

**SITE CHARACTERIZATION
KRIS'S MINI MART
6000 PORTAL WAY
FERNDALE, WA 98248
FS ID# 96443724**

prepared for:

Mr. Narain Naidu
Kris's Mini Mart
6000 Portal Way
Ferndale, WA 98248

March 12, 2014



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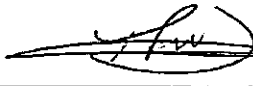
March 12, 2014



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EXECUTIVE SUMMARY

A release of petroleum products to soil was discovered at the Kris's Mini Mart retail fueling station located at 6000 Portal Way in Ferndale, Washington (Figure 1) during tank system maintenance/repair activities performed on a gasoline underground storage tank (UST). A Site Check was conducted following the discovery of a hole in the super unleaded tank (Tank ID#:40536) on July 27, 2012. 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. The site has been listed in the Washington Department of Ecology (Ecology) Leaking Underground Storage Tank (LUST) database since 1992.

Seven soil borings were advanced at the site using a hollow stem auger and seven groundwater monitoring wells were installed on May 7-9, 2013, to characterize the extent of the gasoline release. Soil and groundwater samples were collected for laboratory analysis.

Field screening and laboratory analytical results were used to evaluate the subsurface conditions at the boring locations. Field screening and laboratory analytical results of soil samples collected during the well installation process indicated that petroleum impacted soil is located south of the UST pit and below the fuel dispenser area. The petroleum impacted soil is located at a depth of approximately 6 feet below the ground surface (bgs) in native sandy soil.

Laboratory analytical results for groundwater samples collected from the monitoring wells indicate that petroleum impacted groundwater is located southeast of the gasoline UST pit and in the fuel dispenser area.

This Site Characterization report was prepared by Whatcom Environmental Services on behalf of Kris's Mini Mart. The report documents the results of a Site Characterization conducted in accordance with WAC 173-340-450(5)(b).

1.0 INTRODUCTION

This report documents the results of site characterization/remedial investigation work conducted at Kris's Mini Mart located at 6000 Portal Way in Ferndale, WA (the subject property). The site location is shown on Figure 1. Kris's Mini Mart is an operating retail fueling station and convenience store.

Based on the historical soil and groundwater contamination documented at the site in the 1990's (discussed below) and the discovery of a leaking gasoline tank, a site characterization investigation was initiated. Seven soil borings were advanced at the site using a hollow stem auger and seven groundwater monitoring wells were installed on May 7-9, 2013. Soil samples were collected from each soil boring to further characterize the areal extent of soil contamination previously documented at the subject property during an Underground Storage Tank (UST) Site Check conducted at the property in September 2012 (WES, 2012).

Field screening and laboratory analytical results of soil samples collected during the well installation process indicated that petroleum impacted soil is located south of the UST pit and below the fuel dispenser area. The petroleum impacted soil is located at a depth of approximately 6 feet below the ground surface (bgs) in native sandy soil.

Laboratory analytical results for groundwater samples collected from the monitoring wells indicate that petroleum impacted groundwater is located southeast of the gasoline UST pit and in the fuel dispenser area.

2.0 SUBJECT PROPERTY DESCRIPTION

Kris's Mini Mart is currently an operational retail fueling station. The property has been assigned the Facility Site ID#: 96443724. Four operational USTs are located on the subject property; 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 site is listed in the LUST database with its status listed as 'Cleanup Started'. Four historical tanks were removed from the site during a 1990s facility upgrade which razed the entire property and rebuilt a new fueling station and convenience store.

The subject property is situated approximately 0.1 miles east of Interstate 5 (I-5) Freeway Exit #263, 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 subject property has a median elevation of approximately 40 feet above mean sea level and the site topography is generally flat. The property is covered by asphalt pavement and two structures; a convenience store and fuel dispenser canopy. Stormwater is collected in catch basins and routed through an oil/water separator located in the southwest corner of the subject property.

2.1 SITE GEOLOGY

The subject property 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 subject property 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). Soil borelogs are included in Appendix A.

2.2 SOIL PHYSICAL PROPERTIES

Four soil samples collected from the 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-08cm² to 1.09E-07 cm², averaging 6.45E-08 cm². All four samples were categorized as medium sand.

The soil physical properties data are summarized in Table 1. A copy of the physical properties data report is included in Appendix B.

2.3 SITE HYDROGEOLOGY

Groundwater was encountered in each soil boring at a depth of approximately 4 feet bgs. Seven groundwater monitoring wells are currently located on the subject property. Seven new groundwater monitoring wells were installed as part of the 2013 remedial investigation. 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 0.0025 ft/ft. The groundwater flow direction and gradient maps are presented in Appendix C.

3.0 SITE HISTORY AND PREVIOUS INVESTIGATIONS

Several previous investigations have been conducted at the subject property since 1992 when petroleum contaminated soil was encountered during the upgrade of the site to its current configuration. Two historical reports were found in the Department of Ecology's UST/LUST files; a 1992 UST Site Assessment report and a 1993 Site Closure report. The two reports were reviewed by Whatcom Environmental as part of a subsurface investigation conducted in 2003 (WES, 2003).

Results of the 2003 subsurface investigation indicated that diesel and gasoline range soil and groundwater contamination were located along the southwestern portion of the subject property. An air sparge/vapor extraction system was installed at the site in 2004 to enhance natural bioremediation. Groundwater at the site was monitored between 2003 and 2011.

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 continued in 2013 in accordance with the Model Toxics Control Act WAC 173-340-450(5)(b).

A brief summary of the site ownership history and historical remedial reports is provided below in chronological order.

3.1 HISTORICAL OWNERSHIP SUMMARY

Historical title documents were reviewed and historical Polk City directories were searched to establish the ownership history of the subject property. 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
- Magnus Anderson and Berna Magdalena Anderson pre- 4/10/45
- James W. Nelson and Viola Anna Nelson 4/10/45 - 8/9/45
- Harold Ahlstedt and Asta C. Ahlstedt 8/9/45 - 6/28/74
- Herman B Filbeck and Bertie Filbeck 6/28/74 - 2/2/76
- Frank E. Sirmans and Donna J. Sirmans 2/2/76 - 2/12/81
- Northwestern Commercial Bank 2/12/81 - 9/20/84
- Thomas James Hull and Alberta K. Hull 6/4/82 - 12/13/86
- Robin and Cathy LaFave 12/13/86- 11/18/94
- Richard G. and Marilyn Sievers 12/13/86 - 7/14/03
- Larry E. and Phyllis L. Bird 12/13/86 - 10/8/90
- Darrell K. Bornstein, Jr. 12/18/87 - 7/3/97
- James Unruh and Leanne Unruh 11/18/94- 10/21/97
- Rick D. Sievers 10/21/97 - 7/14/03
- Narain and Munsu S. Naidu 7/14/03 - present

3.2 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 well locations are shown on Figure 2. 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 are screened across the water table.

3.3 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.

3.4 2003 - SUBSURFACE SOIL AND GROUNDWATER INVESTIGATION

A subsurface soil and groundwater investigation was conducted by Whatcom Environmental Services Inc. at the subject property 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. The boring locations are shown on Figure 2. 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 total petroleum hydrocarbons (TPH) and BTEX constituents at concentrations exceeding the Model Toxics Control Act (MTCA) Method A cleanup levels. The report recommended that further remedial action be conducted at the subject property.

3.5 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 and free product were 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. Copies of the 2003 AS well installation diagrams are included in Appendix D.

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 subject property. 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. Copies of the well installation diagrams are included in Appendix D.

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. The groundwater monitoring results are discussed in Section 7.

3.6 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 levels.

3.7 2013 – SITE CHARACTERIZATION AND MONITORING WELL INSTALLATION

Additional 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. The results of that investigation are presented in this report. Seven soil borings were advanced at the site using a hollow stem auger and seven groundwater monitoring wells were installed. Soil samples were collected from each soil boring to characterize the areal and vertical extent of soil contamination previously documented at the subject property.

Field screening and laboratory analytical results from soil samples collected during the well installation process indicate that petroleum impacted soil is 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 of 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.

4.0 INVESTIGATIVE METHODS

The subsurface conditions at the site were investigated 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 property as a retail fueling station. Seven soil borings were drilled and soil samples were collected for laboratory analysis. Seven groundwater monitoring wells were installed in the borings, and groundwater samples were collected for laboratory analysis.

4.1 SOIL BORINGS AND SOIL SAMPLE COLLECTION

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. 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-8 through B-14. 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.

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.

4.2 SOIL SAMPLE ANALYTICAL PROCEDURES

The 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 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 6020: Lead (Pb)

4.3 GROUNDWATER MONITORING WELL INSTALLATION AND GROUNDWATER SAMPLING PROCEDURE

Groundwater monitoring wells were installed in each of the seven soil borings. The wells were identified as MW-8 through MW-14. The monitoring wells were installed to a depth of 15 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 2013 groundwater monitoring well construction diagrams are provided in Appendix E.

The wells were developed using disposable bailers. Water was bailed from each well until the turbidity decreased. 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. 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 arsenic and 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.

4.4 GROUNDWATER SAMPLE ANALYTICAL PROCEDURE

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 SIM: EDC and EDB

EPA Method 200.8: Dissolved Pb

All samples were analyzed within the prescribed holding times, and the equipment blank and duplicate sample results were within acceptable limits.

5.0 SOIL AND GROUNDWATER SCREENING LEVELS

The MTCA Method A target cleanup levels for soil and groundwater were selected as screening levels for this site characterization. Those levels have been established for unrestricted land use in accordance with WAC 173-340 and can be found in Table 740-1 and Table 740-2 (Ecology, 2007).

A simplified TEE (WAC 173-340-7492) was conducted and it was determined that the concentrations of contaminants listed in MTCA Table 749-2 (Ecology 2007) for unrestricted land use are required to be used as soil cleanup levels at the subject property (WAC 173-340-7492(1)(d)). The only soil contaminants of potential concern at the site affected by the TEE determination are gasoline range organics, diesel range organics, and lead. The MTCA Method A cleanup level for gasoline range organics in soil is 100 mg/kg, and the Table 749-2 (Priority Contaminants of Ecological Concern) cleanup level for gasoline range organics in soil is 200 mg/kg. The MTCA Method A cleanup level for diesel range organics in soil is 2,000 mg/kg, and the Table 749-2 cleanup level for diesel range organics in soil is 460 mg/kg. The MTCA Method A cleanup level for lead in soil is 250 mg/kg, and the Table 749-2 cleanup level for lead in soil is 220 mg/kg.

