08/16/2013	DLC
Ethylbenzene - BS	EPA-8021	95.4			08/16/2013	DLC
Ethylbenzene - BSD	EPA-8021	98.5	3		08/16/2013	DLC
Xylenes - BS	EPA-8021	99.5			08/16/2013	DLC
Xylenes - BSD	EPA-8021	102	3		08/16/2013	DLC

**ALS Test Batch ID: 6751 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	78.4			08/19/2013	EBS
TPH-Diesel Range - BSD	NWTPH-DX	78.1	0		08/19/2013	EBS

**ALS Test Batch ID: 6700 - Water by EPA-8260 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260 SIM	103			08/16/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260 SIM	109	6		08/16/2013	GAP

**ALS Test Batch ID: 6757 - Water by EPA-200.8**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-200.8	94.1			08/19/2013	RAL
Lead - BSD	EPA-200.8	98.5	5		08/19/2013	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director

**Chain Of Custody/  
 Laboratory Analysis Request**

ALS Job# (Laboratory Use Only)

EV13080077

Date 8-13-13 Page 1 Of 1

PROJECT ID: KRIS' MINI MART  
 REPORT TO COMPANY: WHATCOM ENVIRONMENTAL TO SERVICES  
 PROJECT MANAGER: HAROLD GISHMAN  
 ADDRESS: 228 E. CAMPION ST #101  
 BELLEVUE, WA 98225  
 PHONE: (360) 752-9571 FAX:  
 RO. #: 45CASHWUENHATCOM2UW1E...  
 INVOICE TO COMPANY: COUNTY INSURANCE  
 ATTENTION: MATT MILLER (AUTRA)  
 ADDRESS: CLAIM # 194567

ANALYSIS REQUESTED	OTHER (Specify)	
	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
NWTPH-HCID	X	
NWTPH-DX	X	
NWTPH-GX	X	
BTEX by EPA-8021	X	
MTBE by EPA-8021 <input checked="" type="checkbox"/> EPA-8260	X	
Halogenated Volatiles by EPA 8260	X	
Volatile Organic Compounds by EPA 8260	X	
EDB / EDC by EPA 8260 SIM (water)	X	
EDB / EDC by EPA 8260 (soil)		
Semivolatile Organic Compounds by EPA 8270		
Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM		
PCB Pesticides <input type="checkbox"/> by EPA 8081/8082		
Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PFI Pol <input type="checkbox"/> TAL <input type="checkbox"/>		
Metals Other (Specify) Lead (Pb)	X	
TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>		

SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. MW-8	8-12-13	1:25	WATER	1
2. MW-9	8-12-13	2:15	}	2
3. MW-10	8-12-13	3:10		3
4. MW-11	8-12-13	3:50		4
5. MW-12	8-13-13	10:10		5
6. MW-13	8-13-13	12:50 <del>12:45</del>		6
7. MW-14	8-13-13	1:45		7
8. MW-15	8-13-13	10:30		8
9. MW-16	8-13-13	11:30		9
10.				

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: *Shawn Robinson*, WES, 8/14/13, 9:30  
 Received By: *Shawn Robinson* ALS 8/14/13

TURNAROUND REQUESTED in Business Days\*  
 OTHER:  
 Specify:  SAME DAY  1  2  3  5  1  1  
 Fuels & Hydrocarbon Analysis

\* Turnaround request less than standard may incur Rush Charges



November 27, 2013

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On November 15th, 9 samples were received by our laboratory and assigned our laboratory project number EV13110099. The project was identified as your Kris' Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc.  
 228 E. Champion St., Suite 101  
 Bellingham, WA 98225

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris' Mini Mart  
 CLIENT SAMPLE ID: MW-8

DATE: 11/27/2013  
 ALS JOB#: EV13110099  
 ALS SAMPLE#: -01  
 DATE RECEIVED: 11/15/2013  
 COLLECTION DATE: 11/14/2013 11:55:00 AM  
 WDOE ACCREDITATION: C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	960	50	1	UG/L	11/18/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Toluene	EPA-8021	2.2	1.0	1	UG/L	11/18/2013	DLC
Ethylbenzene	EPA-8021	1.6	1.0	1	UG/L	11/18/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
TPH-Diesel Range	NWTPH-DX	250	130	1	UG/L	11/20/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/20/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	106	11/18/2013	DLC
TFT	EPA-8021	119	11/18/2013	DLC
C25	NWTPH-DX	103	11/20/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	105	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-02
CLIENT SAMPLE ID	MW-9	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 12:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>1000</b>	50	1	UG/L	11/18/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
Benzene	EPA-8021	<b>6.3 F3</b>	1.0	1	UG/L	11/18/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	11/20/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/20/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>140</b>	11/18/2013	DLC
TFT	EPA-8021	<b>158 GS3</b>	11/18/2013	DLC
C25	NWTPH-DX	<b>100</b>	11/20/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>105</b>	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS3 - Surrogate outside of control limits due to coeluting compounds.  
 F3 - Analyte results biased high due to coeluting compound.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	MW-10	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 11:50:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	690	50	1	UG/L	11/18/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
Benzene	EPA-8021	1.7	1.0	1	UG/L	11/18/2013	DLC
Toluene	EPA-8021	87	1.0	1	UG/L	11/18/2013	DLC
Ethylbenzene	EPA-8021	5.1	1.0	1	UG/L	11/18/2013	DLC
Xylenes	EPA-8021	78	3.0	1	UG/L	11/18/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	11/20/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/20/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	96.7	11/18/2013	DLC
TFT	EPA-8021	104	11/18/2013	DLC
C25	NWTPH-DX	93.8	11/20/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	106	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains lightly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-04
CLIENT SAMPLE ID	MW-11	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 12:45:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>20000</b>	1000	20	UG/L	11/19/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	60	20	UG/L	11/19/2013	DLC
Benzene	EPA-8021	U	20	20	UG/L	11/19/2013	DLC
Toluene	EPA-8021	<b>1300</b>	20	20	UG/L	11/19/2013	DLC
Ethylbenzene	EPA-8021	<b>430</b>	20	20	UG/L	11/19/2013	DLC
Xylenes	EPA-8021	<b>4200</b>	60	20	UG/L	11/19/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>1500</b>	130	1	UG/L	11/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/19/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	<b>106</b>	11/19/2013	DLC
TFT 20X Dilution	EPA-8021	<b>114</b>	11/19/2013	DLC
C25	NWTPH-DX	<b>96.7</b>	11/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>108</b>	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	MW-12	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 1:45:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>14000</b>	500	10	UG/L	11/19/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	30	10	UG/L	11/19/2013	DLC
Benzene	EPA-8021	U	10	10	UG/L	11/19/2013	DLC
Toluene	EPA-8021	<b>220</b>	10	10	UG/L	11/19/2013	DLC
Ethylbenzene	EPA-8021	<b>110</b>	10	10	UG/L	11/19/2013	DLC
Xylenes	EPA-8021	<b>2800</b>	30	10	UG/L	11/19/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>2500</b>	130	1	UG/L	11/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/19/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	<b>100</b>	11/19/2013	DLC
TFT 10X Dilution	EPA-8021	<b>106</b>	11/19/2013	DLC
C25	NWTPH-DX	<b>100</b>	11/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>106</b>	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-06
CLIENT SAMPLE ID	MW-13	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 1:25:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>3100</b>	250	5	UG/L	11/19/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	15	5	UG/L	11/19/2013	DLC
Benzene	EPA-8021	U	5.0	5	UG/L	11/19/2013	DLC
Toluene	EPA-8021	<b>57</b>	5.0	5	UG/L	11/19/2013	DLC
Ethylbenzene	EPA-8021	<b>48</b>	5.0	5	UG/L	11/19/2013	DLC
Xylenes	EPA-8021	<b>700</b>	15	5	UG/L	11/19/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>320</b>	130	1	UG/L	11/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/19/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	<b>109</b>	11/19/2013	DLC
TFT 5X Dilution	EPA-8021	<b>112</b>	11/19/2013	DLC
C25	NWTPH-DX	<b>103</b>	11/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>105</b>	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-07
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 2:15:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	11/19/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	11/19/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	11/19/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	11/19/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	11/19/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	11/19/2013	DLC
TPH-Diesel Range	NWTPH-DX	<b>480</b>	130	1	UG/L	11/19/2013	EBS
TPH-Oil Range	NWTPH-DX	<b>380</b>	250	1	UG/L	11/19/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>99.5</b>	11/19/2013	DLC
TFT	EPA-8021	<b>112</b>	11/19/2013	DLC
C25	NWTPH-DX	<b>99.8</b>	11/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>106</b>	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel and light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-08
CLIENT SAMPLE ID	MW-15	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 12:00:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>970</b>	50	1	UG/L	11/18/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
Benzene	EPA-8021	<b>5.2 F3</b>	1.0	1	UG/L	11/18/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Xylenes	EPA-8021	<b>3.5</b>	3.0	1	UG/L	11/18/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	11/20/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/20/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/20/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>125</b>	11/18/2013	DLC
TFT	EPA-8021	<b>130</b>	11/18/2013	DLC
C25	NWTPH-DX	<b>99.0</b>	11/20/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>106</b>	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 F3 - Analyte results biased high due to coeluting compound.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-09
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	11/15/2013
		COLLECTION DATE:	11/14/2013 1:05:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	11/18/2013	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	11/20/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/20/2013	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	11/18/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/18/2013	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	95.7	11/18/2013	DLC
TFT	EPA-8021	99.5	11/18/2013	DLC
C25	NWTPH-DX	102	11/20/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	107	11/18/2013	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 11/27/2013  
 228 E. Champion St., Suite 101 ALS SDG#: EV13110099  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris' Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-111813W - Batch 7402 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	11/18/2013	DLC

**MB-111813W - Batch 7402 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	11/18/2013	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	11/18/2013	DLC

**MB-111913W - Batch 7400 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	11/20/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	11/20/2013	EBS

**MB-111413W - Batch 7390 - Water by EPA-8260 SIM**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260 SIM	U	0.020	1	UG/L	11/14/2013	GAP
1,2-Dichloroethane	EPA-8260 SIM	U	0.10	1	UG/L	11/14/2013	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	11/14/2013	GAP

**MB-111813W - Batch 7388 - Water by EPA-200.8**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	11/18/2013	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	11/27/2013
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV13110099
CLIENT PROJECT:	Kris' Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 7402 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	74.6			11/18/2013	DLC
TPH-Volatile Range - BSD	NWTPH-GX	76.2	2		11/18/2013	DLC

**ALS Test Batch ID: 7402 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	90.1			11/18/2013	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	91.5	2		11/18/2013	DLC
Benzene - BS	EPA-8021	87.7			11/18/2013	DLC
Benzene - BSD	EPA-8021	93.8	7		11/18/2013	DLC
Toluene - BS	EPA-8021	88.7			11/18/2013	DLC
Toluene - BSD	EPA-8021	94.4	6		11/18/2013	DLC
Ethylbenzene - BS	EPA-8021	88.5			11/18/2013	DLC
Ethylbenzene - BSD	EPA-8021	94.5	7		11/18/2013	DLC
Xylenes - BS	EPA-8021	90.5			11/18/2013	DLC
Xylenes - BSD	EPA-8021	96.0	6		11/18/2013	DLC

**ALS Test Batch ID: 7400 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	85.0			11/20/2013	EBS
TPH-Diesel Range - BSD	NWTPH-DX	90.7	6		11/20/2013	EBS

**ALS Test Batch ID: 7390 - Water by EPA-8260 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260 SIM	109			11/14/2013	GAP
1,1-Dichloroethene - BSD	EPA-8260 SIM	106	3		11/14/2013	GAP

**ALS Test Batch ID: 7388 - Water by EPA-200.8**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead (Dissolved) - BS	EPA-200.8	95.7			11/18/2013	RAL
Lead (Dissolved) - BSD	EPA-200.8	95.2	0		11/18/2013	RAL

CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

**EV13110099**

Date **11/14/13** Page **1** Of **1**

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED			OTHER (Specify)		RECEIVED IN GOOD CONDITION?									
	WT/PH-HCID	WT/PH-DX	WT/PH-GX	MTBE by EPA-8021 <input checked="" type="checkbox"/> EPA-8260	Halogenated Volatiles by EPA 8260		Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pn Pol <input type="checkbox"/> TAL	Metals Other (Specify) <b>LEAD (Pb) Dissolved</b>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs
PROJECT ID: <b>KRIS' MINI MART</b> REPORT TO COMPANY: <b>WHATCOM ENVIRONMENTAL SERVICES</b> PROJECT MANAGER: <b>HAROLD CASHMAN</b> ADDRESS: <b>228 E. CHAMPION ST #101</b> <b>BELLEVUE, WA 98225</b> PHONE: <b>(360) 752-9571</b> FAX: P.O. #: INVOICE TO COMPANY: <b>COLONY INSURANCE</b> ATTENTION: <b>MATT MILLER (ANTENNA)</b> ADDRESS: <b>CLAIM # 194567</b>															
1. <b>MW-8</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
2. <b>MW-9</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
3. <b>MW-10</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
4. <b>MW-11</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
5. <b>MW-12</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
6. <b>MW-13</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
7. <b>MW-14</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
8. <b>MW-15</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
9. <b>MW-16</b>				<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>6</b>	
10.															

SPECIAL INSTRUCTIONS **ALL METALS SAMPLE BOTTLES WERE FILTERED IN THE FIELD.**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: **Shawn Robusa**, **WES**, **11/14/13, 3:00**  
 Received By: \_\_\_\_\_

2. Relinquished By: \_\_\_\_\_  
 Received By: **Shawn Robusa** **ALS** **11/15/13 2:20**

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis:  5  3  2  1  
 Fuels & Hydrocarbon Analysis:  3  1  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\* Turnaround request less than standard may incur Rush Charges



February 19, 2014

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On February 11th, 9 samples were received by our laboratory and assigned our laboratory project number EV14020039. The project was identified as your Kris Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc.  
 228 E. Champion St., Suite 101  
 Bellingham, WA 98225

DATE: 2/19/2014  
 ALS JOB#: EV14020039  
 ALS SAMPLE#: -01  
 DATE RECEIVED: 2/11/2014  
 COLLECTION DATE: 2/6/2014 11:10:00 AM  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris Mini Mart  
 CLIENT SAMPLE ID: MW-8