6.0 SOIL SAMPLE RESULTS

The site characterization work described herein has provided further information related to the horizontal and vertical extent of contamination at the site. The soil boring locations are shown on Figure 2. The soil sample descriptions, depths of collection and field screening results are included in Table 2, and the laboratory analytical data are summarized in Table 3. The original laboratory analytical data reports are provided in Appendix F.

Fifteen soil samples were collected (B-8 through B-14 at various depths) to further characterize the contamination discovered at the subject property. Multiple soil samples (*B-9 6ft, B-10 6.5ft, B-11 6.5ft, B-11 10ft, B-12 6.5ft*) contained detections of gasoline range TPH at concentrations exceeding the MTCA Method A target cleanup level. Samples *B-14 2ft* and *B-14 9ft* contained diesel range TPH exceeding the MTCA Method A target cleanup level. Multiple soil samples (*B-9 6ft, B-9 14ft, B-10 6.5ft, B-11 6.5ft, B-12 6.5ft, and B-13 6.5ft*) contained BTEX constituent concentrations above the target cleanup levels. Several soil samples contained natural background concentrations of lead (ranging up to 5.8 mg/kg) which all met the MTCA Method A target cleanup level of 250 mg/kg. The natural background levels for lead are approximately 17 mg/kg Statewide and approximately 10.8 mg/kg for Whatcom/Skagit Counties (Ecology, 1994). The soil analytical data are summarized in Table 3.

All samples were analyzed within the prescribed holding times, and sample analytical QA/QC results were within acceptable limits.

7.0 GROUNDWATER SAMPLE RESULTS

Groundwater samples were collected for laboratory analysis in May, August, and November 2013, and February 2014. The groundwater monitoring well locations are shown on Figure 3. Groundwater analytical data are summarized in Table 4. The original laboratory analytical data reports are provided in Appendix G.

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 and BTEX constituents were detected in the samples collected from monitoring wells MW-8 through MW-13 during the four quarterly sampling events. Gasoline range TPH and BTEX constituents were detected at concentrations which exceeded the MTCA Method A target cleanup levels in wells MW-8, MW-9, MW-10, MW-11, MW-12, and MW-13. Diesel range TPH was detected at concentrations which exceeded the MTCA Method A target cleanup level in wells MW-11, MW-12, and MW-14.

Concentrations of MTBE, EDC, EDB, and lead were not detected in any of the wells at concentrations above the laboratory's reporting limits during any of the sampling events.

Based on the gasoline and diesel concentrations detected in wells MW-11 and MW-12, it appears that the dissolved gasoline plume and diesel plume have co-mingled beneath the fuel dispenser area. Dissolved gasoline and diesel range TPH concentrations detected in February 2014 are shown on Figure 4.

8.0 TERRESTRIAL ECOLOGICAL EVALUATION

In order to confirm the site is not a threat to the environment, a terrestrial ecological evaluation (TEE) was conducted in accordance with WAC 173-340-7490. The goal of the TEE is to determine if contaminants remaining onsite pose a threat to terrestrial ecological receptors (plants and wildlife). The site did not qualify for a primary exclusion (WAC 173-340-7491) because there were more than 1.5 acres of 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 properties are required to be used as cleanup levels at the subject property (WAC 173-340-7492(1)(d)).

Documentation related to the TEE decision making process is included in Appendix H.

9.0 CONCLUSIONS

A site characterization investigation was completed at the Kris' Mini Mart retail fueling station located at 6000 Portal Way in Ferndale, Washington. The investigation was undertaken in an effort to characterize the subsurface soil and groundwater conditions at the site and to establish a groundwater monitoring well system.

Seven hollow stem auger soil borings were advanced to a depth of 15 feet bgs on May 7-9, 2013. 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 gasoline range TPH and benzene were present at concentrations which exceeded the MTCA Method A target cleanup levels at depths ranging from 6 to 10 feet bgs in the native sandy soils located south and southeast of the USTs and beneath the fuel dispenser islands. Diesel range TPH was detected at concentrations which exceeded the MTCA Method A target cleanup level at depths ranging from 2 to 9 feet bgs south of the fuel dispenser islands.

Groundwater monitoring wells were installed in each soil boring. The depth to water was determined to range from approximately 3 to 5 feet bgs. Groundwater was determined to flow towards the southeast. Groundwater sample results indicated that gasoline range TPH and BTEX constituents were present at concentrations which exceeded the MTCA Method A target cleanup levels in wells located south and southeast of the USTs and beneath the fuel dispenser islands. Diesel range TPH was detected at concentrations which exceeded the MTCA Method A target cleanup level in wells located between the fuel dispenser islands and south of the fuel dispenser islands.

Based on the gasoline and diesel concentrations detected in wells MW-11 and MW-12, it appears that the dissolved gasoline plume and diesel plume have co-mingled beneath the fuel dispenser area.

A Feasibility Study will be conducted to evaluate remedial options for the site.

10.0 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 subject property.

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 subject property. In addition, no warranty, express or implied is given regarding geotechnical or geologic hazards.

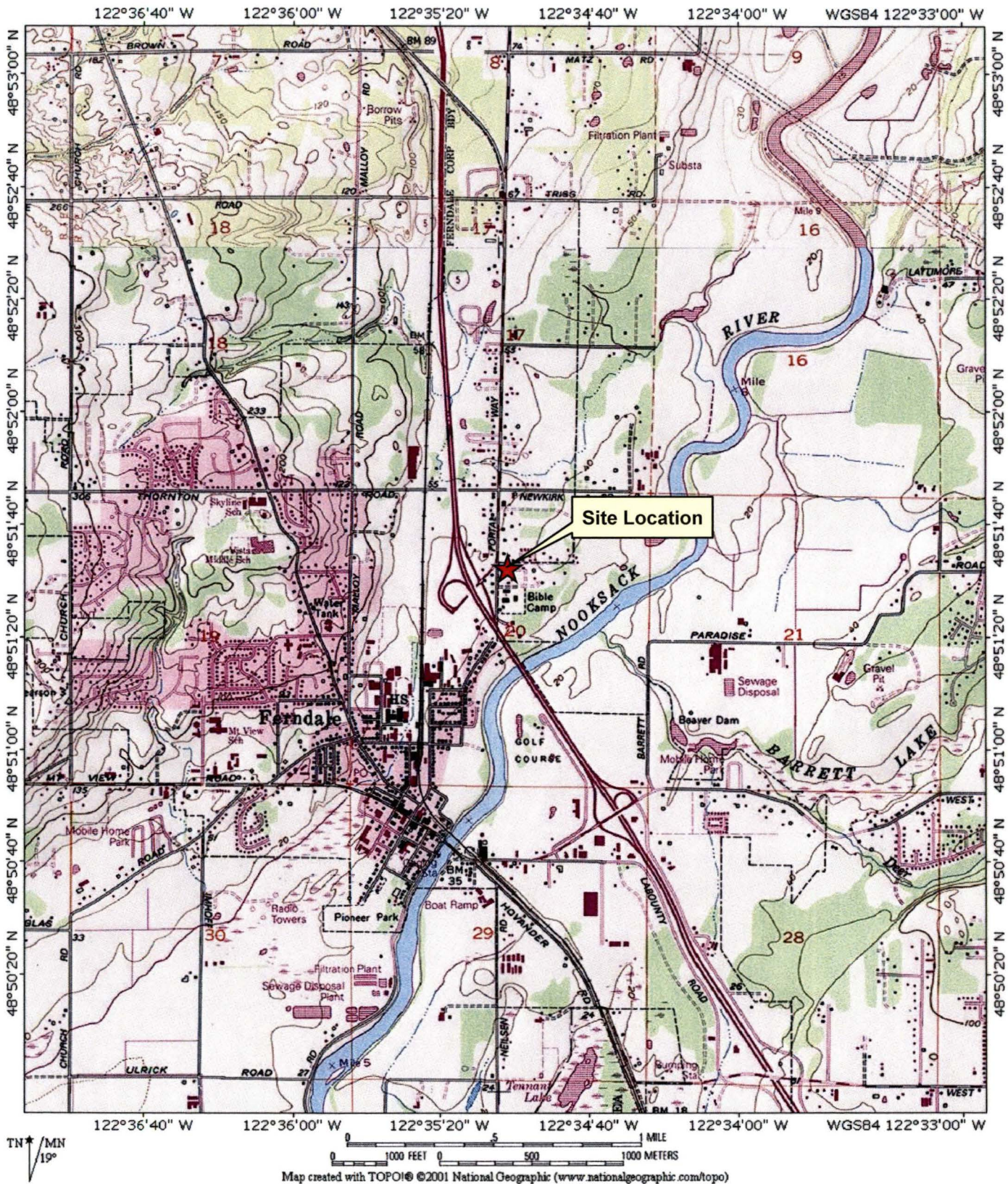
This environmental report is based on conditions that existed at the time the investigation was performed and samples collected. The findings and conclusions of this report may be affected by the passage of time, by manmade events such as construction on or adjacent to the site, or by natural events 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 (Mr. Narain Naidu). 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.