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	1700	250	5	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/13/2014	DLC
Benzene	EPA-8021	46	1.0	1	UG/L	02/13/2014	DLC
Toluene	EPA-8021	24	1.0	1	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	3.4	1.0	1	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	12	3.0	1	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	160	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	125	02/13/2014	DLC
TFT	EPA-8021	147 GS3	02/13/2014	DLC
C25	NWTPH-DX	109	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.8	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 GS3 - Surrogate outside of control limits due to coeluting compounds.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-02
CLIENT SAMPLE ID	MW-9	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/6/2014 12:10:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>800</b>	50	1	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	<b>7.8</b>	3.0	1	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>123</b>	02/13/2014	DLC
TFT	EPA-8021	<b>120</b>	02/13/2014	DLC
C25	NWTPH-DX	<b>119</b>	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>99.2</b>	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	MW-11	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/6/2014 2:15:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>34000</b>	1200	25	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	75	25	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	25	25	UG/L	02/13/2014	DLC
Toluene	EPA-8021	<b>1600</b>	25	25	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	<b>660</b>	25	25	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	<b>6800</b>	75	25	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	<b>2500</b>	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 25X Dilution	NWTPH-GX	<b>118</b>	02/13/2014	DLC
TFT 25X Dilution	EPA-8021	<b>117</b>	02/13/2014	DLC
C25	NWTPH-DX	<b>120</b>	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>97.1</b>	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-04
CLIENT SAMPLE ID:	MW-12	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/6/2014 1:15:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>14000</b>	500	10	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	30	10	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	10	10	UG/L	02/13/2014	DLC
Toluene	EPA-8021	<b>310</b>	10	10	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	<b>130</b>	10	10	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	<b>2800</b>	30	10	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	<b>2800</b>	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	<b>107</b>	02/13/2014	DLC
TFT 10X Dilution	EPA-8021	<b>102</b>	02/13/2014	DLC
C25	NWTPH-DX	<b>123</b>	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>97.7</b>	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-05
CLIENT SAMPLE ID	MW-10	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/6/2014 3:20:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>6300</b>	250	5	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	15	5	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	5.0	5	UG/L	02/13/2014	DLC
Toluene	EPA-8021	<b>510</b>	5.0	5	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	<b>60</b>	5.0	5	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	<b>1000</b>	15	5	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	<b>270</b>	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 5X Dilution	NWTPH-GX	<b>99.7</b>	02/13/2014	DLC
TFT 5X Dilution	EPA-8021	<b>97.1</b>	02/13/2014	DLC
C25	NWTPH-DX	<b>104</b>	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>98.3</b>	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	2/19/2014
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV14020039
<b>CLIENT PROJECT:</b>	Kris Mini Mart	<b>ALS SAMPLE#:</b>	-06
<b>CLIENT SAMPLE ID</b>	MW-15	<b>DATE RECEIVED:</b>	2/11/2014
		<b>COLLECTION DATE:</b>	2/6/2014 12:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>12000</b>	500	10	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	30	10	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	10	10	UG/L	02/13/2014	DLC
Toluene	EPA-8021	<b>250</b>	10	10	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	<b>110</b>	10	10	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	<b>2400</b>	30	10	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	<b>2200</b>	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 10X Dilution	NWTPH-GX	<b>122</b>	02/13/2014	DLC
TFT 10X Dilution	EPA-8021	<b>113</b>	02/13/2014	DLC
C25	NWTPH-DX	<b>103</b>	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>97.2</b>	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-07
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/6/2014 2:45:00 PM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	99.3	02/13/2014	DLC
TFT	EPA-8021	96.9	02/13/2014	DLC
C25	NWTPH-DX	103	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.2	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-08
CLIENT SAMPLE ID	MW-13	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/7/2014 10:15:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	<b>81</b>	50	1	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	<b>10</b>	3.0	1	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>80.9</b>	02/13/2014	DLC
TFT	EPA-8021	<b>77.1</b>	02/13/2014	DLC
C25	NWTPH-DX	<b>84.1</b>	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>101</b>	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-09
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/7/2014 11:10:00 AM
		WDOE ACCREDITATION:	C601

**DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/13/2014	DLC
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/13/2014	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	<b>470</b>	130	1	UG/L	02/13/2014	EBS
TPH-Oil Range	NWTPH-DX	<b>550</b>	250	1	UG/L	02/13/2014	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>83.6</b>	02/13/2014	DLC
TFT	EPA-8021	<b>79.0</b>	02/13/2014	DLC
C25	NWTPH-DX	<b>85.1</b>	02/13/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>101</b>	02/14/2014	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 2/19/2014  
 228 E. Champion St., Suite 101 ALS SDG#: EV14020039  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris Mini Mart

**LABORATORY BLANK RESULTS**

**MB-020714W - Batch 7612 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/07/2014	DLC

**MB-020714W - Batch 7612 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/07/2014	DLC
Benzene	EPA-8021	U	1.0	1	UG/L	02/07/2014	DLC
Toluene	EPA-8021	U	1.0	1	UG/L	02/07/2014	DLC
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/07/2014	DLC
Xylenes	EPA-8021	U	3.0	1	UG/L	02/07/2014	DLC

**MB-021214W - Batch 7621 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/12/2014	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/12/2014	EBS

**MB-021414W - Batch 7627 - Water by EPA-8260 SIM**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260 SIM	U	0.020	1	UG/L	02/14/2014	GAP
1,2-Dichloroethane	EPA-8260 SIM	U	0.10	1	UG/L	02/14/2014	GAP
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	02/14/2014	GAP

**MB-021314W - Batch 7623 - Water by EPA-200.8**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Lead (Dissolved)	EPA-200.8	U	1.0	1	UG/L	02/17/2014	RAL



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 7612 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	75.8			02/07/2014	DLC
TPH-Volatile Range - BSD	NWTPH-GX	72.5	4		02/07/2014	DLC

**ALS Test Batch ID: 7612 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	87.8			02/07/2014	DLC
Methyl T-Butyl Ether - BSD	EPA-8021	89.2	2		02/07/2014	DLC
Benzene - BS	EPA-8021	95.0			02/07/2014	DLC
Benzene - BSD	EPA-8021	97.0	2		02/07/2014	DLC
Toluene - BS	EPA-8021	100			02/07/2014	DLC
Toluene - BSD	EPA-8021	102	2		02/07/2014	DLC
Ethylbenzene - BS	EPA-8021	98.0			02/07/2014	DLC
Ethylbenzene - BSD	EPA-8021	100	2		02/07/2014	DLC
Xylenes - BS	EPA-8021	97.9			02/07/2014	DLC
Xylenes - BSD	EPA-8021	100	2		02/07/2014	DLC

**ALS Test Batch ID: 7621 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	79.0			02/12/2014	EBS
TPH-Diesel Range - BSD	NWTPH-DX	80.2	2		02/12/2014	EBS

**ALS Test Batch ID: 7627 - Water by EPA-8260 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene - BS	EPA-8260 SIM	84.4			02/14/2014	GAP
1,1-Dichloroethene - BSD	EPA-8260 SIM	80.7	5		02/14/2014	GAP

**ALS Test Batch ID: 7623 - Water by EPA-200.8**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead (Dissolved) - BS	EPA-200.8	94.1			02/17/2014	RAL
Lead (Dissolved) - BSD	EPA-200.8	94.4	0		02/17/2014	RAL



CERTIFICATE OF ANALYSIS

APPROVED BY



Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)  
 EV14020039  
 Date 2/10/14 Page 1 of 1

PROJECT ID: Kris Mini Mart  
 REPORT TO COMPANY: Whatecom Environmental Services  
 PROJECT MANAGER: Harold Cashman  
 ADDRESS: 229 E. Champion St. #101  
Bellingham, WA 98225  
 PHONE: 360-752-9571 FAX: 360-752-9573  
 P.O. #: \_\_\_\_\_ E-MAIL: h.cashman@whatecom.com  
 INVOICE TO COMPANY: Colony Insurance  
 ATTENTION: Carol Lybeer  
 ADDRESS: Claim# 194567

ANALYSIS REQUESTED	OTHER (Specify)																
	NTPH-HCID	NTPH-DX	NTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RCRA-8 Ptl Pol TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Pest Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
2. MW-9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
3. MW-11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
4. MW-12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
5. MW-10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
6. MW-15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
7. MW-16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
8. MW-13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	
9. MW-14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	6	

SPECIAL INSTRUCTIONS Lead Samples were field filtered.

SIGNATURES (Name-Company, Date, Time):  
 1. Relinquished By: John Ryan, WTS 2/10/14, 9AM  
 Received By: \_\_\_\_\_  
 2. Relinquished By: John Ryan ALS 2/11/14 2:25  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED IN Business Days\*  
 Organic, Metals & Inorganic Analysis  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 Turnaround request less than standard may incur Rush Charges



May 6, 2015

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On May 1st, 17 samples were received by our laboratory and assigned our laboratory project number EV15050003. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-01
CLIENT SAMPLE ID	MW-6	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/30/2015 12:10:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	69	50	1	ug/L	05/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/04/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/04/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/04/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/04/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	11000	650	5	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	1900	1200	5	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	82.1	05/04/2015	PAB
TFT	EPA-8021	88.7	05/04/2015	PAB
C25 5X Dilution	NWTPH-DX	87.9	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains an unidentified gasoline range product, an unidentified diesel range product and an unidentified oil range product.

Oil range product results biased high due to diesel range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/6/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15050003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15050003-02
<b>CLIENT SAMPLE ID</b>	MW-7	<b>DATE RECEIVED:</b>	05/01/2015
		<b>COLLECTION DATE:</b>	4/29/2015 2:35:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>340</b>	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	<b>1.5</b>	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	<b>14</b>	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	<b>2.4</b>	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	<b>57</b>	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>400</b>	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>270</b>	250	1	ug/L	05/01/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>78.6</b>	05/02/2015	PAB
TFT	EPA-8021	<b>77.5</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>92.8</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline, weathered diesel and lube oil.  
 Oil range product results biased high due to diesel range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/6/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15050003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15050003-03
<b>CLIENT SAMPLE ID</b>	MW-8	<b>DATE RECEIVED:</b>	05/01/2015
		<b>COLLECTION DATE:</b>	4/29/2015 2:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>2500</b>	250	5	ug/L	05/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	<b>38</b>	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	<b>30</b>	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	<b>4.5</b>	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	<b>16</b>	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>280</b>	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 5X Dilution	NWTPH-GX	<b>105</b>	05/04/2015	PAB
TFT	EPA-8021	<b>114</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>95.1</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-04
CLIENT SAMPLE ID	MW-9	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 2:50:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	1400	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	3.5	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	21	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	150	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	97.0	05/02/2015	PAB
TFT	EPA-8021	96.8	05/02/2015	PAB
C25	NWTPH-DX	96.5	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/6/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15050003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15050003-05
<b>CLIENT SAMPLE ID</b>	MW-10	<b>DATE RECEIVED:</b>	05/01/2015
		<b>COLLECTION DATE:</b>	4/30/2015 11:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>3900</b>	250	5	ug/L	05/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	<b>2.3</b>	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	<b>190</b>	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	<b>63</b>	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	<b>470</b>	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>180</b>	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 5X Dilution	NWTPH-GX	<b>81.7</b>	05/04/2015	PAB
TFT	EPA-8021	<b>88.4</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>85.7</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-06
CLIENT SAMPLE ID:	MW-11	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/30/2015 10:15:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	15000	1000	20	ug/L	05/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	60	20	ug/L	05/04/2015	PAB
Benzene	EPA-8021	22	20	20	ug/L	05/04/2015	PAB
Toluene	EPA-8021	290	20	20	ug/L	05/04/2015	PAB
Ethylbenzene	EPA-8021	180	20	20	ug/L	05/04/2015	PAB
Xylenes	EPA-8021	2700	60	20	ug/L	05/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	3900	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	70.8	05/04/2015	PAB
TFT 20X Dilution	EPA-8021	72.4	05/04/2015	PAB
C25	NWTPH-DX	113	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/6/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15050003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15050003-07
<b>CLIENT SAMPLE ID</b>	MW-12	<b>DATE RECEIVED:</b>	05/01/2015
		<b>COLLECTION DATE:</b>	4/30/2015 9:25:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>11000</b>	1000	20	ug/L	05/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	60	20	ug/L	05/04/2015	PAB
Benzene	EPA-8021	U	20	20	ug/L	05/04/2015	PAB
Toluene	EPA-8021	<b>90</b>	20	20	ug/L	05/04/2015	PAB
Ethylbenzene	EPA-8021	<b>110</b>	20	20	ug/L	05/04/2015	PAB
Xylenes	EPA-8021	<b>2300</b>	60	20	ug/L	05/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>2500</b>	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 20X Dilution	NWTPH-GX	<b>69.7</b>	05/04/2015	PAB
TFT 20X Dilution	EPA-8021	<b>70.0</b>	05/04/2015	PAB
C25	NWTPH-DX	<b>87.6</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-08
CLIENT SAMPLE ID:	MW-13	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 3:25:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	300	50	1	ug/L	05/04/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/04/2015	PAB
Benzene	EPA-8021	2.0	1.0	1	ug/L	05/04/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/04/2015	PAB
Ethylbenzene	EPA-8021	4.5	1.0	1	ug/L	05/04/2015	PAB
Xylenes	EPA-8021	38	3.0	1	ug/L	05/04/2015	PAB
TPH-Diesel Range	NWTPH-DX	160	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	80.5	05/04/2015	PAB
TFT	EPA-8021	86.8	05/04/2015	PAB
C25	NWTPH-DX	84.8	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-09
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 1:40:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>1000</b>	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>82.1</b>	05/02/2015	PAB
TFT	EPA-8021	<b>82.1</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>91.4</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains an unidentified oil range product.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-10
CLIENT SAMPLE ID	MW-15	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 11:05:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	58	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	200	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.9	05/02/2015	PAB
TFT	EPA-8021	82.7	05/02/2015	PAB
C25	NWTPH-DX	96.3	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains an unidentified gasoline range product and weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-11
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 12:00:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	80.4	05/02/2015	PAB
TFT	EPA-8021	82.5	05/02/2015	PAB
C25	NWTPH-DX	102	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-12
CLIENT SAMPLE ID	MW-17	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 12:55:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	110	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	880	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	81.7	05/02/2015	PAB
TFT	EPA-8021	84.8	05/02/2015	PAB
C25	NWTPH-DX	102	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-13
CLIENT SAMPLE ID:	MW-18	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 11:10:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>1000</b>	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>80.1</b>	05/02/2015	PAB
TFT	EPA-8021	<b>82.9</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>101</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/6/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15050003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15050003-14
<b>CLIENT SAMPLE ID</b>	MW-19	<b>DATE RECEIVED:</b>	05/01/2015
		<b>COLLECTION DATE:</b>	4/29/2015 12:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>1300</b>	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	<b>2.5</b>	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	<b>2.7</b>	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	<b>3.8</b>	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	<b>21</b>	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>3000</b>	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>410</b>	250	1	ug/L	05/01/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>110</b>	05/02/2015	PAB
TFT	EPA-8021	<b>110</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>99.8</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered gasoline, an unidentified diesel range product and an unidentified oil range product.  
 Diesel range product results biased high due to gasoline range product overlap.  
 Oil range product results biased high due to diesel range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15050003-15
CLIENT SAMPLE ID	MW-20	DATE RECEIVED:	05/01/2015
		COLLECTION DATE:	4/29/2015 12:50:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	80.2	05/02/2015	PAB
TFT	EPA-8021	85.6	05/02/2015	PAB
C25	NWTPH-DX	90.1	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/6/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15050003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15050003-16
<b>CLIENT SAMPLE ID</b>	WES-1	<b>DATE RECEIVED:</b>	05/01/2015
		<b>COLLECTION DATE:</b>	4/29/2015 12:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>84.6</b>	05/02/2015	PAB
TFT	EPA-8021	<b>86.9</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>91.7</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	5/6/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15050003
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15050003-17
<b>CLIENT SAMPLE ID</b>	WES-2	<b>DATE RECEIVED:</b>	05/01/2015
		<b>COLLECTION DATE:</b>	4/29/2015 2:05:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	05/02/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/02/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/02/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>85.0</b>	05/02/2015	PAB
TFT	EPA-8021	<b>87.5</b>	05/02/2015	PAB
C25	NWTPH-DX	<b>88.8</b>	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

**CLIENT:** Whatcom Environmental Svcs., Inc. **DATE:** 5/6/2015  
 228 E. Champion St., Suite 101 **ALS SDG#:** EV15050003  
 Bellingham, WA 98225 **WDOE ACCREDITATION:** C601  
**CLIENT CONTACT:** Harold Cashman  
**CLIENT PROJECT:** Kris's Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-043015W - Batch 93006 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	04/30/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MBG-050115W - Batch 93007 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	ug/L	05/01/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-043015W - Batch 93006 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	04/30/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	04/30/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	04/30/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	04/30/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	04/30/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-050115W - Batch 93007 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	ug/L	05/01/2015	PAB
Benzene	EPA-8021	U	1.0	1	ug/L	05/01/2015	PAB
Toluene	EPA-8021	U	1.0	1	ug/L	05/01/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	ug/L	05/01/2015	PAB
Xylenes	EPA-8021	U	3.0	1	ug/L	05/01/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-050115W - Batch 93081 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	ug/L	05/01/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	ug/L	05/01/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/6/2015
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV15050003
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 93006 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	87.1			04/30/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	84.4	3		04/30/2015	PAB

**ALS Test Batch ID: 93007 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	82.1			05/01/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	89.2	8		05/01/2015	PAB

**ALS Test Batch ID: 93006 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	101			04/30/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	101	0		04/30/2015	PAB
Benzene - BS	EPA-8021	101			04/30/2015	PAB
Benzene - BSD	EPA-8021	99.8	1		04/30/2015	PAB
Toluene - BS	EPA-8021	93.7			04/30/2015	PAB
Toluene - BSD	EPA-8021	92.9	1		04/30/2015	PAB
Ethylbenzene - BS	EPA-8021	94.3			04/30/2015	PAB
Ethylbenzene - BSD	EPA-8021	93.7	1		04/30/2015	PAB
Xylenes - BS	EPA-8021	92.6			04/30/2015	PAB
Xylenes - BSD	EPA-8021	92.4	0		04/30/2015	PAB

**ALS Test Batch ID: 93007 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	101			05/01/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	102	2		05/01/2015	PAB
Benzene - BS	EPA-8021	99.0			05/01/2015	PAB
Benzene - BSD	EPA-8021	102	3		05/01/2015	PAB
Toluene - BS	EPA-8021	94.3			05/01/2015	PAB
Toluene - BSD	EPA-8021	95.5	1		05/01/2015	PAB
Ethylbenzene - BS	EPA-8021	93.9			05/01/2015	PAB
Ethylbenzene - BSD	EPA-8021	95.2	1		05/01/2015	PAB
Xylenes - BS	EPA-8021	92.4			05/01/2015	PAB
Xylenes - BSD	EPA-8021	92.7	0		05/01/2015	PAB



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 5/6/2015
228 E. Champion St., Suite 101 ALS SDG#: EV15050003
Bellingham, WA 98225 WDOE ACCREDITATION: C601
CLIENT CONTACT: Harold Cashman
CLIENT PROJECT: Kris's Mini Mart

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 93081 - Water by NWTPH-DX

Table with 7 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

APPROVED BY

Handwritten signature of Paul Bagum

Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

**EV15050003**

Date 4/30/15 Page 1 of 2

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED										OTHER (Specify)									
	NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polyyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RORA-8 Pt Pol TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Pest Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?			
<b>Kris's Mini Mart</b> <b>Whatcom Environmental Services</b> <b>Harold Cashman</b> <b>220 E. Champion St #101</b> <b>Bellingham, WA 98225</b> <b>360-752-9571 FAX: 360-752-9573</b> <b>E-MAIL: hvashman@whatcom...</b> <b>Colony Insurance</b> <b>Co Carol Lybeer</b> <b>Claim# 194567</b>																				
1. MW-6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
2. MW-7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
3. MW-8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
4. MW-9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
5. MW-10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
6. MW-11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
7. MW-12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
8. MW-13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
9. MW-14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					
10. MW-15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3					

**SPECIAL INSTRUCTIONS**

**SIGNATURES (Name, Company, Date, Time):**  
 1. Relinquished By: Harold Cashman, WES, 4/30/15, 2:30 PM  
 Received By: [Signature]  
 2. Relinquished By: [Signature], ALS, 5/1/15, 9:00  
 Received By: \_\_\_\_\_

**TURNAROUND REQUESTED in Business Days\***  
 Organic, Metals & Inorganic Analysis:  1  2  3  5  10  
 Standard  1  2  3  5  10  
 Fuels & Hydrocarbon Analysis:  1  3  5  10  
 Turnaround  1  3  5  10  
 Specify: \_\_\_\_\_  
 OTHER: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges





**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV15050003

Date 4/30/15 Page 2 of 2

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED										OTHER (Specify)						
	NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021 <input type="checkbox"/> EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides <input type="checkbox"/> by EPA 8081/8082	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pt Pol <input type="checkbox"/> TAL	Metals Other (Specify)	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. <u>MW-16</u>	X	X	X	X	X												
2. <u>MW-17</u>	X	X	X	X	X												
3. <u>MW-18</u>	X	X	X	X	X												
4. <u>MW-19</u>	X	X	X	X	X												
5. <u>MW-20</u>	X	X	X	X	X												
6. <u>WES-1</u>	X	X	X	X	X												
7. <u>WES-2</u>	X	X	X	X	X												
8.																	
9.																	
10.																	

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: [Signature] WES, 4/30/15, 2:30 PM  
 Received By: [Signature] WES 4/1/15 9:00  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis  
 10 Standard 5 3 2 1 SAME DAY  
 Fuels & Hydrocarbon Analysis  
 5 3 1 SAME DAY  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



September 28, 2015

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On September 23rd, 17 samples were received by our laboratory and assigned our laboratory project number EV15090140. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-01
CLIENT SAMPLE ID	MW-6	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/22/2015 12:40:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/23/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/23/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/23/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/23/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>2200</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>400</b>	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.1</b>	09/23/2015	PAB
TFT	EPA-8021	<b>93.7</b>	09/23/2015	PAB
C25	NWTPH-DX	<b>81.2</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>119</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered diesel and an unidentified oil range product.  
 Oil range product results biased high due to diesel range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-02
CLIENT SAMPLE ID	MW-7	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/22/2015 11:10:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/23/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/23/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/23/2015	PAB
Ethylbenzene	EPA-8021	1.4	1.0	1	UG/L	09/23/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	0.14	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.038	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	87.7	09/23/2015	PAB
TFT	EPA-8021	93.2	09/23/2015	PAB
C25	NWTPH-DX	88.8	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	123	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/28/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15090140
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15090140-03
<b>CLIENT SAMPLE ID</b>	MW-8	<b>DATE RECEIVED:</b>	09/23/2015
		<b>COLLECTION DATE:</b>	9/22/2015 10:40:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>460</b>	50	1	UG/L	09/23/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/23/2015	PAB
Benzene	EPA-8021	<b>1.2</b>	1.0	1	UG/L	09/23/2015	PAB
Toluene	EPA-8021	<b>2.4</b>	1.0	1	UG/L	09/23/2015	PAB
Ethylbenzene	EPA-8021	<b>1.6</b>	1.0	1	UG/L	09/23/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/23/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>300</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>0.72</b>	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>3.9</b>	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>4.1</b>	0.020	1	UG/L	09/24/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>97.8</b>	09/23/2015	PAB
TFT	EPA-8021	<b>106</b>	09/23/2015	PAB
C25	NWTPH-DX	<b>95.1</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>133</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/28/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15090140
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15090140-04
<b>CLIENT SAMPLE ID</b>	MW-9	<b>DATE RECEIVED:</b>	09/23/2015
		<b>COLLECTION DATE:</b>	9/22/2015 11:40:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>1600</b>	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	<b>1.1</b>	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	<b>8.5</b>	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	<b>48</b>	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>2.7</b>	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>27</b>	0.20	10	UG/L	09/25/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>17</b>	0.20	10	UG/L	09/25/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>103</b>	09/24/2015	PAB
TFT	EPA-8021	<b>112</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>97.0</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>132</b>	09/24/2015	GAP
Terphenyl-d14 10X Dilution	EPA-8270 SIM	<b>79.8</b>	09/25/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/28/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15090140
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15090140-05
<b>CLIENT SAMPLE ID</b>	MW-10	<b>DATE RECEIVED:</b>	09/23/2015
		<b>COLLECTION DATE:</b>	9/21/2015 12:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	270	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	17	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	4.4	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	53	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	0.94	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.11	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.23	0.020	1	UG/L	09/24/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	84.2	09/24/2015	PAB
TFT	EPA-8021	94.5	09/24/2015	PAB
C25	NWTPH-DX	97.9	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	129	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/28/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15090140
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15090140-06
<b>CLIENT SAMPLE ID</b>	MW-11	<b>DATE RECEIVED:</b>	09/23/2015
		<b>COLLECTION DATE:</b>	9/21/2015 1:25:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>36000</b>	1000	20	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	60	20	UG/L	09/24/2015	PAB
Benzene	EPA-8021	<b>31</b>	20	20	UG/L	09/24/2015	PAB
Toluene	EPA-8021	<b>970</b>	20	20	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	<b>1000</b>	20	20	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	<b>8900</b>	60	20	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>1500</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>110</b>	1.0	50	UG/L	09/25/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>22</b>	1.0	50	UG/L	09/25/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>21</b>	1.0	50	UG/L	09/25/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 20X Dilution	NWTPH-GX	<b>107</b>	09/24/2015	PAB
TFT 20X Dilution	EPA-8021	<b>114</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>101</b>	09/23/2015	EBS
Terphenyl-d14 50X Dilution	EPA-8270 SIM	<b>50.2</b>	09/25/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/28/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15090140
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15090140-07
<b>CLIENT SAMPLE ID</b>	MW-12	<b>DATE RECEIVED:</b>	09/23/2015
		<b>COLLECTION DATE:</b>	9/21/2015 2:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>1300</b>	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	<b>23</b>	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	<b>19</b>	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	<b>320</b>	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>2.4</b>	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.13</b>	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.75</b>	0.020	1	UG/L	09/24/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>94.9</b>	09/24/2015	PAB
TFT	EPA-8021	<b>105</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>100</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>126</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/28/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15090140
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15090140-08
<b>CLIENT SAMPLE ID</b>	MW-13	<b>DATE RECEIVED:</b>	09/23/2015
		<b>COLLECTION DATE:</b>	9/21/2015 10:50:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>870</b>	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	<b>1.2</b>	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	<b>5.0</b>	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	<b>16</b>	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	<b>150</b>	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>230</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>7.9</b>	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>2.7</b>	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>2.7</b>	0.020	1	UG/L	09/24/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>89.8</b>	09/24/2015	PAB
TFT	EPA-8021	<b>100</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>88.5</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>136</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and highly weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-09
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/21/2015 12:05:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>350</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.1</b>	09/24/2015	PAB
TFT	EPA-8021	<b>90.8</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>93.3</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>145</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-10
CLIENT SAMPLE ID	MW-15	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/22/2015 9:35:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>160</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>0.10</b>	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>84.2</b>	09/24/2015	PAB
TFT	EPA-8021	<b>92.6</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>95.3</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>126</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-11
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/21/2015 3:55:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>180</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.0</b>	09/24/2015	PAB
TFT	EPA-8021	<b>92.6</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>93.8</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>87.2</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-12
CLIENT SAMPLE ID:	MW-17	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/21/2015 12:55:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	430	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	0.36	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.064	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	1.3	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	82.5	09/24/2015	PAB
TFT	EPA-8021	92.2	09/24/2015	PAB
C25	NWTPH-DX	93.0	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	125	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-13
CLIENT SAMPLE ID	MW-18	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/21/2015 1:45:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>430</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>0.095</b>	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.8</b>	09/24/2015	PAB
TFT	EPA-8021	<b>89.5</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>91.3</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>115</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-14
CLIENT SAMPLE ID	MW-19	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/21/2015 2:45:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>700</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>350</b>	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	<b>0.062</b>	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.030</b>	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.033</b>	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>84.3</b>	09/24/2015	PAB
TFT	EPA-8021	<b>90.9</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>91.9</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>115</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.  
 Oil range product results biased high due to diesel range product overlap.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-15
CLIENT SAMPLE ID	MW-20	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/21/2015 3:45:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>260</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.7</b>	09/24/2015	PAB
TFT	EPA-8021	<b>92.0</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>91.1</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>120</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15090140-16
CLIENT SAMPLE ID	WES-1	DATE RECEIVED:	09/23/2015
		COLLECTION DATE:	9/21/2015 4:10:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>250</b>	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>84.2</b>	09/24/2015	PAB
TFT	EPA-8021	<b>89.1</b>	09/24/2015	PAB
C25	NWTPH-DX	<b>87.9</b>	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>132</b>	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	9/28/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15090140
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15090140-17
<b>CLIENT SAMPLE ID</b>	WES-2	<b>DATE RECEIVED:</b>	09/23/2015
		<b>COLLECTION DATE:</b>	9/22/2015 8:50:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	09/24/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	09/24/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	09/24/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	09/23/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	09/24/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	86.7	09/24/2015	PAB
TFT	EPA-8021	95.1	09/24/2015	PAB
C25	NWTPH-DX	92.6	09/23/2015	EBS
Terphenyl-d14	EPA-8270 SIM	125	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 9/28/2015  
 228 E. Champion St., Suite 101 ALS SDG#: EV15090140  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris's Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-092315W2 - Batch 97377 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U		UG/L	50	09/23/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-092315W2 - Batch 97377 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U		UG/L	3.0	09/23/2015	PAB
Benzene	EPA-8021	U		UG/L	1.0	09/23/2015	PAB
Toluene	EPA-8021	U		UG/L	1.0	09/23/2015	PAB
Ethylbenzene	EPA-8021	U		UG/L	1.0	09/23/2015	PAB
Xylenes	EPA-8021	U		UG/L	3.0	09/23/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-092315W - Batch 97414 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U		UG/L	130	09/23/2015	EBS
TPH-Oil Range	NWTPH-DX	U		UG/L	250	09/23/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-092415W - Batch 97476 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U		UG/L	0.020	09/24/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U		UG/L	0.020	09/24/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U		UG/L	0.020	09/24/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U		UG/L	0.020	09/24/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	9/28/2015
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV15090140
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 97377 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	86.4			09/23/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	87.5	1		09/23/2015	PAB

**ALS Test Batch ID: 97377 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	104			09/23/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	107	3		09/23/2015	PAB
Benzene - BS	EPA-8021	96.3			09/23/2015	PAB
Benzene - BSD	EPA-8021	98.8	3		09/23/2015	PAB
Toluene - BS	EPA-8021	95.4			09/23/2015	PAB
Toluene - BSD	EPA-8021	97.3	2		09/23/2015	PAB
Ethylbenzene - BS	EPA-8021	96.0			09/23/2015	PAB
Ethylbenzene - BSD	EPA-8021	97.0	1		09/23/2015	PAB
Xylenes - BS	EPA-8021	97.7			09/23/2015	PAB
Xylenes - BSD	EPA-8021	99.5	2		09/23/2015	PAB

**ALS Test Batch ID: 97414 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	91.7			09/24/2015	EBS
TPH-Diesel Range - BSD	NWTPH-DX	92.2	1		09/23/2015	EBS

**ALS Test Batch ID: 97476 - Water by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	47.1			09/24/2015	GAP
Naphthalene - BSD	EPA-8270 SIM	48.8	4		09/24/2015	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	71.4			09/24/2015	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	70.7	1		09/24/2015	GAP

APPROVED BY

Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV15090140

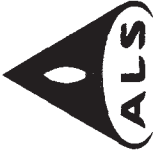
Date 9/22/15 Page 1 Of 2

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED										OTHER (Specify)									
	NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RCRA-8 TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Past Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?		
1. Kriss Mini Mart Whatcom Environmental Services Harold Cashman 228 E. Champion St #101 Bellingham, WA 98225 360-752-5571 FAX: 360-752-9573 E-MAIL: hycashman@whatcom.com Celony Insurance Go David Lyber Claim # 194567	X	X	X	X	X												4			
MW-6				X	X												4			
MW-7				X	X												4			
MW-8				X	X												4			
MW-9				X	X												4			
MW-10				X	X												4			
MW-11				X	X												4			
MW-12				X	X												4			
MW-13				X	X												4			
MW-14				X	X												4			
MW-15				X	X												4			

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: *John... WES, 9/22/15 2PM*  
 Received By: *Whitney... ALS, 9/23/15, 9:20 am*  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER:  
 Specify: \_\_\_\_\_  
 Organic, Metals & Inorganic Analysis: 10, 5, 3, 2, 1  
 Fuels & Hydrocarbon Analysis: 5, 3, 1  
 \*Turnaround request less than standard may incur Rush Charges



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EVI5090140

Date 9/22/15 Page 2 Of 2

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED				OTHER (Specify)											
	NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTX by EPA-8021	MTBE by EPA-8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EB / EDC by EPA 8260 SIM (water)	EB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RORA-8 Ph Pol TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Pest Herbs	NUMBER OF CONTAINERS
1. MW-16	X	X	X	X	X										1	
2. MW-17	X	X	X	X	X										4	
3. MW-18	X	X	X	X	X										4	
4. MW-19	X	X	X	X	X										4	
5. MW-20	X	X	X	X	X										4	
6. WES-1	X	X	X	X	X										4	
7. WES-2	X	X	X	X	X										4	
8.																
9.																
10.																