11.0 REFERENCES

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Prepared for:

Kris's Mini Mart

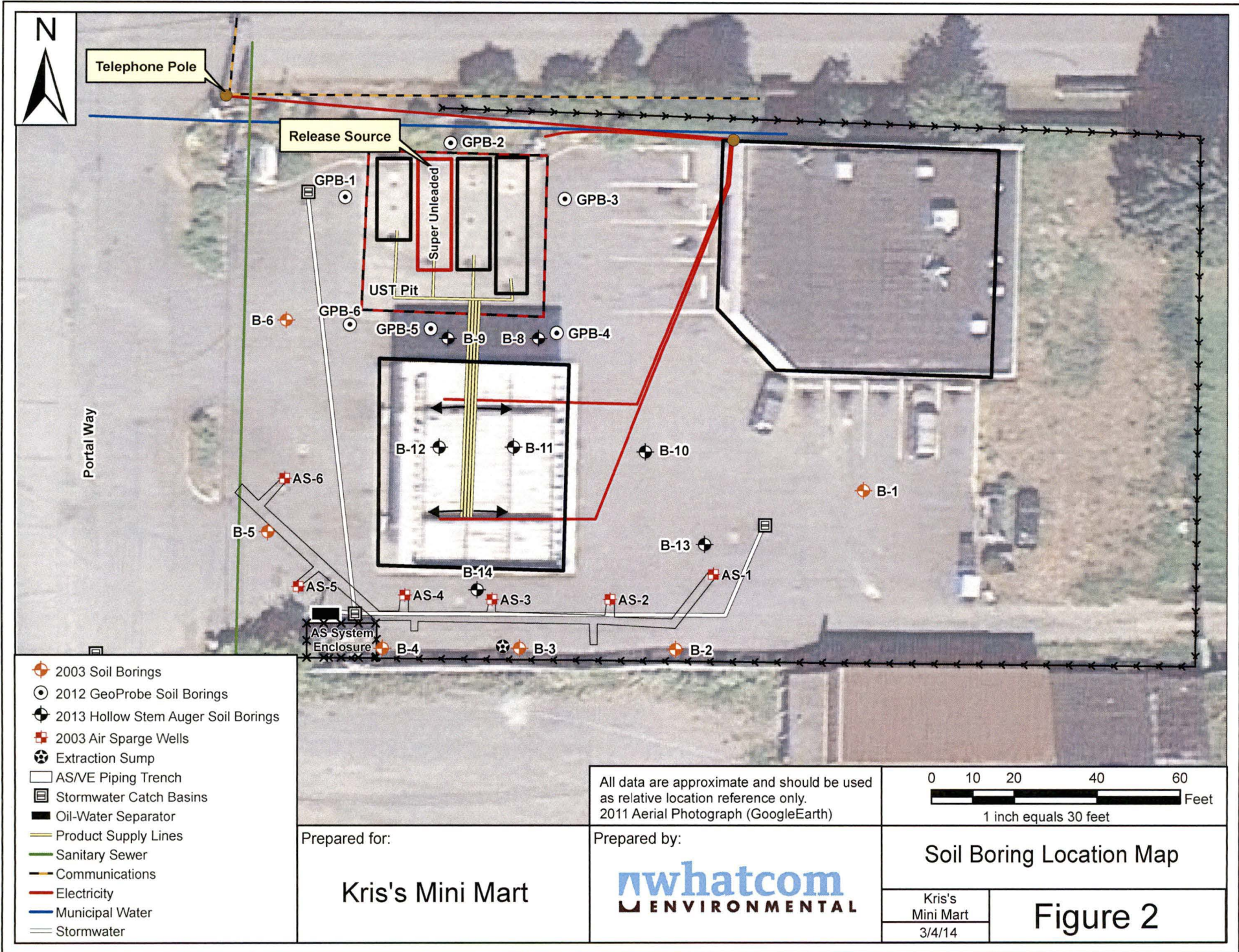
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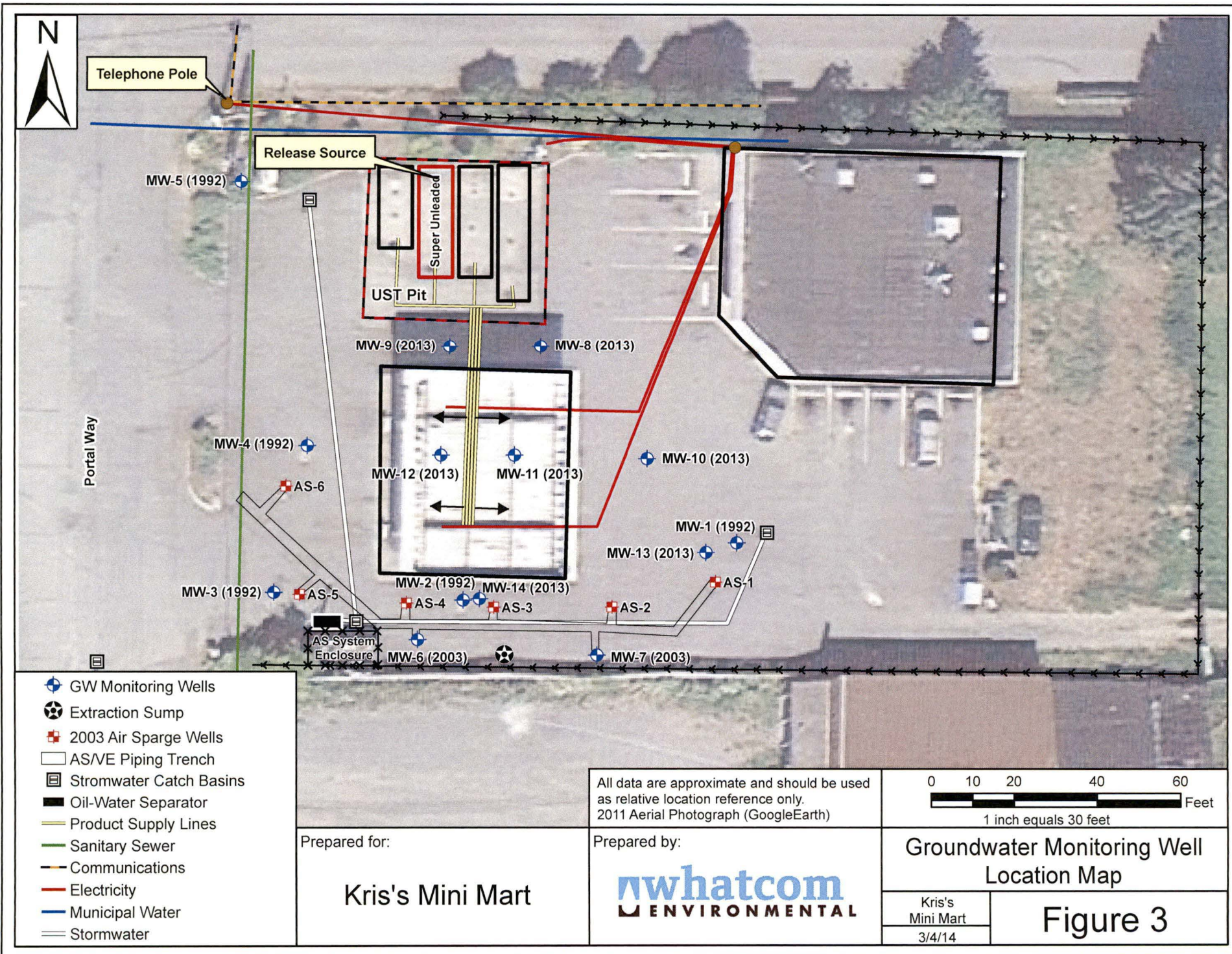
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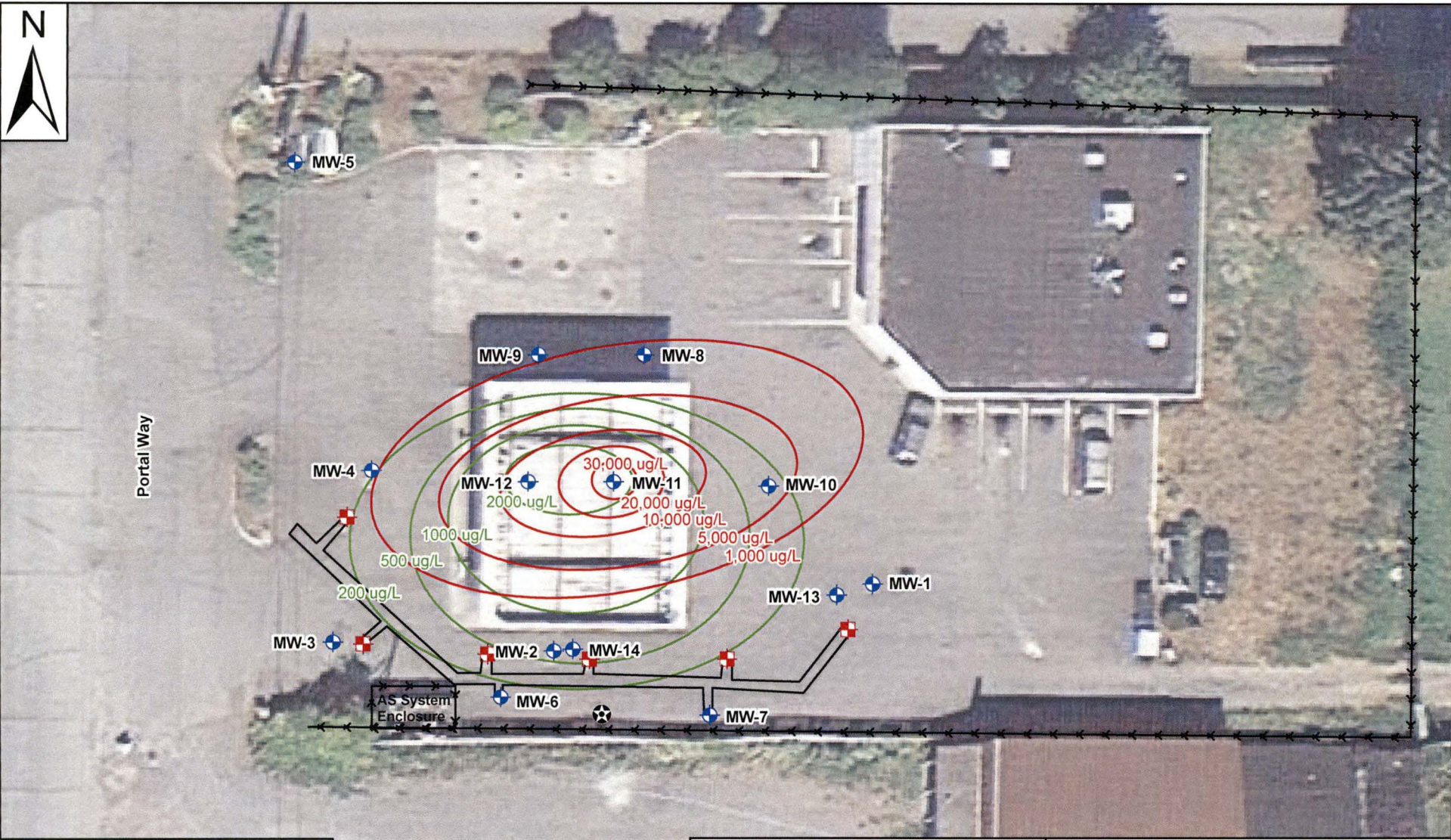
Site Location Map

Kris's
Mini Mart
10/17/13

Figure 1







- Monitoring Wells
- 2003 Air Sparge Wells
- AS/VE Piping Trench
- Extraction Sump
- Gx Concentrations 2/6/14
- Dx Concentrations 2/6/14