PROJECT ID: Kriss Mini Mart  
 REPORT TO COMPANY: Wharton Environmental Services  
 PROJECT MANAGER: Harold Cashman  
 ADDRESS: 220 E. Champion St #101  
Bellingham, WA 98225  
 PHONE: 360-752-9571 FAX: 360-752-9573  
 P.O. #:  
 INVOICE TO COMPANY: Galaxy Insurance  
 ATTENTION: % Carol byner  
 ADDRESS: Claim #194567

SAMPLE I.D.	DATE	TIME	TYPE	LAB#
1. MW-16	9/21/15	15:55	water	11
2. MW-17		12:55		12
3. MW-18		1:45		13
4. MW-19		2:45		14
5. MW-20		3:45		15
6. WES-1	9/21/15	4:10		16
7. WES-2	9/22/15	8:50		17
8.				
9.				
10.				

### SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Harold Cashman WES, 9/22/15, 2:00PM  
 Received By: Harold Cashman, ALS, 9/23/15, 9:20am  
 2. Relinquished By:  
 Received By:

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 10  5  3  2  1

Fuels & Hydrocarbon Analysis  
 5  3  1

\*Turnaround request less than standard may incur Rush Charges





October 19, 2015

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On October 13th, 2 samples were received by our laboratory and assigned our laboratory project number EV15100076. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	10/19/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15100076
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15100076-01
CLIENT SAMPLE ID	MW-21	DATE RECEIVED:	10/13/2015
		COLLECTION DATE:	10/9/2015 10:10:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	ND	50	1	UG/L	10/13/2015	PAB
Methyl T-Butyl Ether	EPA-8021	ND	3.0	1	UG/L	10/13/2015	PAB
Benzene	EPA-8021	ND	1.0	1	UG/L	10/13/2015	PAB
Toluene	EPA-8021	ND	1.0	1	UG/L	10/13/2015	PAB
Ethylbenzene	EPA-8021	ND	1.0	1	UG/L	10/13/2015	PAB
Xylenes	EPA-8021	ND	3.0	1	UG/L	10/13/2015	PAB
TPH-Diesel Range	NWTPH-DX	ND	130	1	UG/L	10/13/2015	DLC
TPH-Oil Range	NWTPH-DX	ND	250	1	UG/L	10/13/2015	DLC
Naphthalene	EPA-8270 SIM	ND	0.020	1	UG/L	10/13/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	ND	0.020	1	UG/L	10/13/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	ND	0.020	1	UG/L	10/13/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	94.9	10/13/2015	PAB
TFT	EPA-8021	96.1	10/13/2015	PAB
C25	NWTPH-DX	95.3	10/13/2015	DLC
Terphenyl-d14	EPA-8270 SIM	55.4	10/13/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	10/19/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15100076
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15100076-02
<b>CLIENT SAMPLE ID</b>	MW-22	<b>DATE RECEIVED:</b>	10/13/2015
		<b>COLLECTION DATE:</b>	10/9/2015 11:10:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	ND	50	1	UG/L	10/13/2015	PAB
Methyl T-Butyl Ether	EPA-8021	ND	3.0	1	UG/L	10/13/2015	PAB
Benzene	EPA-8021	ND	1.0	1	UG/L	10/13/2015	PAB
Toluene	EPA-8021	ND	1.0	1	UG/L	10/13/2015	PAB
Ethylbenzene	EPA-8021	ND	1.0	1	UG/L	10/13/2015	PAB
Xylenes	EPA-8021	ND	3.0	1	UG/L	10/13/2015	PAB
TPH-Diesel Range	NWTPH-DX	ND	130	1	UG/L	10/13/2015	DLC
TPH-Oil Range	NWTPH-DX	ND	250	1	UG/L	10/13/2015	DLC
Naphthalene	EPA-8270 SIM	ND	0.020	1	UG/L	10/13/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	ND	0.020	1	UG/L	10/13/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	ND	0.020	1	UG/L	10/13/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>98.6</b>	10/13/2015	PAB
TFT	EPA-8021	<b>99.0</b>	10/13/2015	PAB
C25	NWTPH-DX	<b>96.1</b>	10/13/2015	DLC
Terphenyl-d14	EPA-8270 SIM	<b>78.5</b>	10/13/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 10/19/2015  
 228 E. Champion St., Suite 101 ALS SDG#: EV15100076  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris's Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-100815W2 - Batch 97888 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U		UG/L	50	10/08/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-100815W2 - Batch 97888 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U		UG/L	3.0	10/08/2015	PAB
Benzene	EPA-8021	U		UG/L	1.0	10/08/2015	PAB
Toluene	EPA-8021	U		UG/L	1.0	10/08/2015	PAB
Ethylbenzene	EPA-8021	U		UG/L	1.0	10/08/2015	PAB
Xylenes	EPA-8021	U		UG/L	3.0	10/08/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-100715W - Batch 97902 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U		UG/L	130	10/08/2015	DLC
TPH-Oil Range	NWTPH-DX	U		UG/L	250	10/08/2015	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-101215W - Batch 97999 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	QUAL	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U		UG/L	0.020	10/12/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U		UG/L	0.020	10/12/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U		UG/L	0.020	10/12/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U		UG/L	0.020	10/12/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	10/19/2015
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV15100076
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 97888 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	94.9			10/08/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	95.8	1		10/08/2015	PAB

**ALS Test Batch ID: 97888 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	107			10/08/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	106	1		10/08/2015	PAB
Benzene - BS	EPA-8021	98.2			10/08/2015	PAB
Benzene - BSD	EPA-8021	97.3	1		10/08/2015	PAB
Toluene - BS	EPA-8021	98.4			10/08/2015	PAB
Toluene - BSD	EPA-8021	98.5	0		10/08/2015	PAB
Ethylbenzene - BS	EPA-8021	99.5			10/08/2015	PAB
Ethylbenzene - BSD	EPA-8021	99.4	0		10/08/2015	PAB
Xylenes - BS	EPA-8021	103			10/08/2015	PAB
Xylenes - BSD	EPA-8021	102	0		10/08/2015	PAB

**ALS Test Batch ID: 97902 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	98.3			10/08/2015	DLC
TPH-Diesel Range - BSD	NWTPH-DX	102	4		10/08/2015	DLC

**ALS Test Batch ID: 97999 - Water by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Naphthalene - BS	EPA-8270 SIM	87.0			10/12/2015	GAP
Naphthalene - BSD	EPA-8270 SIM	98.3	12		10/12/2015	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	120			10/12/2015	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	124	3		10/12/2015	GAP

APPROVED BY

Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
<http://www.alsglobal.com>

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV15100076

Date 10/12/15 Page 1 Of 1

PROJECT INFORMATION				ANALYSIS REQUESTED												OTHER (Specify)					
PROJECT ID:	REPORT TO COMPANY:	PROJECT MANAGER:	ADDRESS:	MTBE by EPA-8021 <input type="checkbox"/>	BTEX by EPA-8021 <input type="checkbox"/>	NWTPH-GX <input type="checkbox"/>	NWTPH-DX <input type="checkbox"/>	NWTPH-HCID <input type="checkbox"/>	Halogenated Volatiles by EPA 8260 <input type="checkbox"/>	Volatile Organic Compounds by EPA 8260 <input type="checkbox"/>	EDB / EDC by EPA 8260 SIM (water) <input type="checkbox"/>	EDB / EDC by EPA 8260 (soil) <input type="checkbox"/>	Semivolatile Organic Compounds by EPA 8270 <input type="checkbox"/>	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/>	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082 <input type="checkbox"/>	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pfl Pol <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify) <input type="checkbox"/>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. MW-21	10/9/15	10:10	water	X	X	X	X												4		
2. MW-22	10/9/15	11:10	water	X	X	X	X												4		
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					

X Naphthalenes

PROJECT ID: Kriss Mini Mart  
 REPORT TO COMPANY: Whatcom Environmental Services  
 PROJECT MANAGER: Harold Cashman  
 ADDRESS: 228 E. Champion St #101  
Bellingham, WA 98225  
 PHONE: 360-752-9571 FAX: 360-752-9573  
 P.O. #:  E-MAIL: hcashman@whatcom...  
 INVOICE TO COMPANY: Colony Insurance  
 ATTENTION: c/o David Hyber  
 ADDRESS: Claim # 194567

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: John Taylor, WES, 10/12/15, 11:30 PM  
 Received By: \_\_\_\_\_  
 2. Relinquished By: Shawn Robinson AS 10/13/15 9:50am  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 Organic, Metals & Inorganic Analysis  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_  
 10 5 3 2 1  
 Standard  
 Fuels Hydrocarbon Analysis  
 5 3 1  
 Standard

\*Turnaround request less than standard may incur Rush Charges



December 15, 2015

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On December 10th, 22 samples were received by our laboratory and assigned our laboratory project number EV15120087. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-01
CLIENT SAMPLE ID	MW-6	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/9/2015 11:20:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>3000</b>	130	1	UG/L	12/11/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>320</b>	250	1	UG/L	12/11/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.0</b>	12/11/2015	PAB
TFT	EPA-8021	<b>87.0</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>86.5</b>	12/11/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>63.2</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered diesel and lube oil.  
 Oil range product results biased high due to diesel range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-02
<b>CLIENT SAMPLE ID</b>	MW-7	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/9/2015 12:10:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>85.7</b>	12/11/2015	PAB
TFT	EPA-8021	<b>85.8</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>90.7</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>67.8</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-03
CLIENT SAMPLE ID	MW-8	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/9/2015 10:20:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	440	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	1.2	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	160	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	0.073	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.076	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.23	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	99.3	12/11/2015	PAB
TFT	EPA-8021	96.9	12/11/2015	PAB
C25	NWTPH-DX	93.6	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	65.5	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-04
<b>CLIENT SAMPLE ID</b>	MW-9	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/8/2015 3:33:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>89.7</b>	12/11/2015	PAB
TFT	EPA-8021	<b>87.9</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>87.6</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>71.1</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-05
<b>CLIENT SAMPLE ID</b>	MW-10	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/9/2015 11:35:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>92.1</b>	12/11/2015	PAB
TFT	EPA-8021	<b>88.3</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>91.5</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>65.7</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-06
<b>CLIENT SAMPLE ID</b>	MW-11	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/9/2015 9:55:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>2500</b>	250	5	UG/L	12/13/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	<b>1.5</b>	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	<b>16</b>	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	<b>30</b>	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	<b>440</b>	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>200</b>	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	<b>0.54</b>	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.17</b>	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 5X Dilution	NWTPH-GX	<b>96.1</b>	12/13/2015	PAB
TFT	EPA-8021	<b>91.4</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>104</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>69.0</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-07
CLIENT SAMPLE ID	MW-12	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/9/2015 10:40:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	90.0	12/11/2015	PAB
TFT	EPA-8021	87.9	12/11/2015	PAB
C25	NWTPH-DX	86.6	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	67.8	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-08
<b>CLIENT SAMPLE ID</b>	MW-13	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/9/2015 1:10:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>1100</b>	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	<b>1.2</b>	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	<b>6.8</b>	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	<b>12</b>	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	<b>190</b>	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>330</b>	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	<b>4.8</b>	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.15</b>	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.21</b>	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>90.4</b>	12/11/2015	PAB
TFT	EPA-8021	<b>87.1</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>87.9</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>70.6</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-09
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/8/2015 3:40:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	<b>410</b>	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>89.8</b>	12/11/2015	PAB
TFT	EPA-8021	<b>87.8</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>78.6</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>68.8</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains light oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-10
<b>CLIENT SAMPLE ID</b>	MW-15	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/8/2015 2:01:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>94.6</b>	12/11/2015	PAB
TFT	EPA-8021	<b>88.7</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>88.6</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>72.0</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-11
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/8/2015 12:15:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	150	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	310	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	88.9	12/11/2015	PAB
TFT	EPA-8021	89.5	12/11/2015	PAB
C25	NWTPH-DX	105	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	65.4	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-12
<b>CLIENT SAMPLE ID</b>	MW-17	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/8/2015 10:47:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>170</b>	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	<b>0.65</b>	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.17</b>	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>1.3</b>	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>86.1</b>	12/11/2015	PAB
TFT	EPA-8021	<b>86.5</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>92.6</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>67.1</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-13
CLIENT SAMPLE ID	MW-18	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/8/2015 11:20:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>190</b>	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.1</b>	12/11/2015	PAB
TFT	EPA-8021	<b>85.9</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>105</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>75.2</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-14
CLIENT SAMPLE ID	MW-19	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/8/2015 12:20:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>270</b>	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>85.1</b>	12/11/2015	PAB
TFT	EPA-8021	<b>84.6</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>105</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>68.4</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-15
CLIENT SAMPLE ID	MW-20	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/9/2015 1:10:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	<b>420</b>	130	1	UG/L	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/14/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.084</b>	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>86.6</b>	12/11/2015	PAB
TFT	EPA-8021	<b>83.9</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>111</b>	12/14/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>72.2</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-16
<b>CLIENT SAMPLE ID</b>	MW-21	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/9/2015 12:25:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/11/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/11/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>87.4</b>	12/11/2015	PAB
TFT	EPA-8021	<b>85.0</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>90.3</b>	12/11/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>69.9</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-17
<b>CLIENT SAMPLE ID</b>	MW-22	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/8/2015 2:55:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/11/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/11/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>86.6</b>	12/11/2015	PAB
TFT	EPA-8021	<b>84.5</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>96.2</b>	12/11/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>71.1</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-18
CLIENT SAMPLE ID	MW-23	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/8/2015 1:10:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	1.3	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	670	130	1	UG/L	12/11/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/11/2015	EBS
Naphthalene	EPA-8270 SIM	0.041	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.35	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	87.9	12/11/2015	PAB
TFT	EPA-8021	90.5	12/11/2015	PAB
C25	NWTPH-DX	98.1	12/11/2015	EBS
Terphenyl-d14	EPA-8270 SIM	65.5	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-19
<b>CLIENT SAMPLE ID</b>	MW-24	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/8/2015 2:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/11/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/11/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>82.1</b>	12/11/2015	PAB
TFT	EPA-8021	<b>84.1</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>91.0</b>	12/11/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>70.0</b>	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV15120087-20
CLIENT SAMPLE ID	MW-25	DATE RECEIVED:	12/10/2015
		COLLECTION DATE:	12/8/2015 10:25:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/12/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/12/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/14/2015	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	83.3	12/11/2015	PAB
TFT	EPA-8021	85.1	12/11/2015	PAB
C25	NWTPH-DX	96.8	12/12/2015	EBS
Terphenyl-d14	EPA-8270 SIM	70.7	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-21
<b>CLIENT SAMPLE ID</b>	MW-WES-1	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/9/2015 12:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/12/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/12/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/15/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/15/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/15/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>84.0</b>	12/11/2015	PAB
TFT	EPA-8021	<b>83.4</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>96.3</b>	12/12/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>74.1</b>	12/15/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	12/15/2015
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV15120087
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV15120087-22
<b>CLIENT SAMPLE ID</b>	MW-WES-2	<b>DATE RECEIVED:</b>	12/10/2015
		<b>COLLECTION DATE:</b>	12/9/2015 9:10:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	12/11/2015	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	12/11/2015	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	12/11/2015	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	12/12/2015	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	12/12/2015	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/15/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/15/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	12/15/2015	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>84.7</b>	12/11/2015	PAB
TFT	EPA-8021	<b>84.2</b>	12/11/2015	PAB
C25	NWTPH-DX	<b>95.7</b>	12/12/2015	EBS
Terphenyl-d14	EPA-8270 SIM	<b>77.8</b>	12/15/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc.  
 228 E. Champion St., Suite 101  
 Bellingham, WA 98225