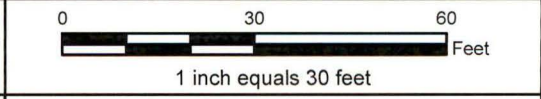
Prepared for:

Kris's Mini Mart

All data are approximate and should be used for relative location reference only.
2011 Aerial Photograph (GoogleEarth)

Prepared by:

nwhatcom
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**Dissolved Gasoline & Diesel
Concentration Map (2/6/2014)**

Kris's Mini Mart	Figure 4
3/10/14	

Table 1. Soil Physical Properties - Kris's Mini Mart, 6000 Portal Way, Ferndale

Sample ID	Date	Grain Density g/cm ³	Dry Bulk Density g/cm ³	Volumetric Water Content cm ³ /cm ³	Total Measured Porosity cm ³ /cm ³	Air Filled Porosity cm ³ /cm ³	Intrinsic Permiability cm ²	Native Hydraulic Conductivity cm/sec	Description USCS/ATSM	Median Grain Size mm
B-8 5.5-6.0	5/21/2013	2.71	1.49	0.452	0.234	0.217	1.09E-07	1.12E-02	Medium Sand	0.611
B-10 8.0-8.5	5/21/2013	2.70	1.54	0.429	0.112	0.317	2.29E-08	2.33E-03	Medium Sand	0.481
B-10 13.0-13.5	5/21/2013	2.71	1.57	0.419	0.191	0.229	7.16E-08	7.23E-03	Medium Sand	0.55
B-13 5.5-6.0	5/21/2013	2.70	1.63	0.397	0.177	0.220	5.46E-08	5.48E-03	Medium Sand	0.877

Table 2. Soil Sample Descriptions - Kris's Mini Mart, 6000 Portal Way, Ferndale

Sample ID	Date	Location and Description	Sheen Test*	PID (ppm)
B-8 (8.5 ft)	5/7/13	Collected 8.5 ft bgs from southeast corner of UST pit. Medium sand, brown, minor gravel, loose, wet	NS	128
B-9 (6 ft)	5/7/13	Collected 6 ft bgs from south of center of UST pit, at first indication of petroleum impacts. Medium sand, brown, loose, wet	MS	821
B-9 (9 ft)	5/7/13	Collected 9 ft bgs from south of center of UST pit. Medium sand, brown, loose, wet	SS	860
B-9 (14 ft)	5/7/13	Collected 14 ft bgs from south of center of UST pit, at bottom of boring. Medium sand, brown, loose, wet	NS	11.5
B-10 (6.5 ft)	5/8/13	Collected 6.5 ft bgs east of dispenser slab at indication of petroleum impacts. Medium sand, brown, loose, wet	HS	4800
B-10 (14 ft)	5/8/13	Collected 6.5 ft bgs east of dispenser slab at bottom of boring. Medium sand, brown, loose, wet	NS	65
B-11 (6.5 ft)	5/9/13	Collected 6.5 ft bgs beneath east side of dispenser slab at indication of petroleum impacts. Medium sand, brown, loose, wet	HS	2705
B-11 (10 ft)	5/9/13	Collected 10 ft bgs beneath east side of dispenser slab Medium sand, brown, loose, wet	VSS	564
B-11 (15 ft)	5/9/13	Collected 15 ft bgs beneath east side of dispenser slab at bottom of boring. Medium sand, minor gravel, brown, loose, wet	NS	2
B-12 (6.5 ft)	5/9/13	Collected 6.5 ft bgs beneath west side of dispenser slab at indication of petroleum impacts.	MS	1516

Table 2. Soil Sample Descriptions - Kris's Mini Mart, 6000 Portal Way, Ferndale

Sample ID	Date	Location and Description	Sheen Test*	PID (ppm)
		Medium sand, brown, loose, moist		
B-13 (6.5 ft)	5/7/13	Collected 6.5 ft bgs east of south end of dispenser slab at indication of petroleum impacts.	MS	147
		Medium sand, brown, loose, wet		
B-13 (14 ft)	5/7/13	Collected 14 ft bgs east of south end of dispenser slab at bottom of boring.	NS	0.0
		Medium sand, brown, loose, wet		
B-14 (2 ft)	5/7/13	Collected 2 ft bgs south of center of dispenser slab at indication of petroleum impacts.	SS	190
		Medium sand, minor gravel, brown, loose, moist		
B-14 (6 ft)	5/7/13	Collected 6 ft bgs south of center of dispenser slab.	SS	4
		Medium sand, brown, loose, moist		
B-14 (9 ft)	5/7/13	Collected 9 ft bgs south of center of dispenser slab at indication of petroleum impacts.	MS	302
		Medium sand, brown, loose, wet		
B-16 (6.5 ft)	5/9/13	Duplicate sample collected 6.5 ft bgs from B-11.	HS	2705
		Medium sand, brown, loose, wet		

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

Table 3. Soil Sample Analytical Results - Kris's Mini Mart, 6000 Portal Way, Ferndale

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-6020 Lead mg/kg
MTCA Method A Clean-up Levels		100/30*	2,000	2,000	0.03	7	6	9	0.1	0.005	--	250
Table 749-2 Cleanup Levels		200	460	--	--	--	--	--	--	--	--	220
B-8 (8.5 ft)	5/7/13	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)	2.0
B-9 (6 ft)	5/7/13	1300	ND(<220)	ND(<50)	<i>ND(<0.60)</i>	ND(<1.0)	6.1	7.0	<i>ND(<2.0)</i>	ND(<5.0)	ND(<10)	1.9
B-9 (9 ft)	5/7/13	92	ND(<25)	ND(<50)	<i>ND(<0.06)</i>	0.12	0.19	ND(<0.40)	<i>ND(<0.20)</i>	NA	NA	NA
B-9 (14 ft)	5/7/13	ND(<3.0)	ND(<25)	ND(<50)	0.12	0.085	ND(<0.05)	ND(<0.20)	ND(0.10)	NA	NA	NA
B-10 (6.5 ft)	5/8/13	4900	ND(<220)	ND(<50)	<i>ND(<3.0)</i>	82	21	300	<i>ND(<10)</i>	ND(<5.0)	ND(<10)	2.1
B-10 (14 ft)	5/8/13	ND(<3.0)	NA	NA	ND(<0.03)	0.061	ND(<0.05)	0.24	ND(<0.10)	NA	NA	NA
B-11 (6.5 ft)	5/9/13	3000	ND(<220)	ND(<50)	<i>ND(<1.5)</i>	36	22	300	<i>ND(<5.0)</i>	ND(<5.0)	ND(<10)	2.3
B-11 (10 ft)	5/9/13	59	ND(<25)	ND(<50)	ND(<0.03)	0.54	0.44	4.2	ND(<0.10)	NA	NA	NA
B-11 (15 ft)	5/9/13	ND(<3.0)	NA	NA	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	2
B-12 (6.5 ft)	5/9/13	2600	ND(<220)	ND(<50)	<i>ND(<1.2)</i>	ND(<2.0)	2.2	110	<i>ND(<4.0)</i>	NA	NA	NA
B-13 (6.5 ft)	5/7/13	6.2	ND(<25)	ND(<50)	0.031	0.072	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	NA
B-13 (14 ft)	5/7/13	ND(<3.0)	NA	NA	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	NA
B-14 (2 ft)	5/7/13	<i>ND(<130)</i>	2200	1400	<i>ND(<0.30)</i>	ND(<0.50)	ND(<0.50)	ND(<2.0)	ND(<1.0)	NA	NA	NA
B-14 (6 ft)	5/7/13	ND(<3.0)	330	310	ND(<0.03)	ND(<0.05)	ND(<0.05)	ND(<0.20)	ND(<0.10)	NA	NA	NA
B-14 (9 ft)	5/7/13	ND(<70)	2600	950	<i>ND(<0.30)</i>	ND(<0.50)	1.1	ND(<2.0)	ND(<1.0)	ND(<5.0)	ND(<10)	5.8
B-16 (6.5 ft) (dup. of B-11)	5/9/13	2600	ND(<220)	ND(<50)	ND(<1.5)	22	15	230	<i>ND(<5.0)</i>	NA	NA	2.2

* - 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

Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart, 6000 Portal Way, Ferndale

Sample ID	Date	NWTPH-Gx	NWTPH-Dx	NWTPH-Dx	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8021	EPA-8260	EPA-8260	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	Lead (Dissolved) µg/L
MTCA Method A Clean-up Levels		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	15
MW-1	2/22/1994	500	NA	NA	46	ND(<100)	5.6	15.7	NA	NA	NA	NA
	4/5/1995	40	NA	NA	6.1	ND(<1.0)	ND(<1.0)	ND(<1.0)	NA	NA	NA	NA
	2/6/2003	130	ND(<130)	ND(<250)	980	50	2	ND(<3)	ND(<3)	NA	NA	NA
	7/26/2005**	Not enough water in well to sample										
	10/26/2006	Not enough water in well to sample										
	2/14/2007	ND(<50)	ND(<130)	ND(<250)	45	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/27/2008	ND(<50)	ND(<130)	ND(<250)	22	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	9/11/2008	Not enough water in well to sample										
	2/24/2009	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/9/2010	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	11/9/2010	ND(<50)	NA	NA	7.1	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	2/16/2011	ND(<50)	ND(<130)	ND(<250)	1	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	11/3/2011	Not enough water in well to sample										
	5/23/2013	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	8/12/2013	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
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	2/22/1994	ND(<100)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<1)	NA	NA	NA	NA
	6/20/1994	400	NA	NA	5.2	0.8	4.6	9.5	NA	NA	NA	NA
	4/5/1995	700	NA	NA	27	ND(<3)	3	9	NA	NA	NA	NA
	11/18/2002	2,800	4,100	2,300	2,000	170	11	20	180	NA	NA	NA
	2/6/2003	1,600	2,300	920	4,000	99	11	19	ND(<15)	NA	NA	NA
	7/26/2005	2,700	1,400	810	1,200	300	59	330	ND(<60)	NA	NA	NA
	10/26/2006	Not enough water in well to sample										
	2/14/2007	ND(<250)	5,200	2,600	86	16	36	130	ND(<3)	NA	NA	NA
	7/11/2007	1,400	800	310	150	40	50	180	3	NA	NA	NA
	2/27/2008	270	320	ND(<250)	26	3	14	58	ND(<3)	NA	NA	NA
	9/11/2008	980	1,400	340	22	6	28	110	NA	NA	NA	NA
	2/24/2009	300	2,200	740	7	5	7	23	ND(<3)	NA	NA	NA
	2/24/2009 (dup)	310	2,000	740	7	5	8	26	ND(<3)	NA	NA	NA
	2/9/2010	120	2,400	690	3.6	1.3	3.1	4.0	NA	NA	NA	NA
	11/9/2010	81	NA	NA	2.2	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	2/16/2011	ND(<50)	NA	NA	1.2	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	11/3/2011	110	2,000	930	1.1	ND(<1)	1.7	ND(<3)	NA	NA	NA	NA
	8/12/2013	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	
2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	

Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart, 6000 Portal Way, Ferndale

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-200.8 Lead (Dissolved) µg/L
MTCA Method A Clean-up Levels		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	15
MW-3	2/22/1994	ND(<100)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<1)	NA	NA	NA	NA
	6/20/1994	ND(<100)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<1)	NA	NA	NA	NA
	4/5/1995	ND(<100)	NA	NA	0.8	ND(<1)	ND(<1)	ND(<1)	NA	NA	NA	NA
	2/6/2003	ND(<50)	480	750	4	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/26/2005	Not enough water in well to sample										
	10/26/2006	Not enough water in well to sample										
	2/14/2007	ND(<50)	250	300	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/27/2008	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	9/11/2008	Not enough water in well to sample										
	2/24/2009	ND(<50)	140	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/16/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/23/2013	ND(<50)	1,000	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	8/12/2013	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
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	6/20/1994	ND(<100)	NA	NA	ND(<1)	42	ND(<25)	ND(<25)	NA	NA	NA	NA
	4/5/1995	ND(<100)	NA	NA	ND(<1)	2	ND(<25)	ND(<25)	NA	NA	NA	NA
	11/18/2002	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/6/2003	ND(<50)	ND(<130)	ND(<250)	14	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/26/2005	ND(<50)	ND(<130)	ND(<250)	5	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	10/26/2006	Not enough water in well to sample										
	2/14/2007	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/27/2008	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	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
	2/24/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2010	ND(<50)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	2/16/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/23/2013	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	8/12/2013	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
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart, 6000 Portal Way, Ferndale

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-200.8 Lead (Dissolved) µg/L
MTCA Method A Clean-up Levels		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	15
MW-5	2/25/2003	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/26/2005	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	10/26/2006	Not enough water in well to sample										
	2/14/2007	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/11/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/27/2008	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	9/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/24/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/9/2010	ND(<50)	NA	NA	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	2/16/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	11/3/2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	5/23/2013	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	8/12/2013	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
2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-6	7/26/2005	1,300	1,400	ND(<250)	740	31	9	65	ND(<15)	NA	NA	NA
	10/26/2006	ND(<50)	2,800	1,300	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/14/2007	ND(<50)	740	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/11/2007	ND(<50)	4,900	640	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/27/2008	ND(<50)	2,100	420	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	9/11/2008	ND(<50)	360	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/24/2009	ND(<50)	3,100	390	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/9/2010	ND(<50)	2,200	350	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	11/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/16/2011	ND(<50)	810	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	11/3/2011	60	840	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	5/23/2013	ND(<50)	7,800	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	8/12/2013	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
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart, 6000 Portal Way, Ferndale

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-200.8 Lead (Dissolved) µg/L
MTCA Method A Clean-up Levels		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	15
MW-7	7/26/2005	130,000	14,000	5,100	24,000	29,000	1,700	14,000	ND(<1500)	NA	NA	NA
	10/26/2006	ND(<50)	1,600	790	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/14/2007	ND(<50)	900	540	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	7/11/2007	ND(<50)	320	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	NA	NA	NA
	2/27/2008	ND(<50)	500	280	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	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
	2/24/2009	56	340	250	ND(<1)	ND(<1)	1	ND(<3)	ND(<3)	NA	NA	NA
	2/9/2010	ND(<50)	500	310	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	11/9/2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	2/16/2011	1,100	ND(<130)	ND(<250)	15	34	25	250	ND(<3)	NA	NA	NA
	11/3/2011	ND(<50)	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	ND(<3)	NA	NA	NA	NA
	5/23/2013	460	510	ND(<250)	3.3	69	1.7	60.0	ND(<3)	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
	8/12/2013	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
2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
MW-8	5/22/2013	6,100	ND(<250)	ND(<250)	43	6.4	5.9	16.0	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	8/12/2013	990	ND(<250)	ND(<250)	2.5	2.6	2.3	3.7	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	11/14/2013	960	250	ND(<250)	ND(<1)	2.2	1.6	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	2/6/2014	1,700	160	ND(<250)	46.0	24.0	3.4	12.0	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
MW-9	5/22/2013	4,000	ND(<250)	ND(<250)	40	5.9	9.7	49.0	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	8/12/2013	3,500	ND(<250)	ND(<250)	22	2.4	8.7	57.0	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	11/14/2013	1,000	ND(<130)	ND(<250)	6.3	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	11/14/13 (dup. MW-15)	970	ND(<130)	ND(<250)	5.2	ND(<1)	ND(<1)	3.5	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	2/6/2014	800	ND(<130)	ND(<250)	ND(<1)	ND(<1)	ND(<1)	7.8	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
MW-10	5/22/2013	12,000	ND(<250)	ND(<250)	3.9	1,200	180	1,600	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	8/12/2013	2,400	ND(<130)	ND(<250)	6.9	130	38	290	ND(<6)	ND(<0.02)	ND(<0.01)	ND(<1)
	11/14/2013	690	ND(<130)	ND(<250)	1.7	87	5.1	78	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	2/6/2014	6,300	270	ND(<250)	ND(<5)	510	60.0	1,000	ND(<15)	ND(<0.02)	ND(<0.01)	ND(<1)
MW-11	5/22/2013	41,000	ND(<2500)	ND(<250)	18	2,400	740	7,300	ND(<30)	ND(<0.02)	ND(<0.01)	ND(<1)
	8/12/2013	39,000	ND(<630)	ND(<250)	66	2,100	910	7,200	ND(<75)	ND(<0.02)	ND(<0.01)	ND(<1)
	11/14/2013	20,000	1,500	ND(<250)	ND(<20)	1,300	430	4,200	ND(<60)	ND(<0.02)	ND(<0.01)	ND(<1)
	2/6/2014	34,000	2,500	ND(<250)	ND(<25)	1,600	660	6,800	ND(<75)	ND(<0.02)	ND(<0.01)	ND(<1)
MW-12	5/22/2013	31,000	ND(<2500)	ND(<250)	120	880	290	5,900	ND(<75)	ND(<0.02)	ND(<0.01)	ND(<1)
	8/13/2013	41,000	ND(<1300)	ND(<250)	ND(<50)	1,000	400	8,400	ND(<150)	ND(<0.02)	ND(<0.01)	ND(<1)
	8/13/13 (dup. MW-15)	37,000	ND(<630)	ND(<250)	ND(<25)	880	340	7,500	ND(<75)	ND(<0.02)	ND(<0.01)	ND(<1)
	11/14/2013	14,000	2,500	ND(<250)	ND(<10)	220	110	2,800	ND(<30)	ND(<0.02)	ND(<0.01)	ND(<1)
	2/6/2014	14,000	2,800	ND(<250)	ND(<10)	310	130	2,800	ND(<30)	ND(<0.02)	ND(<0.01)	ND(<1)
	2/6/2014 (dup. MW-15)	12,000	2,200	ND(<250)	ND(<10)	250	110	2,400	ND(<30)	ND(<0.02)	ND(<0.01)	ND(<1)

Table 4. Groundwater Sample Analytical Results - Kris's Mini Mart, 6000 Portal Way, Ferndale

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-200.8 Lead (Dissolved) µg/L
MTCA Method A Clean-up Levels		1,000/800*	500	500	5	1,000	700	1,000	20	5	0.01	15
MW-13	5/22/2013	2,000	ND(<250)	ND(<250)	8.3	6.8	38	200	ND(<3)	ND(<0.02)	ND(<0.01)	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)	ND(<1)
	11/14/2013	3,100	320	ND(<250)	ND(<5)	57	48	700	ND(<15)	ND(<0.02)	ND(<0.01)	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)	ND(<1)
MW-14	5/22/2013	460	1,000	ND(<250)	ND(<1)	ND(<1)	6.9	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
	5/22/2013 (dup. MW-15)	480	890	ND(<250)	ND(<1)	ND(<1)	6.8	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	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)	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)	ND(<1)
	2/7/2014	ND(<50)	470	550	ND(<1)	ND(<1)	ND(<1)	ND(<3)	ND(<3)	ND(<0.02)	ND(<0.01)	ND(<1)
Equipment Blank	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
	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
	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
	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
	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

* - 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 selected analyte concentration was reported above the MTCA Method A cleanup level