DATE: 12/15/2015  
 ALS SDG#: EV15120087  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris's Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-121015W2 - Batch 99716 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	12/10/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MBG-121015W3 - Batch 99760 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	12/11/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-121015W2 - Batch 99716 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	UG/L	3.0	12/10/2015	PAB
Benzene	EPA-8021	U	UG/L	1.0	12/10/2015	PAB
Toluene	EPA-8021	U	UG/L	1.0	12/10/2015	PAB
Ethylbenzene	EPA-8021	U	UG/L	1.0	12/10/2015	PAB
Xylenes	EPA-8021	U	UG/L	3.0	12/10/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-121015W3 - Batch 99760 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	UG/L	3.0	12/11/2015	PAB
Benzene	EPA-8021	U	UG/L	1.0	12/11/2015	PAB
Toluene	EPA-8021	U	UG/L	1.0	12/11/2015	PAB
Ethylbenzene	EPA-8021	U	UG/L	1.0	12/11/2015	PAB
Xylenes	EPA-8021	U	UG/L	3.0	12/11/2015	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-120415W - Batch 99532 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	12/04/2015	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	12/04/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 12/15/2015  
 228 E. Champion St., Suite 101 ALS SDG#: EV15120087  
 Bellingham, WA 98225 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris's Mini Mart

**LABORATORY BLANK RESULTS**

**MB-121115W - Batch 99783 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	12/14/2015	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	12/14/2015	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-120915W - Batch 99651 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	12/09/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	12/09/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	12/09/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	12/09/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-121115W - Batch 99763 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	12/14/2015	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	12/14/2015	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	12/14/2015	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	12/14/2015	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	12/15/2015
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV15120087
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 99716 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	95.2			12/10/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	96.3	1		12/10/2015	PAB

**ALS Test Batch ID: 99760 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range - BS	NWTPH-GX	81.0			12/11/2015	PAB
TPH-Volatile Range - BSD	NWTPH-GX	83.2	3		12/11/2015	PAB

**ALS Test Batch ID: 99716 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	91.6			12/10/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	92.8	1		12/10/2015	PAB
Benzene - BS	EPA-8021	87.4			12/10/2015	PAB
Benzene - BSD	EPA-8021	89.8	3		12/10/2015	PAB
Toluene - BS	EPA-8021	94.1			12/10/2015	PAB
Toluene - BSD	EPA-8021	95.3	1		12/10/2015	PAB
Ethylbenzene - BS	EPA-8021	97.0			12/10/2015	PAB
Ethylbenzene - BSD	EPA-8021	98.5	2		12/10/2015	PAB
Xylenes - BS	EPA-8021	99.2			12/10/2015	PAB
Xylenes - BSD	EPA-8021	101	1		12/10/2015	PAB

**ALS Test Batch ID: 99760 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether - BS	EPA-8021	90.1			12/11/2015	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	90.5	0		12/11/2015	PAB
Benzene - BS	EPA-8021	85.7			12/11/2015	PAB
Benzene - BSD	EPA-8021	88.1	3		12/11/2015	PAB
Toluene - BS	EPA-8021	92.0			12/11/2015	PAB
Toluene - BSD	EPA-8021	94.0	2		12/11/2015	PAB
Ethylbenzene - BS	EPA-8021	94.6			12/11/2015	PAB
Ethylbenzene - BSD	EPA-8021	95.7	1		12/11/2015	PAB
Xylenes - BS	EPA-8021	96.9			12/11/2015	PAB
Xylenes - BSD	EPA-8021	98.8	2		12/11/2015	PAB



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc.
228 E. Champion St., Suite 101
Bellingham, WA 98225

DATE: 12/15/2015
ALS SDG#: EV15120087
WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman
CLIENT PROJECT: Kris's Mini Mart

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 99532 - Water by NWTPH-DX

Table with 6 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

ALS Test Batch ID: 99783 - Water by NWTPH-DX

Table with 6 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include TPH-Diesel Range - BS and TPH-Diesel Range - BSD.

ALS Test Batch ID: 99651 - Water by EPA-8270 SIM

Table with 6 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include Naphthalene - BS, Naphthalene - BSD, Benzo[G,H,I]Perylene - BS, and Benzo[G,H,I]Perylene - BSD.

ALS Test Batch ID: 99763 - Water by EPA-8270 SIM

Table with 6 columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, ANALYSIS DATE, ANALYSIS BY. Rows include Naphthalene - BS, Naphthalene - BSD, Benzo[G,H,I]Perylene - BS, and Benzo[G,H,I]Perylene - BSD.

APPROVED BY

Handwritten signature of Paul Bagum

Laboratory Director





**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

**EV15120087**

Date 12/4/15 Page 1 Of 3

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED				OTHER (Specify)																						
	NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 (water)	EDB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polyyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5	RCRA-8	Pri Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?		
PROJECT ID: <u>Kriss Mini Mart</u> REPORT TO COMPANY: <u>Whitem Environmental Services</u> PROJECT MANAGER: <u>Harold Cashman</u> ADDRESS: <u>228 E. Champion St #101</u> <u>Bellingham, WA 98225</u> PHONE: <u>360-752-9571</u> FAX: <u>360-752-9573</u> P.O. #: <u></u> E-MAIL: <u>hrcashman@whitem.com</u> INVOICE TO COMPANY: <u>Catony Insurance</u> ATTENTION: <u>c/o Carol Lybeer</u> ADDRESS: <u>Claim # 194567</u>																											
1. MW-6																											
2. MW-7																											
3. MW-8																											
4. MW-9																											
5. MW-10																											
6. MW-11																											
7. MW-12																											
8. MW-13																											
9. MW-14																											
10. MW-15																											

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: [Signature] WES 12/4/15 2:45 PM  
 Received By: [Signature] ALS 12/19/15 11:00  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 5  3  2  1 SAVE DAY

Fuels & Hydrocarbon Analysis  
 5  3  1 SAVE DAY

\*Turnaround request less than standard may incur Rush Charges



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV15120087

Date 12/9/15 Page 2 Of 3

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED		OTHER (Specify)	
	DATE	TIME	TYPE	LAB#
<u>Kriss Mini Mart</u>	<u>12/8/15</u>	<u>12:15</u>	<u>W</u>	<u>11</u>
<u>Whitcomb Environmental Services</u>	<u>12/9/15</u>	<u>10:47</u>	<u>W</u>	<u>12</u>
<u>Harold Cashman</u>	<u>12/9/15</u>	<u>11:20</u>	<u>W</u>	<u>13</u>
<u>228 E. Champion St #101</u>	<u>12/9/15</u>	<u>12:20</u>	<u>W</u>	<u>14</u>
<u>Bellingham, WA 98225</u>	<u>12/9/15</u>	<u>1:10</u>	<u>W</u>	<u>15</u>
<u>Phone: 360-752-9571 Fax: 360-752-9573</u>	<u>12/8/15</u>	<u>12:25</u>	<u>W</u>	<u>16</u>
<u>E-MAIL: hcashman@whitcomb.com</u>	<u>12/8/15</u>	<u>2:55</u>	<u>W</u>	<u>17</u>
<u>Colony Insurance</u>	<u>12/9/15</u>	<u>1:10</u>	<u>W</u>	<u>18</u>
<u>efo David Lybier</u>	<u>12/9/15</u>	<u>2:00</u>	<u>W</u>	<u>19</u>
<u>Claim # 194567</u>	<u>12/9/15</u>	<u>10:25</u>	<u>W</u>	<u>20</u>

ANALYSIS REQUESTED	OTHER (Specify)
NMTPH-HCID	X
NMTPH-DX	X
NMTPH-GX	X
BTEX by EPA-8021	X
MTBE by EPA-8021	X
EPA-8260	X
Halogenated Volatiles by EPA 8260	X
Volatile Organic Compounds by EPA 8260	X
EDB / EDC by EPA 8260 SIM (water)	X
EDB / EDC by EPA 8260 (soil)	X
Semi-volatile Organic Compounds by EPA 8270	X
Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	X
PCB Pesticides by EPA 8081/8082	X
Metals-MTCA-5	X
RCRA-8	X
Pb Pol	X
TAL	X
Metals-Other (Specify)	X
TCLP-Metals	X
VOA	X
Semi-Vol	X
Pest	X
Herbs	X
RECEIVED IN GOOD CONDITION?	X
NUMBER OF CONTAINERS	4

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: Robert Ryan Wiles, 12/9/15, 2:45 PM  
 Received By: [Signature]  
 2. Relinquished By: [Signature]  
 Received By: [Signature]

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 1  2  3  4  5  
 FUELS & HYDROCARBON ANALYSIS  
 1  2  3  4  5

\*Turnaround request less than standard may incur Rush Charges



**ALS Environmental**  
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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

**EV15120087**

Date **12/9/15** Page **3** of **3**

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED				OTHER (Specify)												
	NMTRH-HCID	NMTRH-DX	NMTRH-GX	BTEX by EPA-8021	MTBE by EPA-8021 <input checked="" type="checkbox"/> EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/>	PCB <input type="checkbox"/> Pesticides <input type="checkbox"/> by EPA 8081/8082	Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pt <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify)	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
PROJECT ID: <b>Kriss Mini Mart</b> REPORT TO COMPANY: <b>Whitcomb Environmental Services</b> PROJECT MANAGER: <b>Norald Cushman</b> ADDRESS: <b>279 E Champion St #101 Bellingham WA 98225</b> PHONE: <b>360 752-9571</b> FAX: <b>360 752-9573</b> P.O. #: <b>E-MAIL: <a href="mailto:n.cushman@whitcomb.com">n.cushman@whitcomb.com</a></b> INVOICE TO COMPANY: <b>Cotony Insurance</b> ATTENTION: <b>elo Carol Lybeer</b> ADDRESS: <b>Claims # 194567</b>																	
1. MW-WES-1					X											4	
2. MW-WES-2					X											4	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: *Julie Ryan, WES, 12/9/15, 2:45 PM*  
 Received By: *Julie Ryan, ALS 12/10/15 11:00*  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 5  3  2  1  
 SAME DAY

Fuels & Hydrocarbon Analysis  
 5  3  1  
 SAME DAY

\*Turnaround request less than standard may incur Rush Charges



March 4, 2016

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On February 12th, 22 samples were received by our laboratory and assigned our laboratory project number EV16020095. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16020095-01
CLIENT SAMPLE ID	MW-6	DATE RECEIVED:	02/12/2016
		COLLECTION DATE:	2/9/2016 11:20:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>11000</b>	260	2	UG/L	02/19/2016	EBS
TPH-Oil Range	NWTPH-DX	U	500	2	UG/L	02/19/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>91.7</b>	02/15/2016	PAB
TFT	EPA-8021	<b>90.7</b>	02/15/2016	PAB
C25 2X Dilution	NWTPH-DX	<b>99.1</b>	02/19/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>98.6</b>	02/15/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16020095-02
CLIENT SAMPLE ID	MW-7	DATE RECEIVED:	02/12/2016
		COLLECTION DATE:	2/9/2016 10:30:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	540	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	400	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	93.8	02/15/2016	PAB
TFT	EPA-8021	95.0	02/15/2016	PAB
C25	NWTPH-DX	88.2	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	101	02/15/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains weathered diesel and lube oil.  
 Oil range product results biased high due to diesel range product overlap.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-03
<b>CLIENT SAMPLE ID</b>	MW-8	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/9/2016 3:15:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>5500</b>	250	5	UG/L	02/16/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	15	5	UG/L	02/16/2016	PAB
Benzene	EPA-8021	<b>6.2</b>	5.0	5	UG/L	02/16/2016	PAB
Toluene	EPA-8021	U	5.0	5	UG/L	02/16/2016	PAB
Ethylbenzene	EPA-8021	<b>24</b>	5.0	5	UG/L	02/16/2016	PAB
Xylenes	EPA-8021	<b>100</b>	15	5	UG/L	02/16/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>300</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	<b>5.6</b>	0.020	1	UG/L	02/15/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>5.1</b>	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>5.8</b>	0.020	1	UG/L	02/15/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 5X Dilution	NWTPH-GX	<b>101</b>	02/16/2016	PAB
TFT 5X Dilution	EPA-8021	<b>115</b>	02/16/2016	PAB
C25	NWTPH-DX	<b>84.7</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>111</b>	02/15/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16020095-04
CLIENT SAMPLE ID:	MW-9	DATE RECEIVED:	02/12/2016
		COLLECTION DATE:	2/9/2016 4:15:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	1400	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	6.5	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	38	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	0.73	0.020	1	UG/L	02/15/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	6.3	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	3.7	0.020	1	UG/L	02/15/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	103	02/15/2016	PAB
TFT	EPA-8021	99.4	02/15/2016	PAB
C25	NWTPH-DX	86.8	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	111	02/15/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-05
<b>CLIENT SAMPLE ID</b>	MW-10	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 3:20:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	7700	500	10	UG/L	02/16/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	30	10	UG/L	02/16/2016	PAB
Benzene	EPA-8021	U	10	10	UG/L	02/16/2016	PAB
Toluene	EPA-8021	320	10	10	UG/L	02/16/2016	PAB
Ethylbenzene	EPA-8021	120	10	10	UG/L	02/16/2016	PAB
Xylenes	EPA-8021	1100	30	10	UG/L	02/16/2016	PAB
TPH-Diesel Range	NWTPH-DX	900	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	34	0.20	10	UG/L	02/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	8.1	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	6.3	0.020	1	UG/L	02/15/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 10X Dilution	NWTPH-GX	93.7	02/16/2016	PAB
TFT 10X Dilution	EPA-8021	99.6	02/16/2016	PAB
C25	NWTPH-DX	87.8	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	102	02/15/2016	GAP
Terphenyl-d14 10X Dilution	EPA-8270 SIM	128	02/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-06
<b>CLIENT SAMPLE ID</b>	MW-11	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/11/2016 11:20:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>29000</b>	2500	50	UG/L	02/16/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	150	50	UG/L	02/16/2016	PAB
Benzene	EPA-8021	U	50	50	UG/L	02/16/2016	PAB
Toluene	EPA-8021	<b>420</b>	50	50	UG/L	02/16/2016	PAB
Ethylbenzene	EPA-8021	<b>320</b>	50	50	UG/L	02/16/2016	PAB
Xylenes	EPA-8021	<b>5400</b>	150	50	UG/L	02/16/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>2200</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	<b>56</b>	0.20	10	UG/L	02/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>12</b>	0.20	10	UG/L	02/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>8.3</b>	0.020	1	UG/L	02/15/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 50X Dilution	NWTPH-GX	<b>91.5</b>	02/16/2016	PAB
TFT 50X Dilution	EPA-8021	<b>99.0</b>	02/16/2016	PAB
C25	NWTPH-DX	<b>84.6</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>101</b>	02/15/2016	GAP
Terphenyl-d14 10X Dilution	EPA-8270 SIM	<b>130</b>	02/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-07
<b>CLIENT SAMPLE ID</b>	MW-12	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/11/2016 10:25:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>5300</b>	250	5	UG/L	02/16/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	15	5	UG/L	02/16/2016	PAB
Benzene	EPA-8021	U	5.0	5	UG/L	02/16/2016	PAB
Toluene	EPA-8021	<b>40</b>	5.0	5	UG/L	02/16/2016	PAB
Ethylbenzene	EPA-8021	<b>44</b>	5.0	5	UG/L	02/16/2016	PAB
Xylenes	EPA-8021	<b>830</b>	15	5	UG/L	02/16/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>2800</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	<b>1.0</b>	0.020	1	UG/L	02/15/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.066</b>	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.17</b>	0.020	1	UG/L	02/15/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT 5X Dilution	NWTPH-GX	<b>97.2</b>	02/16/2016	PAB
TFT 5X Dilution	EPA-8021	<b>103</b>	02/16/2016	PAB
C25	NWTPH-DX	<b>86.0</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>100</b>	02/15/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-08
<b>CLIENT SAMPLE ID</b>	MW-13	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 1:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>340</b>	50	1	UG/L	02/17/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/17/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/17/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/17/2016	PAB
Ethylbenzene	EPA-8021	<b>2.3</b>	1.0	1	UG/L	02/17/2016	PAB
Xylenes	EPA-8021	<b>7.6</b>	3.0	1	UG/L	02/17/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	<b>0.32</b>	0.020	1	UG/L	02/15/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.039</b>	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.11</b>	0.020	1	UG/L	02/15/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>93.1</b>	02/17/2016	PAB
TFT	EPA-8021	<b>103</b>	02/17/2016	PAB
C25	NWTPH-DX	<b>75.4</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>108</b>	02/15/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-09
<b>CLIENT SAMPLE ID</b>	MW-14	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 12:40:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>54</b>	50	1	UG/L	02/17/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/17/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/17/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/17/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/17/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/17/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>380</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	<b>640</b>	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/15/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>94.5</b>	02/17/2016	PAB
TFT	EPA-8021	<b>101</b>	02/17/2016	PAB
C25	NWTPH-DX	<b>89.3</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>105</b>	02/15/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and light oil/lube oil.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-10
<b>CLIENT SAMPLE ID</b>	MW-15	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/9/2016 2:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>91.9</b>	02/15/2016	PAB
TFT	EPA-8021	<b>90.9</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>86.8</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>95.3</b>	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-11
<b>CLIENT SAMPLE ID</b>	MW-16	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/11/2016 9:25:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>91.0</b>	02/15/2016	PAB
TFT	EPA-8021	<b>91.0</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>106</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>105</b>	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16020095-12
CLIENT SAMPLE ID	MW-17	DATE RECEIVED:	02/12/2016
		COLLECTION DATE:	2/9/2016 12:15:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	69	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	240	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.49	0.020	1	UG/L	02/16/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	93.1	02/15/2016	PAB
TFT	EPA-8021	93.7	02/15/2016	PAB
C25	NWTPH-DX	105	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	113	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and weathered diesel.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16020095-13
CLIENT SAMPLE ID	MW-18	DATE RECEIVED:	02/12/2016
		COLLECTION DATE:	2/9/2016 2:10:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>240</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	<b>0.059</b>	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>0.047</b>	0.020	1	UG/L	02/16/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>91.5</b>	02/15/2016	PAB
TFT	EPA-8021	<b>92.4</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>116</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>103</b>	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16020095-14
CLIENT SAMPLE ID	MW-19	DATE RECEIVED:	02/12/2016
		COLLECTION DATE:	2/9/2016 3:05:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	230	50	1	UG/L	02/11/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/11/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/11/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/11/2016	PAB
Ethylbenzene	EPA-8021	2.1	1.0	1	UG/L	02/11/2016	PAB
Xylenes	EPA-8021	16	3.0	1	UG/L	02/11/2016	PAB
TPH-Diesel Range	NWTPH-DX	750	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	0.86	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.054	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.13	0.020	1	UG/L	02/16/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	91.9	02/11/2016	PAB
TFT	EPA-8021	92.8	02/11/2016	PAB
C25	NWTPH-DX	115	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	93.3	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-15
<b>CLIENT SAMPLE ID</b>	MW-20	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 11:35:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>93.6</b>	02/15/2016	PAB
TFT	EPA-8021	<b>92.4</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>109</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>109</b>	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-16
<b>CLIENT SAMPLE ID</b>	MW-22	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 2:25:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>88.6</b>	02/15/2016	PAB
TFT	EPA-8021	<b>93.8</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>113</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>100</b>	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-17
<b>CLIENT SAMPLE ID</b>	MW-21	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/9/2016 1:05:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/16/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>94.7</b>	02/15/2016	PAB
TFT	EPA-8021	<b>91.8</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>104</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>109</b>	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-18
<b>CLIENT SAMPLE ID</b>	MW-23	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 9:50:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>290</b>	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	<b>4.7</b>	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	<b>1.8</b>	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>2300</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	<b>360</b>	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	<b>6.5</b>	0.020	1	UG/L	02/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.24</b>	0.020	1	UG/L	02/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>2.4</b>	0.020	1	UG/L	02/18/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>99.1</b>	02/15/2016	PAB
TFT	EPA-8021	<b>95.6</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>104</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>124</b>	02/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16020095-19
CLIENT SAMPLE ID	MW-24	DATE RECEIVED:	02/12/2016
		COLLECTION DATE:	2/10/2016 10:45:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>210</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>87.9</b>	02/15/2016	PAB
TFT	EPA-8021	<b>87.4</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>102</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>133</b>	02/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-20
<b>CLIENT SAMPLE ID</b>	MW-25	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/9/2016 4:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>90.6</b>	02/15/2016	PAB
TFT	EPA-8021	<b>92.9</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>108</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>137</b>	02/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-21
<b>CLIENT SAMPLE ID</b>	MW-WES-1	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 10:10:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	<b>280</b>	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	<b>4.6</b>	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	<b>1.6</b>	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>2500</b>	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	<b>390</b>	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	<b>5.5</b>	0.020	1	UG/L	02/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>0.15</b>	0.020	1	UG/L	02/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>2.0</b>	0.020	1	UG/L	02/18/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>95.9</b>	02/15/2016	PAB
TFT	EPA-8021	<b>93.6</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>105</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>127</b>	02/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and an unidentified oil range product.  
 Oil range product results biased high due to diesel range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	3/4/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16020095
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16020095-22
<b>CLIENT SAMPLE ID</b>	MW-WES-2	<b>DATE RECEIVED:</b>	02/12/2016
		<b>COLLECTION DATE:</b>	2/10/2016 9:15:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	02/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	02/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	02/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	02/18/2016	EBS
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	02/18/2016	GAP

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>97.0</b>	02/15/2016	PAB
TFT	EPA-8021	<b>95.1</b>	02/15/2016	PAB
C25	NWTPH-DX	<b>97.5</b>	02/18/2016	EBS
Terphenyl-d14	EPA-8270 SIM	<b>145</b>	02/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT: Whatcom Environmental Svcs., Inc.  
 228 E. Champion St., Suite 101  
 Bellingham, WA 98225

DATE: 3/4/2016  
 ALS SDG#: EV16020095  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Harold Cashman  
 CLIENT PROJECT: Kris's Mini Mart

**LABORATORY BLANK RESULTS**

**MBG-021416W - Batch 101389 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	02/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MBG-021416W2 - Batch 101457 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	02/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-021416W - Batch 101389 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	UG/L	3.0	02/14/2016	PAB
Benzene	EPA-8021	U	UG/L	1.0	02/14/2016	PAB
Toluene	EPA-8021	U	UG/L	1.0	02/14/2016	PAB
Ethylbenzene	EPA-8021	U	UG/L	1.0	02/14/2016	PAB
Xylenes	EPA-8021	U	UG/L	3.0	02/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-021416W2 - Batch 101457 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	UG/L	3.0	02/14/2016	PAB
Benzene	EPA-8021	U	UG/L	1.0	02/14/2016	PAB
Toluene	EPA-8021	U	UG/L	1.0	02/14/2016	PAB
Ethylbenzene	EPA-8021	U	UG/L	1.0	02/14/2016	PAB
Xylenes	EPA-8021	U	UG/L	3.0	02/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-021716W - Batch 101502 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	02/17/2016	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	02/17/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MB-021816W - Batch 101573 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	02/18/2016	EBS
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	02/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	02/18/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-020916W - Batch 101291 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	02/09/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	02/09/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	02/09/2016	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	02/09/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-021516W - Batch 101463 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	02/16/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	02/16/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	02/16/2016	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	02/16/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 101389 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	74.7			66.5	122.7	02/14/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	79.3	6		66.5	122.7	02/14/2016	PAB

**ALS Test Batch ID: 101457 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	75.8			66.5	122.7	02/14/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	78.7	4		66.5	122.7	02/14/2016	PAB

**ALS Test Batch ID: 101389 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Methyl T-Butyl Ether - BS	EPA-8021	96.3			69.2	133	02/14/2016	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	101	5		69.2	133	02/14/2016	PAB
Benzene - BS	EPA-8021	98.4			83	120	02/14/2016	PAB
Benzene - BSD	EPA-8021	102	4		83	120	02/14/2016	PAB
Toluene - BS	EPA-8021	97.5			85	115	02/14/2016	PAB
Toluene - BSD	EPA-8021	102	4		85	115	02/14/2016	PAB
Ethylbenzene - BS	EPA-8021	97.8			85	113	02/14/2016	PAB
Ethylbenzene - BSD	EPA-8021	101	3		85	113	02/14/2016	PAB
Xylenes - BS	EPA-8021	101			85	116	02/14/2016	PAB
Xylenes - BSD	EPA-8021	106	4		85	116	02/14/2016	PAB

**ALS Test Batch ID: 101457 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Methyl T-Butyl Ether - BS	EPA-8021	99.2			69.2	133	02/14/2016	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	94.0	5		69.2	133	02/14/2016	PAB
Benzene - BS	EPA-8021	98.1			83	120	02/14/2016	PAB
Benzene - BSD	EPA-8021	101	3		83	120	02/14/2016	PAB
Toluene - BS	EPA-8021	97.9			85	115	02/14/2016	PAB
Toluene - BSD	EPA-8021	101	3		85	115	02/14/2016	PAB
Ethylbenzene - BS	EPA-8021	97.9			85	113	02/14/2016	PAB
Ethylbenzene - BSD	EPA-8021	102	4		85	113	02/14/2016	PAB
Xylenes - BS	EPA-8021	100			85	116	02/14/2016	PAB
Xylenes - BSD	EPA-8021	105	5		85	116	02/14/2016	PAB



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	3/4/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16020095
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 101502 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	98.7			67	125.2	02/17/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	95.0	4		67	125.2	02/17/2016	EBS

**ALS Test Batch ID: 101573 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	83.6			67	125.2	02/18/2016	EBS
TPH-Diesel Range - BS	NWTPH-DX	83.6			67	125.2	02/18/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	84.3	1		67	125.2	02/18/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	84.3	1		67	125.2	02/18/2016	EBS

**ALS Test Batch ID: 101291 - Water by EPA-8270 SIM**

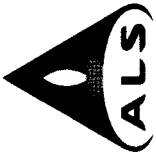
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	43.6			36	118	02/09/2016	GAP
Naphthalene - BSD	EPA-8270 SIM	36.7	17		36	118	02/09/2016	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	56.5			43	140	02/09/2016	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	58.3	3		43	140	02/09/2016	GAP

**ALS Test Batch ID: 101463 - Water by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	51.4			36	118	02/16/2016	GAP
Naphthalene - BSD	EPA-8270 SIM	43.8	16		36	118	02/16/2016	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	85.8			43	140	02/16/2016	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	84.2	2		43	140	02/16/2016	GAP

APPROVED BY

Laboratory Director



**ALS Environmental**  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EX/602009S

Date 2/11/16 Page 1 Of 3

PROJECT ID: REPORT TO COMPANY: PROJECT MANAGER: ADDRESS: PHONE: P.O. #: INVOICE TO COMPANY: ATTENTION: ADDRESS:	ANALYSIS REQUESTED										OTHER (Specify)									
	NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTEX by EPA-8021	MTBE by EPA-8021	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EB / EDC by EPA 8260 SIM (water)	EB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RORA-8 Ph Pol TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Past Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?			
PROJECT ID: <u>Kriss Mini Mart</u> REPORT TO: <u>Whatcom Environmental Services</u> COMPANY: <u>Harold Cashman</u> PROJECT MANAGER: ADDRESS: <u>220 E. Champion St #101</u> <u>Bellingham, WA 98225</u> PHONE: <u>360-752-9571</u> FAX: <u>360-752-9573</u> P.O. #: INVOICE TO: <u>Colony Insurance</u> COMPANY: <u>c/o Chad Lyber</u> ATTENTION: ADDRESS: <u>Claim # 144567</u>																				
	1. MW-6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	2. MW-7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	3. MW-8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	4. MW-9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	5. MW-10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	6. MW-11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	7. MW-12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	8. MW-13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	9. MW-14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
	10. MW-15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			

**SPECIAL INSTRUCTIONS**

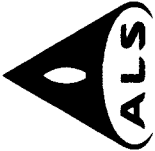
SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: John Ryan, WRS, 2/11/16, 1PM  
 Received By: \_\_\_\_\_  
 2. Relinquished By: Shawn Robinson AS 2/12/16 10:30a  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 1  2  3  4  5  10  SAME DAY

Fuels & Hydrocarbon Analysis  
 1  2  3  5  10  SAME DAY

\*Turnaround request less than standard may incur Rush Charges



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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV16020095

Date 2/11/16 Page 2 of 3

PROJECT ID: Kriss Mini Mart  
 REPORT TO COMPANY: Wharton Environmental Services  
 PROJECT MANAGER: Harold Cashman  
 ADDRESS: 228 E. Champion St #101  
Bellingham, WA 98225  
 PHONE: 360-752-9571 FAX: 360-752-9573  
 P.O. #: \_\_\_\_\_ E-MAIL: kriss@whartonenv.com  
 INVOICE TO COMPANY: Colony Insurance  
 ATTENTION: efo Carol Lybeer  
 ADDRESS: \_\_\_\_\_

CLAIM # 194567

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	NWTRH-HCID	NWTRH-DX	NWTRH-GX	BTEX by EPA-8021	MTBE by EPA-8021	EPA-8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 (water)	EDB / EDC by EPA 8260 (soil)	Semi-volatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB Pesticides by EPA 8081/8082	Metals-MTCA-5 RCPA-8 Pri Pol TAL	Metals Other (Specify)	TCLP-Metals VOA Semi-Vol Pest Herbs	OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-16	2/11/16	9:25	water	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
2. MW-17	2/11/16	12:15		12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
3. MW-18	↓	2:10		13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
4. MW-19	↓	3:05		14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
5. MW-20	2/10/16	11:35		15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
6. MW-21	2/10/16	2:25		16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
7. MW-22	2/9/16	1:05		17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
8. MW-23	2/10/16	9:50		18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
9. MW-24	2/10/16	10:45		19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	
10. MW-25	2/9/16	4:00		20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	