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

** - 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

**Table 5. Groundwater Chemistry Parameters
Kris's Mini Mart, 6000 Portal Way, Ferndale**

Well ID	Date	DTW (ft)	Temp (°C)	EC (mS/cm)	TDS	Salinity	DO (mg/L)	pH	ORP (mV)
MW-1	5/23/2013	3.71	17.43	0.091	0.059	0.04	0.05	6.64	40.7
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	5/23/2013	4.05	16.31	0.057	0.037	0.03	2.85	6.59	96.9
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	5/23/2013	3.64	15.41	0.235	0.152	0.11	2.62	6.65	120.3
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA
MW-4	5/23/2013	3.9	14.99	0.262	0.171	0.13	2.83	6.93	85.5
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA
MW-5	5/23/2013	3.72	12.19	0.337	0.219	0.16	0.24	6.84	96.3
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA
MW-6	5/23/2013	3.93	14.14	0.341	0.221	0.16	0.07	6.46	10.8
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA
MW-7	5/23/2013	4.21	14.24	0.333	0.216	0.16	0.02	6.99	-13.4
	8/12/2013	NA	NA	NA	NA	NA	NA	NA	NA
	11/14/2013	NA	NA	NA	NA	NA	NA	NA	NA
	2/6/2014	NA	NA	NA	NA	NA	NA	NA	NA
MW-8	5/23/2013	4.05	14.53	0.221	0.144	0.11	0.28	6.44	-17.3
	8/12/2013	5.45	19.43	0.288	0.187	0.14	0.15	6.5	-58.6
	11/14/2013	4.44	14.73	0.231	0.15	0.11	0.03	6.9	-56.8
	2/6/2014	3.90	8.02	0.282	0.183	0.13	1.27	6.59	23.3
MW-9	5/23/2013	4.09	12.62	0.207	0.134	0.10	0.20	6.41	38.0
	8/12/2013	5.48	17.89	0.262	0.17	0.12	0.11	6.49	-67.4
	11/14/2013	4.47	15.17	0.258	0.168	0.12	0.19	6.67	9.1
	2/6/2014	3.95	8.19	0.208	0.135	0.10	1.57	6.61	72.9
MW-10	5/23/2013	4.22	13.46	0.309	0.201	0.15	0.15	6.6	16.1
	8/12/2013	5.63	17.4	0.283	0.184	0.14	0.12	6.67	-18.3
	11/14/2013	4.66	14.75	0.273	0.177	0.13	0.02	6.77	-47.4
	2/6/2014	4.06	9.23	0.274	0.178	0.13	0.16	6.73	-47.9
MW-11	5/23/2013	4.32	12.7	0.525	0.164	0.12	0.27	6.5	15.5
	8/12/2013	5.71	16.72	0.24	0.156	0.11	0.16	6.5	-48.6
	11/14/2013	4.71	15.13	0.236	0.153	0.11	0.02	7.08	-141.5
	2/6/2014	4.16	8.97	0.264	0.171	0.13	0.25	6.67	-45.1
MW-12	5/23/2013	4.19	12.64	0.287	0.187	0.14	0.17	6.63	28.6
	8/12/2013	5.55	17.17	0.25	0.163	0.12	1.06	6.58	-17.2
	11/14/2013	4.58	16.67	0.259	0.169	0.12	0.04	6.89	-90.6
	2/6/2014	4.02	9.84	0.289	0.188	0.14	0.32	6.81	-32.5
MW-13	5/23/2013	3.87	14.95	0.24	0.156	0.11	0.13	6.58	44.6
	8/12/2013	5.29	19.71	0.283	0.184	0.13	0.56	6.66	35.3
	11/14/2013	4.32	15.48	0.287	0.186	0.14	0.27	6.74	-13
	2/7/2014	3.69	9.89	0.286	0.186	0.14	3.02	6.66	30.0
MW-14	5/23/2013	3.99	14.38	0.274	0.178	0.13	0.32	6.76	40.8
	8/12/2013	5.36	21.02	0.246	0.16	0.12	1.24	6.86	34.1
	11/14/2013	4.25	16.73	0.276	0.179	0.13	1.57	6.97	48.7
	2/7/2014	3.82	10.92	0.280	0.182	0.13	0.44	7.01	46.2

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

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
7.5 to 9.0 ft: Medium sand, minor gravel brown, loose, wet	4-5-10	128 @8.5'	NS	8.5'
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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NS = No Sheen; VSS = Very Slight Sheen; SS = Slight Sheen; MS = Moderate Sheen; HS = Heavy Sheen

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'

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

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

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>				

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

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

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)

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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			
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)		1		
2.6 to 5.0 ft: Medium sand, brown, loose, moist (wet below 4 feet bgs)		350 @ 4 ft		
5.0 to 6.5 ft: Medium sand, brown, loose, wet	5-17-22	525 @ 5 ft 550 @ 6 ft 1,516 @ 6.5 ft	MS MS MS	6.5'
10.0 to 11.5 ft: Medium sand, brown, loose, wet	10-22-50 for 6"	250 @ 10 ft 165 @ 10.25 ft 447 @ 11 ft	SS MS	
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				
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	VSS	
1.25 to 5.0 ft: Medium sand, brown, loose, moist (wet below 4 feet)		0.0	VSS	
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
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	SS	2'
		@ 2 ft		
		2		
		@ 4 ft		
5.0 to 6.5 ft: Medium sand, brown, loose, wet	0-0-1	3.8	SS	6'
		@ 6 ft		
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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APPENDIX B

Soil Physical Properties Analysis



8100 Secura Way • Santa Fe Springs, CA 90670
Telephone (562) 347-2500 • Fax (562) 907-3610

May 31, 2013

Harold Cashman
Whatcom Environmental Services
228 E. Champion Street, Suite 101
Bellingham, WA 98225

Re: PTS File No: 43321
Physical Properties Data
Kris's Mini Mart

Dear Mr. Cashman:

Please find enclosed report for Physical Properties analyses conducted upon samples received from your Kris's Mini Mart project. All analyses were performed by applicable ASTM, EPA, or API methodologies. An electronic version of the report has previously been sent to your attention via the internet. The samples are currently in storage and will be retained for thirty days past completion of testing at no charge. Please note that the samples will be disposed of at that time. You may contact me regarding storage, disposal, or return of the samples.

PTS Laboratories appreciates the opportunity to be of service. If you have any questions or require additional information, please contact Rachel Spitz at (562) 347-2504.

Sincerely,
PTS Laboratories

Michael Mark Brady, P.G.
District Manager

Encl.

PTS Laboratories

Project Name: Kris's Mini Mart
 Project Number: N/A

PTS File No: 43321
 Client: Whatcom Environmental Services

TEST PROGRAM - 20130515

CORE ID	Depth ft.	Core Recovery ft.	New Mexico RBDM Pkg.				Notes
		Plugs:	Vert. 1"				
Date Received: 20130515							
B-8 5.5-6.0	5.5-6	0.50	X				
B-10 8.0-8.5	8-8.5	0.50	X				
B-10 13.0-13.5	13-13.5	0.50	X				
B-13 5.5-6.0	5.5-6	0.50	X				
TOTALS:	4 cores	2.00	4				4

Laboratory Test Program Notes

Contaminant identification: _____

Standard TAT for basic analysis is 10 business days.

New Mexico RBDM Package: Intrinsic permeability to water/hydraulic conductivity, total porosity, air-filled porosity, dry bulk density, volumetric moisture content, foc, and grain size analyses.

PTS File No: 43321
 Client: Whatcom Environmental Services

PHYSICAL PROPERTIES DATA - NEW MEXICO PACKAGE RBDM

PROJECT NAME: Kris's Mini Mart
 PROJECT NO: N/A

SAMPLE ID.	DEPTH, ft.	SAMPLE ORIENTATION (1)	ANALYSIS DATE	METHODS:		GRAIN DENSITY [g/cm ³]	DRY BULK DENSITY [g/cm ³]	METHODS:			25.0 PSI CONFINING STRESS	
				API RP40	ASTM D2216/API RP40			API RP40	API RP 40; EPA 8100			
					VOLUMETRIC WATER CONTENT AS FRACTION OF V _b [cm ³ /cm ³]			TOTAL MEASURED POROSITY [cm ³ /cm ³]	AIR FILLED POROSITY [cm ³ /cm ³]	INTRINSIC PERMEABILITY TO WATER [cm ²]	NATIVE HYDRAULIC CONDUCTIVITY [cm/sec]	
B-8 5.5-6.0	5.6	V	20130521			2.71	1.49	0.452	0.234	0.217	1.09E-07	1.12E-02
B-10 8.0-8.5	8.1	V	20130521			2.70	1.54	0.429	0.112	0.317	2.29E-08	2.33E-03
B-10 13.0-13.5	13.1	V	20130521			2.71	1.57	0.419	0.191	0.229	7.16E-08	7.23E-03
B-13 5.5-6.0	5.6	V	20130521			2.70	1.63	0.397	0.177	0.220	5.46E-08	5.48E-03

(1) Sample Orientation: H = horizontal; V = vertical; R = remold (2) Native State or Effective = With as-received pore fluids in place (3) Permeability to water and hydraulic conductivity measured at saturated conditions

PTS File No: 43321
 Client: Whatcom Environmental Services

ORGANIC CARBON DATA - TOC (foc)

(METHODOLOGY: WALKLEY-BLACK)

PROJECT NAME: Kris's Mini Mart
 PROJECT NO: N/A

SAMPLE ID	DEPTH, ft.	ANALYSIS DATE	ANALYSIS TIME	SAMPLE MATRIX	TOTAL ORGANIC CARBON, mg/kg	FRACTION ORGANIC CARBON, g/g
B-8 5.5-6.0	5.6	20130528	1032	SOIL	2350	2.35E-03
B-10 8.0-8.5	8.1	20130528	1032	SOIL	4550	4.55E-03
B-10 13.0-13.5	13.1	20130528	1032	SOIL	1450	1.45E-03
B-13 5.5-6.0	5.6	20130528	1032	SOIL	4000	4.00E-03

Blank	N/A	20130528	1032	BLANK	ND	ND
SRM D079-542	N/A	20130528	1032	SRM	3300	3.30E-03

Reporting Limit: 100 1.00E-04

QC DATA

SRM ID/Lot No.	REC (%)	Control Limits	Certified Concentration mg/kg	QC Performance Acceptance Limits, mg/kg	
				Lower	Upper
SRM D079-542	97	75-125	3400	2550	4250

ND = Not Detected

PARTICLE SIZE SUMMARY
 (METHODOLOGY: ASTM D422)

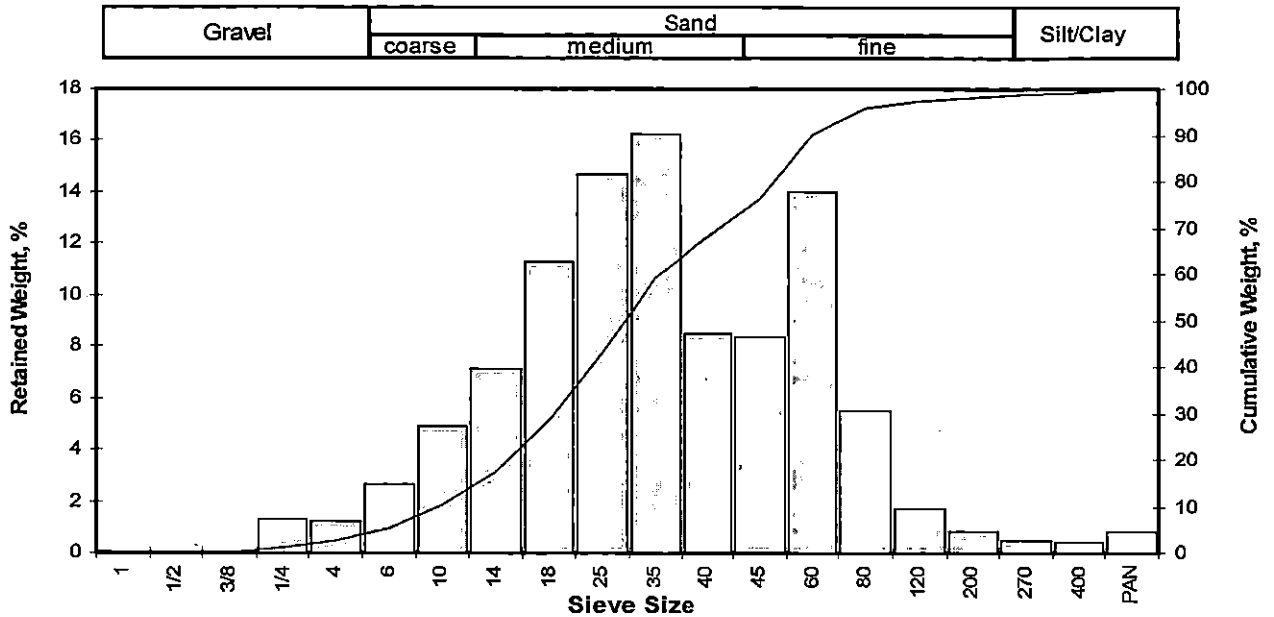
PROJECT NAME: Kris's Mini Mart
 PROJECT NO: N/A

Sample ID	Depth, ft.	Description USCS/ASTM (1)	Median Grain Size, mm	Particle Size Distribution, wt. percent				
				Gravel	Sand Size			Silt/Clay
					Coarse	Medium	Fine	
B-8 5.5-6.0	5.6	Medium sand	0.611	2.50	7.59	57.81	30.39	1.70
B-10 8.0-8.5	8.1	Medium sand	0.481	0.70	2.89	57.95	35.52	2.94
B-10 13.0-13.5	13.1	Medium sand	0.550	2.10	3.96	64.65	25.07	4.23
B-13 5.5-6.0	5.6	Medium sand	0.887	5.14	13.59	67.64	10.95	2.69

(1) based on Mean from Trask

Client: Whatcom Environmental Services
Project: Kris's Mini Mart
Project No.: N/A

PTS File No.: 43321
Sample ID: B-8 5.5-6.0
Depth, ft: 5.6



Opening		Phi of Screen	U.S. Sieve No.	Sample Weight grams	Incremental Weight, percent	Cumulative Weight, percent
Inches	Millimeters					
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	0.00	0.00	0.00
0.3740	9.500	-3.25	3/8	0.00	0.00	0.00
0.2500	6.351	-2.67	1/4	1.91	1.30	1.30
0.1873	4.757	-2.25	4	1.75	1.20	2.50
0.1324	3.364	-1.75	6	3.92	2.68	5.18
0.0787	2.000	-1.00	10	7.20	4.92	10.09
0.0557	1.414	-0.50	14	10.44	7.13	17.22
0.0394	1.000	0.00	18	16.52	11.28	28.51
0.0278	0.707	0.50	25	21.47	14.66	43.17
0.0197	0.500	1.00	35	23.81	16.26	59.43
0.0166	0.420	1.25	40	12.41	8.48	67.91
0.0139	0.354	1.50	45	12.25	8.37	76.27
0.0098	0.250	2.00	60	20.50	14.00	90.27
0.0070	0.177	2.50	80	8.02	5.48	95.75
0.0049	0.125	3.00	120	2.53	1.73	97.48
0.0029	0.074	3.75	200	1.20	0.82	98.30
0.0021	0.053	4.25	270	0.66	0.45	98.75
0.0015	0.037	4.75	400	0.63	0.43	99.18
			PAN	1.20	0.82	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size	
		Inches	Millimeters
5	-1.78	0.1355	3.441
10	-1.01	0.0795	2.020
16	-0.59	0.0591	1.501
25	-0.16	0.0438	1.114
40	0.39	0.0300	0.762
50	0.71	0.0241	0.611
60	1.02	0.0195	0.494
75	1.46	0.0143	0.363
84	1.78	0.0115	0.292
90	1.99	0.0099	0.252
95	2.43	0.0073	0.185

Measure	Trask	Inman	Folk-Ward
Median, phi	0.71	0.71	0.71
Median, in.	0.0241	0.0241	0.0241
Median, mm	0.611	0.611	0.611
Mean, phi	0.44	0.60	0.63
Mean, in.	0.0291	0.0261	0.0254
Mean, mm	0.738	0.662	0.645
Sorting	1.752	1.181	1.229
Skewness	1.040	-0.097	-0.140
Kurtosis	0.212	0.784	1.068

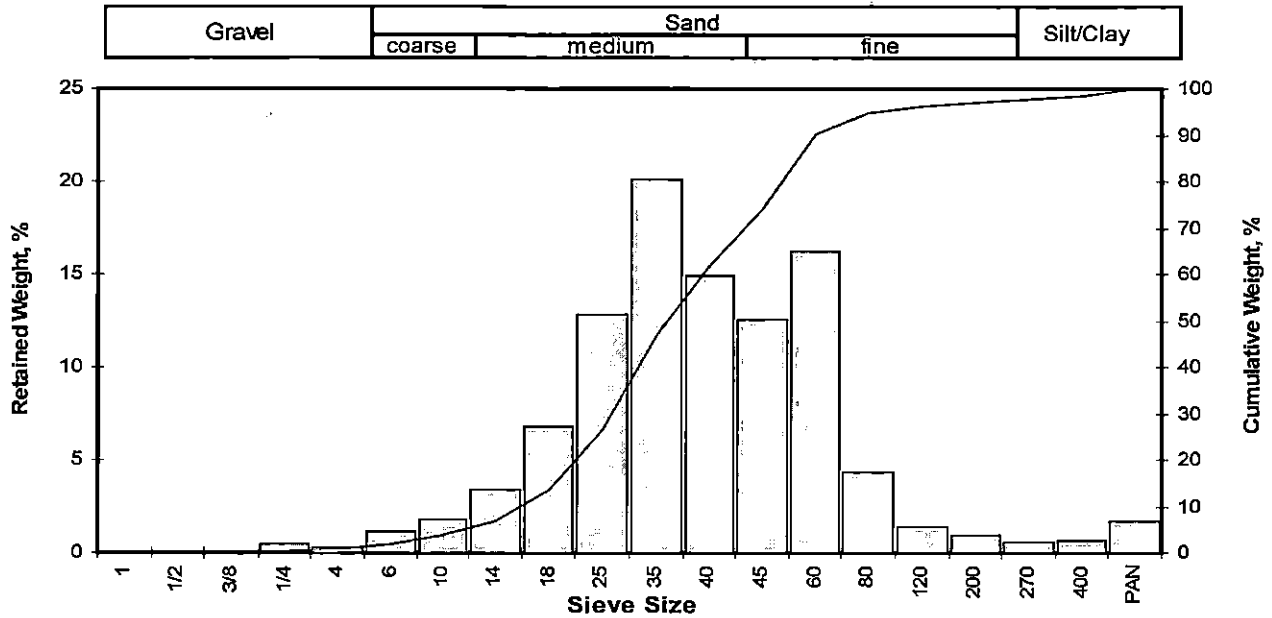
Grain Size Description (ASTM-USCS Scale) Medium sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	2.50
Coarse Sand	10	7.59
Medium Sand	40	57.81
Fine Sand	200	30.39
Silt/Clay	<200	1.70
TOTALS	Total	100

TOTALS				146.42	100.00	100.00
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Client: Whatcom Environmental Services
Project: Kris's Mini Mart
Project No.: N/A

PTS File No.: 43321
Sample ID: B-10 8.0-8.5
Depth, ft: 8.1



Opening		Phi of Screen	U.S. Sieve No.	Sample Weight grams	Incremental Weight, percent	Cumulative Weight, percent
Inches	Millimeters					
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	0.00	0.00	0.00
0.3740	9.500	-3.25	3/8	0.00	0.00	0.00
0.2500	6.351	-2.67	1/4	0.75	0.43	0.43
0.1873	4.757	-2.25	4	0.48	0.27	0.70
0.1324	3.364	-1.75	6	1.97	1.12	1.81
0.0787	2.000	-1.00	10	3.13	1.78	3.59
0.0557	1.414	-0.50	14	5.91	3.35	6.94
0.0394	1.000	0.00	18	11.93	6.77	13.71
0.0278	0.707	0.50	25	22.57	12.80	26.51
0.0197	0.500	1.00	35	35.46	20.11	46.62
0.0166	0.420	1.25	40	28.31	14.92	61.55
0.0139	0.354	1.50	45	22.20	12.59	74.14
0.0098	0.250	2.00	60	28.53	16.18	90.32
0.0070	0.177	2.50	80	7.73	4.38	94.70
0.0049	0.125	3.00	120	2.56	1.45	96.15
0.0029	0.074	3.75	200	1.60	0.91	97.06
0.0021	0.053	4.25	270	1.06	0.60	97.66
0.0015	0.037	4.75	400	1.19	0.67	98.34
			PAN	2.93	1.66	100.00
TOTALS				176.31	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size	
		Inches	Millimeters
5	-0.79	0.0681	1.729
10	-0.27	0.0476	1.209
16	0.09	0.0370	0.940
25	0.44	0.0290	0.737
40	0.84	0.0221	0.560
50	1.06	0.0189	0.481
60	1.22	0.0169	0.428
75	1.53	0.0137	0.347
84	1.80	0.0113	0.286
90	1.99	0.0099	0.252
95	2.60	0.0065	0.165