SPECIAL INSTRUCTIONS 2/16/16 - Changed sample IDs on #16 + #17 per Harold/Aimee. sm

SIGNATURES (Name, Date, Time):

1. Relinquished By: Shawn Robinson, WES, 2/11/16, 1 PM  
 Received By: \_\_\_\_\_  
 2. Relinquished By: \_\_\_\_\_  
 Received By: Shawn Robinson, AU, 2/12/16, 10:30am

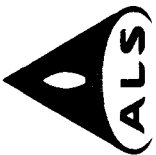
TURNAROUND REQUESTED in Business Days\*  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

Organic, Metals & Inorganic Analysis  
 10  5  3  2  1  
SAVE DAY

Fuels & Hydrocarbon Analysis  
 5  3  1  
SAVE DAY

\*Turnaround request less than standard may incur Rush Charges





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# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV16020095

Date 2/11/16 Page 3 of 3

PROJECT ID:	Kris's Mini Mart									
REPORT TO COMPANY:	Whitson Environmental Services									
PROJECT MANAGER:	Harold Cashman									
ADDRESS:	270 E. Champion St #101 Bellingham, WA 98225									
PHONE:	360-753-9571 FAX: 360-752-9573									
P.O. #:	E-MAIL: hrcashman@whitson.com									
INVOICE TO COMPANY:	Cotony Insurance									
ATTENTION:	c/o Cabot Lybrec									
ADDRESS:	Claim # 194567									
	SAMPLE I.D.	DATE	TIME	TYPE	LAB#		ANALYSIS REQUESTED		OTHER (Specify)	
1.	MW-WES-1	2/10/16	10:10	water	21		<input checked="" type="checkbox"/> NWTPH-HCID <input checked="" type="checkbox"/> NWTPH-DX <input checked="" type="checkbox"/> NWTPH-GX <input checked="" type="checkbox"/> BTEX by EPA-8021 <input checked="" type="checkbox"/> MTBE by EPA-8021 <input checked="" type="checkbox"/> EPA-8260			
2.	MW-WES-2	2/10/16	9:15	water	22		<input checked="" type="checkbox"/> Volatile Organic Compounds by EPA 8260 <input checked="" type="checkbox"/> EDB / EDC by EPA 8260 (water) <input checked="" type="checkbox"/> EDB / EDC by EPA 8260 (soil) <input checked="" type="checkbox"/> Semivolatile Organic Compounds by EPA 8270 <input checked="" type="checkbox"/> Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM <input type="checkbox"/> PCB Pesticides by EPA 8081/8082 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Ph Pol <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) <input type="checkbox"/> TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs	XX Alcohols		4
3.										
4.										
5.										
6.										
7.										
8.										
9.										
10.										

**SPECIAL INSTRUCTIONS**

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: John Ryan, WES, 2/11/16, 1 PM  
 Received By: \_\_\_\_\_  
 2. Relinquished By: \_\_\_\_\_  
 Received By: Shawn Coburn ASU 2/12/16 8:30

**TURNAROUND REQUESTED IN BUSINESS DAYS\***  
OTHER:

10  
Standard

5  
Standard

3

1

1  
SAME DAY

Organic, Metals & Inorganic Analysis  
 Volatile Organic Compounds & Hydrocarbon Analysis

\*Turnaround request less than standard may incur Rush Charges



July 21, 2016

Mr. Harold Cashman  
Whatcom Environmental Svcs., Inc.  
228 E. Champion St., Suite 101  
Bellingham, WA 98225

Dear Mr. Cashman,

On July 14th, 28 samples were received by our laboratory and assigned our laboratory project number EV16070068. The project was identified as your Kris's Mini Mart. The sample identification and requested analyses are outlined on the attached chain of custody record.

No abnormalities or nonconformances were observed during the analyses of the project samples.

Please do not hesitate to call me if you have any questions or if I can be of further assistance.

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-01
CLIENT SAMPLE ID	MW-6	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/13/2016 1:35:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/14/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/14/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/14/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/14/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/14/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/14/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>3800</b>	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	<b>920</b>	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/18/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	<b>88.9</b>	07/14/2016	PAB
TFT	EPA-8021	<b>90.7</b>	07/14/2016	PAB
C25	NWTPH-DX	<b>104</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>98.9</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>77.1</b>	07/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains an unidentified diesel range product and an unidentified oil range product.  
 Oil range product results biased high due to diesel range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-02
<b>CLIENT SAMPLE ID</b>	MW-7	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 2:35:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	150	50	1	UG/L	07/14/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/14/2016	PAB
Benzene	EPA-8021	1.2	1.0	1	UG/L	07/14/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/14/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/14/2016	PAB
Xylenes	EPA-8021	30	3.0	1	UG/L	07/14/2016	PAB
TPH-Diesel Range	NWTPH-DX	570	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	290	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	0.34	0.020	1	UG/L	07/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.036	0.020	1	UG/L	07/18/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	89.2	07/14/2016	PAB
TFT	EPA-8021	92.8	07/14/2016	PAB
C25	NWTPH-DX	112	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	96.5	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	101	07/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains highly weathered gasoline, weathered diesel and an unidentified oil range product.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-03
<b>CLIENT SAMPLE ID</b>	MW-8	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 9:00:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	710	50	1	UG/L	07/14/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/14/2016	PAB
Benzene	EPA-8021	1.8	1.0	1	UG/L	07/14/2016	PAB
Toluene	EPA-8021	2.3	1.0	1	UG/L	07/14/2016	PAB
Ethylbenzene	EPA-8021	1.5	1.0	1	UG/L	07/14/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/14/2016	PAB
TPH-Diesel Range	NWTPH-DX	340	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	0.67	0.020	1	UG/L	07/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	4.5	0.020	1	UG/L	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	6.0	0.020	1	UG/L	07/18/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	108	07/14/2016	PAB
TFT	EPA-8021	111	07/14/2016	PAB
C25	NWTPH-DX	111	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	106	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	81.5	07/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-04
<b>CLIENT SAMPLE ID</b>	MW-9	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 10:00:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	3200	100	2	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	6.0	2	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	2.0	2	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	2.0	2	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	12	2.0	2	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	61	6.0	2	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	360	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	3.6	0.020	1	UG/L	07/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	21	0.20	10	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	16	0.20	10	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT 2X Dilution	NWTPH-GX	117	07/15/2016	PAB
TFT 2X Dilution	EPA-8021	118	07/15/2016	PAB
C25	NWTPH-DX	108	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	115	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	97.0	07/18/2016	GAP
Terphenyl-d14 10X Dilution	EPA-8270 SIM	85.5	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-05
<b>CLIENT SAMPLE ID</b>	MW-10	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 1:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	14000	500	10	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	30	10	UG/L	07/15/2016	PAB
Benzene	EPA-8021	11	10	10	UG/L	07/15/2016	PAB
Toluene	EPA-8021	520	10	10	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	210	10	10	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	1800	30	10	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	560	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	49	0.20	10	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	16	0.20	10	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	13	0.20	10	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT 10X Dilution	NWTPH-GX	101	07/15/2016	PAB
TFT 10X Dilution	EPA-8021	99.9	07/15/2016	PAB
C25	NWTPH-DX	112	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	94.9	07/16/2016	DLC
Terphenyl-d14 10X Dilution	EPA-8270 SIM	99.7	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains lightly weathered gasoline and weathered diesel.  
 Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-06
<b>CLIENT SAMPLE ID</b>	MW-11	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 12:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	<b>53000</b>	2500	50	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	150	50	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	50	50	UG/L	07/15/2016	PAB
Toluene	EPA-8021	<b>310</b>	50	50	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	<b>890</b>	50	50	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	<b>9800</b>	150	50	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>1600</b>	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	<b>16</b>	0.20	10	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>3.4</b>	0.020	1	UG/L	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>2.4</b>	0.020	1	UG/L	07/18/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT 50X Dilution	NWTPH-GX	<b>99.2</b>	07/15/2016	PAB
TFT 50X Dilution	EPA-8021	<b>97.7</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>108</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>103</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>95.9</b>	07/18/2016	GAP
Terphenyl-d14 10X Dilution	EPA-8270 SIM	<b>86.2</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.  
 Diesel range product results biased high due to gasoline range product overlap.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-07
<b>CLIENT SAMPLE ID</b>	MW-12	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 11:30:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	<b>25000</b>	1000	20	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	60	20	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	20	20	UG/L	07/15/2016	PAB
Toluene	EPA-8021	<b>88</b>	20	20	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	<b>190</b>	20	20	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	<b>3500</b>	60	20	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>1500</b>	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	<b>300</b>	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	<b>31</b>	0.20	10	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	<b>3.4</b>	0.020	1	UG/L	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	<b>4.8</b>	0.020	1	UG/L	07/18/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT 20X Dilution	NWTPH-GX	<b>98.8</b>	07/15/2016	PAB
TFT 20X Dilution	EPA-8021	<b>96.3</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>112</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>85.1</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>105</b>	07/18/2016	GAP
Terphenyl-d14 10X Dilution	EPA-8270 SIM	<b>97.0</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

Chromatogram indicates that it is likely that sample contains highly weathered gasoline, an unidentified diesel range product and an unidentified oil range product.

Diesel range product results biased high due to gasoline range product overlap.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-08
<b>CLIENT SAMPLE ID</b>	MW-13	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/14/2016 11:40:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	1300	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	1.2	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	7.1	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	12	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	170	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	3.0	0.020	1	UG/L	07/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.60	0.020	1	UG/L	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.50	0.020	1	UG/L	07/18/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	94.3	07/15/2016	PAB
TFT	EPA-8021	93.6	07/15/2016	PAB
C25	NWTPH-DX	109	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	90.8	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	129	07/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered gasoline.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-09
CLIENT SAMPLE ID	MW-14	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/14/2016 9:45:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>160</b>	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	<b>270</b>	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/18/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>90.1</b>	07/15/2016	PAB
TFT	EPA-8021	<b>91.5</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>110</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>92.2</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>110</b>	07/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel and an unidentified oil range product.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-10
<b>CLIENT SAMPLE ID</b>	MW-15	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/12/2016 2:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>94.1</b>	07/15/2016	PAB
TFT	EPA-8021	<b>91.4</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>103</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>102</b>	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>103</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-11
CLIENT SAMPLE ID	MW-16	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/12/2016 3:30:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	0.021	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	89.8	07/15/2016	PAB
TFT	EPA-8021	90.1	07/15/2016	PAB
C25	NWTPH-DX	96.4	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	103	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	108	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-12
CLIENT SAMPLE ID	MW-17	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/13/2016 12:25:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	300	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	0.075	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	0.62	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.18	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	1.9	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	86.4	07/15/2016	PAB
TFT	EPA-8021	88.7	07/15/2016	PAB
C25	NWTPH-DX	98.6	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	99.7	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	115	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-13
CLIENT SAMPLE ID	MW-18	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/13/2016 9:25:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	570	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	0.049	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	0.11	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	87.7	07/15/2016	PAB
TFT	EPA-8021	91.5	07/15/2016	PAB
C25	NWTPH-DX	97.5	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	100	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	102	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-14
<b>CLIENT SAMPLE ID</b>	MW-19	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/12/2016 3:25:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	310	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	1.1	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	790	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	350	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	0.18	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.22	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	101	07/15/2016	PAB
TFT	EPA-8021	105	07/15/2016	PAB
C25	NWTPH-DX	91.5	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	106	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	90.4	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline, an unidentified diesel range product and an unidentified oil range product.  
 Oil range product results biased high due to diesel range product overlap.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-15
CLIENT SAMPLE ID	MW-20	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/12/2016 2:30:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>170</b>	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>93.6</b>	07/15/2016	PAB
TFT	EPA-8021	<b>95.5</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>91.1</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>95.2</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>87.3</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-16
CLIENT SAMPLE ID	MW-21	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/13/2016 10:25:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	0.023	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	99.7	07/15/2016	PAB
TFT	EPA-8021	101	07/15/2016	PAB
C25	NWTPH-DX	94.2	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	101	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	109	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-17
<b>CLIENT SAMPLE ID</b>	MW-22	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 2:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>98.3</b>	07/15/2016	PAB
TFT	EPA-8021	<b>97.9</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>91.1</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>103</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>94.9</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-18
<b>CLIENT SAMPLE ID</b>	MW-23	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/12/2016 11:45:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	130	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	1.2	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	500	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	0.021	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	0.29	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	0.57	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	100	07/15/2016	PAB
TFT	EPA-8021	102	07/15/2016	PAB
C25	NWTPH-DX	92.0	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	106	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	111	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
 Chromatogram indicates that it is likely that sample contains highly weathered gasoline and an unidentified diesel range product.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-19
CLIENT SAMPLE ID	MW-24	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/12/2016 12:40:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	<b>280</b>	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	<b>0.041</b>	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>97.5</b>	07/15/2016	PAB
TFT	EPA-8021	<b>100</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>92.5</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>101</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>101</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-20
CLIENT SAMPLE ID	MW-25	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/12/2016 1:35:00 PM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	<b>0.036</b>	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>94.2</b>	07/15/2016	PAB
TFT	EPA-8021	<b>101</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>89.9</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>99.0</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>106</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-21
<b>CLIENT SAMPLE ID</b>	MW-26	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 11:25:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	64	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	420	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	0.022	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	0.029	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	97.3	07/15/2016	PAB
TFT	EPA-8021	99.4	07/15/2016	PAB
C25	NWTPH-DX	101	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	101	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	87.6	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains an unidentified gasoline range product and weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-22
<b>CLIENT SAMPLE ID</b>	MW-27	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/12/2016 1:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>92.6</b>	07/15/2016	PAB
TFT	EPA-8021	<b>93.6</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>112</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>103</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>96.8</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-23
<b>CLIENT SAMPLE ID</b>	MW-28	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/14/2016 10:40:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/16/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>99.3</b>	07/15/2016	PAB
TFT	EPA-8021	<b>98.4</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>109</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>100</b>	07/16/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>96.8</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	ALS SAMPLE#:	EV16070068-24
CLIENT SAMPLE ID	MW-29	DATE RECEIVED:	07/14/2016
		COLLECTION DATE:	7/12/2016 10:45:00 AM
		WDOE ACCREDITATION:	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	<b>0.021</b>	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	<b>99.0</b>	07/15/2016	PAB
TFT	EPA-8021	<b>97.4</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>106</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>101</b>	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>95.8</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-25
<b>CLIENT SAMPLE ID</b>	MW-30	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/12/2016 9:50:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/15/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>95.5</b>	07/15/2016	PAB
TFT	EPA-8021	<b>97.8</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>109</b>	07/15/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>100</b>	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>96.3</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-26
<b>CLIENT SAMPLE ID</b>	MW-WES-1	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/13/2016 1:00:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	69	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	300	130	1	UG/L	07/16/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/16/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	0.066	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	0.64	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	0.15	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	1.9	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

SURROGATE	METHOD	%REC	ANALYSIS	ANALYSIS
			DATE	BY
TFT	NWTPH-GX	97.7	07/15/2016	PAB
TFT	EPA-8021	97.7	07/15/2016	PAB
C25	NWTPH-DX	110	07/16/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	103	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	99.7	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.  
Chromatogram indicates that it is likely that sample contains highly weathered gasoline and highly weathered diesel.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS JOB#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>ALS SAMPLE#:</b>	EV16070068-27
<b>CLIENT SAMPLE ID</b>	MW-WES-2	<b>DATE RECEIVED:</b>	07/14/2016
		<b>COLLECTION DATE:</b>	7/14/2016 9:00:00 AM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	07/15/2016	PAB
Methyl T-Butyl Ether	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
Benzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Toluene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Ethylbenzene	EPA-8021	U	1.0	1	UG/L	07/15/2016	PAB
Xylenes	EPA-8021	U	3.0	1	UG/L	07/15/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	07/16/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	07/16/2016	EBS
1,2-Dichloroethane	EPA-8260 SIM	U	0.020	1	UG/L	07/18/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	0.010	1	UG/L	07/18/2016	DLC
Naphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	0.020	1	UG/L	07/19/2016	GAP
Lead	EPA-200.8	U	1.0	1	UG/L	07/19/2016	RAL

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>95.4</b>	07/15/2016	PAB
TFT	EPA-8021	<b>97.8</b>	07/15/2016	PAB
C25	NWTPH-DX	<b>115</b>	07/16/2016	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	<b>103</b>	07/18/2016	DLC
Terphenyl-d14	EPA-8270 SIM	<b>100</b>	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY BLANK RESULTS**

**MBG-071416W - Batch 106354 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	07/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MBG-071416W3 - Batch 106356 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	07/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071416W - Batch 106354 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	UG/L	3.0	07/14/2016	PAB
Benzene	EPA-8021	U	UG/L	1.0	07/14/2016	PAB
Toluene	EPA-8021	U	UG/L	1.0	07/14/2016	PAB
Ethylbenzene	EPA-8021	U	UG/L	1.0	07/14/2016	PAB
Xylenes	EPA-8021	U	UG/L	3.0	07/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071416W3 - Batch 106356 - Water by EPA-8021**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Methyl T-Butyl Ether	EPA-8021	U	UG/L	3.0	07/14/2016	PAB
Benzene	EPA-8021	U	UG/L	1.0	07/14/2016	PAB
Toluene	EPA-8021	U	UG/L	1.0	07/14/2016	PAB
Ethylbenzene	EPA-8021	U	UG/L	1.0	07/14/2016	PAB
Xylenes	EPA-8021	U	UG/L	3.0	07/14/2016	PAB

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071516W - Batch 106355 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	07/15/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	<b>DATE:</b>	7/21/2016
<b>CLIENT CONTACT:</b>	Harold Cashman	<b>ALS SDG#:</b>	EV16070068
<b>CLIENT PROJECT:</b>	Kris's Mini Mart	<b>WDOE ACCREDITATION:</b>	C601

**LABORATORY BLANK RESULTS**

**MB-071516W2 - Batch 106380 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	07/15/2016	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	07/15/2016	EBS

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071516W - Batch 106321 - Water by EPA-8260 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260 SIM	U	UG/L	0.020	07/15/2016	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	UG/L	0.020	07/15/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	UG/L	0.010	07/15/2016	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071616W - Batch 106346 - Water by EPA-8260 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260 SIM	U	UG/L	0.020	07/16/2016	DLC
1,2-Dichloroethane	EPA-8260 SIM	U	UG/L	0.020	07/16/2016	DLC
1,2-Dibromoethane	EPA-8260 SIM	U	UG/L	0.010	07/16/2016	DLC

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071816W - Batch 106411 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	07/18/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	07/18/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	07/18/2016	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	07/18/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.

**MB-071816W2 - Batch 106413 - Water by EPA-8270 SIM**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
Naphthalene	EPA-8270 SIM	U	UG/L	0.020	07/19/2016	GAP
2-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	07/19/2016	GAP
1-Methylnaphthalene	EPA-8270 SIM	U	UG/L	0.020	07/19/2016	GAP
Benzo[G,H,I]Perylene	EPA-8270 SIM	U	UG/L	0.020	07/19/2016	GAP

U - Analyte analyzed for but not detected at level above reporting limit.



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 7/21/2016
228 E. Champion St., Suite 101 ALS SDG#: EV16070068
Bellingham, WA 98225 WDOE ACCREDITATION: C601
CLIENT CONTACT: Harold Cashman
CLIENT PROJECT: Kris's Mini Mart

LABORATORY BLANK RESULTS

MB1-071516W - Batch 106295 - Water by EPA-200.8

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Lead, EPA-200.8, U, UG/L, 1.0, 07/19/2016, RAL

U - Analyte analyzed for but not detected at level above reporting limit.

MB2-071516W - Batch 106296 - Water by EPA-200.8

Table with 7 columns: ANALYTE, METHOD, RESULTS, UNITS, REPORTING LIMITS, ANALYSIS DATE, ANALYSIS BY. Row 1: Lead, EPA-200.8, U, UG/L, 1.0, 07/18/2016, RAL

U - Analyte analyzed for but not detected at level above reporting limit.





**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 106354 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	81.9			66.5	122.7	07/14/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	84.6	3		66.5	122.7	07/14/2016	PAB

**ALS Test Batch ID: 106356 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	79.4			66.5	122.7	07/14/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	80.8	2		66.5	122.7	07/14/2016	PAB

**ALS Test Batch ID: 106354 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Methyl T-Butyl Ether - BS	EPA-8021	85.7			69.2	133	07/14/2016	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	88.5	3		69.2	133	07/14/2016	PAB
Benzene - BS	EPA-8021	91.3			83	120	07/14/2016	PAB
Benzene - BSD	EPA-8021	93.2	2		83	120	07/14/2016	PAB
Toluene - BS	EPA-8021	92.9			85	115	07/14/2016	PAB
Toluene - BSD	EPA-8021	93.8	1		85	115	07/14/2016	PAB
Ethylbenzene - BS	EPA-8021	96.0			85	113	07/14/2016	PAB
Ethylbenzene - BSD	EPA-8021	98.2	2		85	113	07/14/2016	PAB
Xylenes - BS	EPA-8021	97.9			85	116	07/14/2016	PAB
Xylenes - BSD	EPA-8021	101	3		85	116	07/14/2016	PAB

**ALS Test Batch ID: 106356 - Water by EPA-8021**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Methyl T-Butyl Ether - BS	EPA-8021	87.9			69.2	133	07/14/2016	PAB
Methyl T-Butyl Ether - BSD	EPA-8021	84.6	4		69.2	133	07/14/2016	PAB
Benzene - BS	EPA-8021	91.3			83	120	07/14/2016	PAB
Benzene - BSD	EPA-8021	88.3	3		83	120	07/14/2016	PAB
Toluene - BS	EPA-8021	94.6			85	115	07/14/2016	PAB
Toluene - BSD	EPA-8021	91.4	3		85	115	07/14/2016	PAB
Ethylbenzene - BS	EPA-8021	96.6			85	113	07/14/2016	PAB
Ethylbenzene - BSD	EPA-8021	93.7	3		85	113	07/14/2016	PAB
Xylenes - BS	EPA-8021	94.1			85	116	07/14/2016	PAB
Xylenes - BSD	EPA-8021	91.4	3		85	116	07/14/2016	PAB



**CERTIFICATE OF ANALYSIS**

CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	7/21/2016
CLIENT CONTACT:	Harold Cashman	ALS SDG#:	EV16070068
CLIENT PROJECT:	Kris's Mini Mart	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 106355 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	89.3			67	125.2	07/15/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	95.1	6		67	125.2	07/15/2016	EBS

**ALS Test Batch ID: 106380 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	92.2			67	125.2	07/15/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	89.7	3		67	125.2	07/15/2016	EBS

**ALS Test Batch ID: 106321 - Water by EPA-8260 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260 SIM	110			72.5	136	07/15/2016	DLC
1,1-Dichloroethene - BSD	EPA-8260 SIM	99.9	9		72.5	136	07/15/2016	DLC

**ALS Test Batch ID: 106346 - Water by EPA-8260 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260 SIM	116			72.5	136	07/16/2016	DLC
1,1-Dichloroethene - BSD	EPA-8260 SIM	112	3		72.5	136	07/16/2016	DLC

**ALS Test Batch ID: 106411 - Water by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	56.8			36	118	07/18/2016	GAP
Naphthalene - BSD	EPA-8270 SIM	67.4	17		36	118	07/18/2016	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	88.6			43	140	07/18/2016	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	102	14		43	140	07/18/2016	GAP

**ALS Test Batch ID: 106413 - Water by EPA-8270 SIM**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
Naphthalene - BS	EPA-8270 SIM	45.1			36	118	07/19/2016	GAP
Naphthalene - BSD	EPA-8270 SIM	38.8	15		36	118	07/19/2016	GAP
Benzo[G,H,I]Perylene - BS	EPA-8270 SIM	99.3			43	140	07/19/2016	GAP
Benzo[G,H,I]Perylene - BSD	EPA-8270 SIM	107	7		43	140	07/19/2016	GAP



CERTIFICATE OF ANALYSIS

CLIENT: Whatcom Environmental Svcs., Inc. DATE: 7/21/2016
228 E. Champion St., Suite 101 ALS SDG#: EV16070068
Bellingham, WA 98225 WDOE ACCREDITATION: C601
CLIENT CONTACT: Harold Cashman
CLIENT PROJECT: Kris's Mini Mart

LABORATORY CONTROL SAMPLE RESULTS

ALS Test Batch ID: 106295 - Water by EPA-200.8

Table with columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows for Lead - BS and Lead - BSD.

ALS Test Batch ID: 106296 - Water by EPA-200.8

Table with columns: SPIKED COMPOUND, METHOD, %REC, RPD, QUAL, LIMITS (MIN, MAX), ANALYSIS DATE, ANALYSIS BY. Rows for Lead - BS and Lead - BSD.

APPROVED BY

Handwritten signature of Paul Bagum

Laboratory Director





**ALS Environmental**  
8620 Holly Drive, Suite 100  
Everett, WA 98208  
Phone (425) 356-2600  
Fax (425) 356-2626  
http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job#

**EV16070068**

Date **7/14/16** Page **2** Of **3**

PROJECT ID: **Kriss Mini Mart**  
REPORT TO COMPANY: **Inhastan Environmental Services**  
PROJECT MANAGER: **Harold Cashman**  
ADDRESS: **228 E. Champion St #101  
Bellingham, WA 98225**  
PHONE: **360-752-9571** FAX: **360-752-9573**  
P.O. #: \_\_\_\_\_ E-MAIL: **hrcashman@inhastan-**  
INVOICE TO COMPANY: **Century Assurance**  
ATTENTION: \_\_\_\_\_  
ADDRESS: **Claim # 194567**

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	ANALYSIS REQUESTED											OTHER (Specify)	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?												
					NMTPH-HCID	NMTPH-DX	NMTPH-GX	BTEX by EPA 8260	MTBE by EPA 8021	MTBE by EPA 8260	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270				Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pt Pol	TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest
1. MW-16	7/12/16	15:30	water	11	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							8	
2. MW-17	7/13/16	12:25		12	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
3. MW-18	7/13/16	9:25		13	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
4. MW-19	7/12/16	3:05		14	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
5. MW-20	7/12/16	2:30		15	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
6. MW-21	7/13/16	10:25		16	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
7. MW-22	7/13/16	14:30		17	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
8. MW-23	7/12/16	11:45		18	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
9. MW-24		12:40		19	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	
10. MW-25		1:35		20	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X							1	

Metal (Pb) *Naphthalenes*

SPECIAL INSTRUCTIONS

TURNAROUND REQUESTED IN BUSINESS DAYS\*  
OTHER:  
Organic, Metals & Inorganic Analysis  
Fuels & Hydrocarbon Analysis  
Standard EPA 9000

SIGNATURES (Name, Company, Date, Time):  
1. Relinquished By: *Shawn Robinson* *ALS* *7/14/16* *2:05pm*  
Received By: \_\_\_\_\_  
2. Relinquished By: \_\_\_\_\_  
Received By: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges



ALS Environmental  
 8620 Holly Drive, Suite 100  
 Everett, WA 98208  
 Phone (425) 356-2600  
 Fax (425) 356-2626  
 http://www.alsglobal.com

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

EV 160 70068

Date 7/14/16 Page 3 of 3

PROJECT ID: Krissy Mini Mart  
 REPORT TO COMPANY: Whatcom Environmental Services  
 PROJECT MANAGER: Harold Cashman  
 ADDRESS: 228 E. Champion St #401  
Bellingham, WA 98225  
 PHONE: 360-752-9574 FAX: 360-752-9573  
 P.O. #: E-MAIL: [kccashman@whatcom-insurance.com](mailto:kccashman@whatcom-insurance.com)  
 INVOICE TO COMPANY: Colony Insurance  
 ATTENTION:  
 ADDRESS: Claim # 194567

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	ANALYSIS REQUESTED												OTHER (Specify)				NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?													
					NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX by EPA 8260	MTBE by EPA 802	Halogenated Volatiles by EPA 8260	Volatile Organic Compounds by EPA 8260	EDB / EDC by EPA 8260 SIM (water)	EDB / EDC by EPA 8260 (soil)	Semivolatile Organic Compounds by EPA 8270	Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM	PCB by EPA 8082	Pesticides by EPA 8081	Metals-MTCA-5	RCRA-8	Pt Pol			TAL	Metals Other (Specify)	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs						
1. MW-26	7/13/16	11:25	water	21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	8			
2. MW-27	7/12/16	1330		22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
3. MW-28	7/14/16	10:40		23	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
4. MW-29	7/12/16	10:45		24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
5. MW-30		9:50		25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
6. MW-WES-1	7/13/16	1:00		26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
7. MW-WES-2	7/14/16	9:00		27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
8. Trip Blank	7/14/16			28																															
9.																																			
10.																																			

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Shawn Robb WES 7/14/16, 2:05PM  
 Received By: Shawn Robb AES 7/14/16 2:05pm  
 2. Relinquished By: \_\_\_\_\_  
 Received By: \_\_\_\_\_

TURNAROUND REQUESTED in Business Days\*  
 OTHER:  
 Specify: \_\_\_\_\_  
 Organic, Metals & Inorganic Analysis  
 10 SAME DAY  
 5 3 2 1  
 Fuels & Hydrocarbon Analysis  
 5 3 1  
 10 SAME DAY

\*Turnaround request less than standard may incur Rush Charges

## **APPENDIX F**

Limitations

## **LIMITATIONS**

No site investigation can wholly eliminate uncertainty regarding the potential for contamination in connection with a property. Performance of this investigation by Whatcom Environmental Services Inc. is intended to reduce, but not eliminate, uncertainty regarding the potential for environmental contamination in connection with the site.

The interpretation of subsurface soil and groundwater conditions is based on Whatcom Environmental Services' field observations and chemical analytical data collected from relatively widely spaced sampling locations at the site. It is possible that contamination exists beneath portions of the site that were not explored, sampled, or analyzed. No warranty, express or implied, is given regarding the presence of hidden or unidentified sources of contamination of the site. In addition, no warranty, express or implied is given regarding geotechnical or geologic hazards.

This environmental report is based on conditions that existed at the time the investigation was performed and samples collected. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, or by natural events such as floods, earthquakes, ground instability, or groundwater fluctuations.

Within the limitations of scope, schedule, and budget, our services have been executed in accordance with generally accepted environmental practices in this area at the time this report was prepared. No warranty or other conditions, express or implied, should be understood.

This report has been prepared for use by Kris's Mini Mart. Whatcom Environmental Services prepares a report for the client's exclusive use for a particular project and in accordance with generally accepted practices at the time of investigation. This report was prepared for exclusive use by the client and its agents and may not be used, relied upon, or assigned to a third party without written consent from Whatcom Environmental Services Inc. This report is not intended for use by others, and the information contained herein is not applicable to other sites. This report may be made available to regulatory agencies.