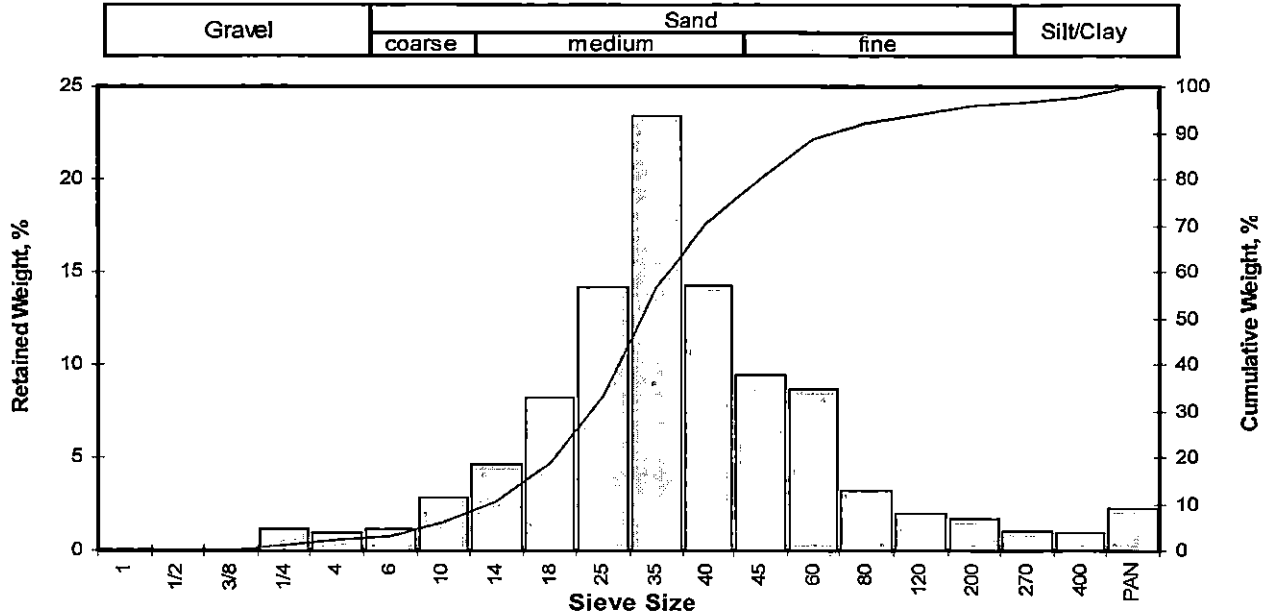
Measure	Trask	Inman	Folk-Ward
Median, phi	1.06	1.06	1.06
Median, in.	0.0189	0.0189	0.0189
Median, mm	0.481	0.481	0.481
Mean, phi	0.88	0.95	0.98
Mean, in.	0.0213	0.0204	0.0199
Mean, mm	0.542	0.519	0.506
Sorting	1.457	0.858	0.943
Skewness	1.052	-0.128	-0.108
Kurtosis	0.203	0.978	1.281

Grain Size Description (ASTM-USCS Scale) Medium sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	0.70
Coarse Sand	10	2.89
Medium Sand	40	57.95
Fine Sand	200	35.52
Silt/Clay	<200	2.94
Total		100

Client: Whatcom Environmental Services
Project: Kris's Mini Mart
Project No: N/A

PTS File No: 43321
Sample ID: B-10 13.0-13.5
Depth, ft: 13.1



Opening		Phi of Screen	U.S. Sieve No.	Sample Weight grams	Incremental Weight, percent	Cumulative Weight, percent
Inches	Millimeters					
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	0.00	0.00	0.00
0.3740	9.500	-3.25	3/8	0.00	0.00	0.00
0.2500	6.351	-2.67	1/4	1.76	1.18	1.18
0.1873	4.757	-2.25	4	1.38	0.92	2.10
0.1324	3.364	-1.75	6	1.63	1.09	3.19
0.0787	2.000	-1.00	10	4.29	2.87	6.06
0.0557	1.414	-0.50	14	6.95	4.65	10.71
0.0394	1.000	0.00	18	12.26	8.20	18.91
0.0278	0.707	0.50	25	21.13	14.13	33.04
0.0197	0.500	1.00	35	35.00	23.41	56.44
0.0166	0.420	1.25	40	21.33	14.26	70.71
0.0139	0.354	1.50	45	14.16	9.47	80.18
0.0098	0.250	2.00	60	12.99	8.69	88.87
0.0070	0.177	2.50	80	4.83	3.23	92.10
0.0049	0.125	3.00	120	2.95	1.97	94.07
0.0029	0.074	3.75	200	2.55	1.71	95.77
0.0021	0.053	4.25	270	1.52	1.02	96.79
0.0015	0.037	4.75	400	1.36	0.91	97.70
			PAN	3.44	2.30	100.00
TOTALS				149.53	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size	
		Inches	Millimeters
5	-1.28	0.0954	2.423
10	-0.58	0.0587	1.491
16	-0.18	0.0445	1.131
25	0.22	0.0339	0.861
40	0.65	0.0251	0.638
50	0.86	0.0217	0.550
60	1.06	0.0189	0.479
75	1.36	0.0153	0.389
84	1.72	0.0120	0.304
90	2.18	0.0087	0.221
95	3.41	0.0037	0.094

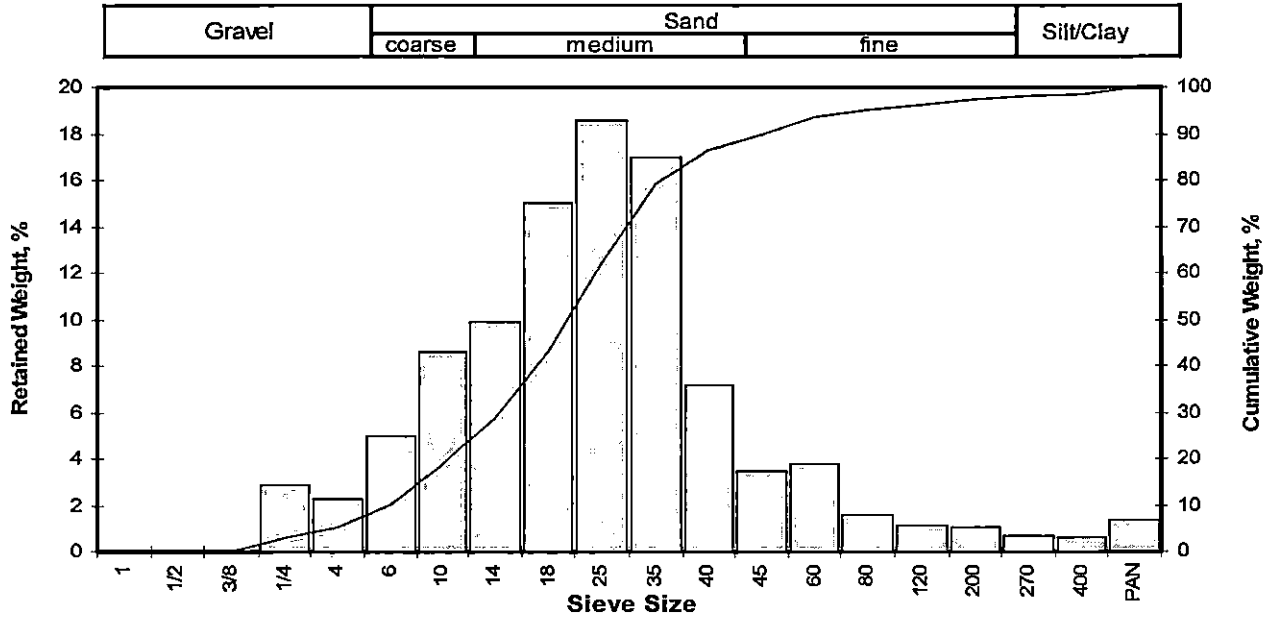
Measure	Trask	Inman	Folk-Ward
Median, phi	0.86	0.86	0.86
Median, in.	0.0217	0.0217	0.0217
Median, mm	0.550	0.550	0.550
Mean, phi	0.68	0.77	0.80
Mean, in.	0.0246	0.0231	0.0226
Mean, mm	0.625	0.586	0.574
Sorting	1.488	0.949	1.184
Skewness	1.052	-0.096	-0.004
Kurtosis	0.186	1.470	1.674

Grain Size Description (ASTM-USCS Scale) Medium sand (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	2.10
Coarse Sand	10	3.96
Medium Sand	40	64.65
Fine Sand	200	25.07
Silt/Clay	<200	4.23
Total		100

Client: Whatcom Environmental Services
Project: Kris's Mini Mart
Project No.: N/A

PTS File No.: 43321
Sample ID: B-13 5.5-6.0
Depth, ft.: 5.6



Opening		Phi of Screen	U.S. Sieve No.	Sample Weight grams	Incremental Weight, percent	Cumulative Weight, percent
Inches	Millimeters					
0.9844	25.002	-4.64	1	0.00	0.00	0.00
0.4922	12.501	-3.64	1/2	0.00	0.00	0.00
0.3740	9.500	-3.25	3/8	0.00	0.00	0.00
0.2500	6.351	-2.67	1/4	5.12	2.88	2.88
0.1873	4.757	-2.25	4	4.02	2.26	5.14
0.1324	3.364	-1.75	6	8.86	4.98	10.12
0.0787	2.000	-1.00	10	15.31	8.61	18.73
0.0557	1.414	-0.50	14	17.55	9.87	28.59
0.0394	1.000	0.00	18	26.66	14.99	43.58
0.0278	0.707	0.50	25	33.08	18.60	62.18
0.0197	0.500	1.00	35	30.25	17.01	79.19
0.0166	0.420	1.25	40	12.11	7.18	86.37
0.0139	0.354	1.50	45	6.11	3.44	89.80
0.0098	0.250	2.00	60	6.66	3.74	93.55
0.0070	0.177	2.50	80	2.87	1.61	95.16
0.0049	0.125	3.00	120	1.96	1.10	96.26
0.0029	0.074	3.75	200	1.87	1.05	97.31
0.0021	0.053	4.25	270	1.20	0.67	97.99
0.0015	0.037	4.75	400	1.13	0.64	98.62
			PAN	2.45	1.38	100.00
TOTALS				177.87	100.00	100.00

Cumulative Weight Percent greater than			
Weight percent	Phi Value	Particle Size	
		Inches	Millimeters
5	-2.28	0.1906	4.842
10	-1.76	0.1335	3.392
16	-1.24	0.0928	2.358
25	-0.68	0.0632	1.604
40	-0.12	0.0428	1.086
50	0.17	0.0349	0.887
60	0.44	0.0290	0.736
75	0.88	0.0214	0.545
84	1.17	0.0175	0.445
90	1.53	0.0137	0.347
95	2.45	0.0072	0.183

Measure	Trask	Inman	Folk-Ward
Median, phi	0.17	0.17	0.17
Median, in.	0.0349	0.0349	0.0349
Median, mm	0.887	0.887	0.887
Mean, phi	-0.10	-0.04	0.03
Mean, in.	0.0423	0.0403	0.0384
Mean, mm	1.075	1.025	0.977
Sorting	1.717	1.203	1.317
Skewness	1.053	-0.173	-0.104
Kurtosis	0.174	0.965	1.242

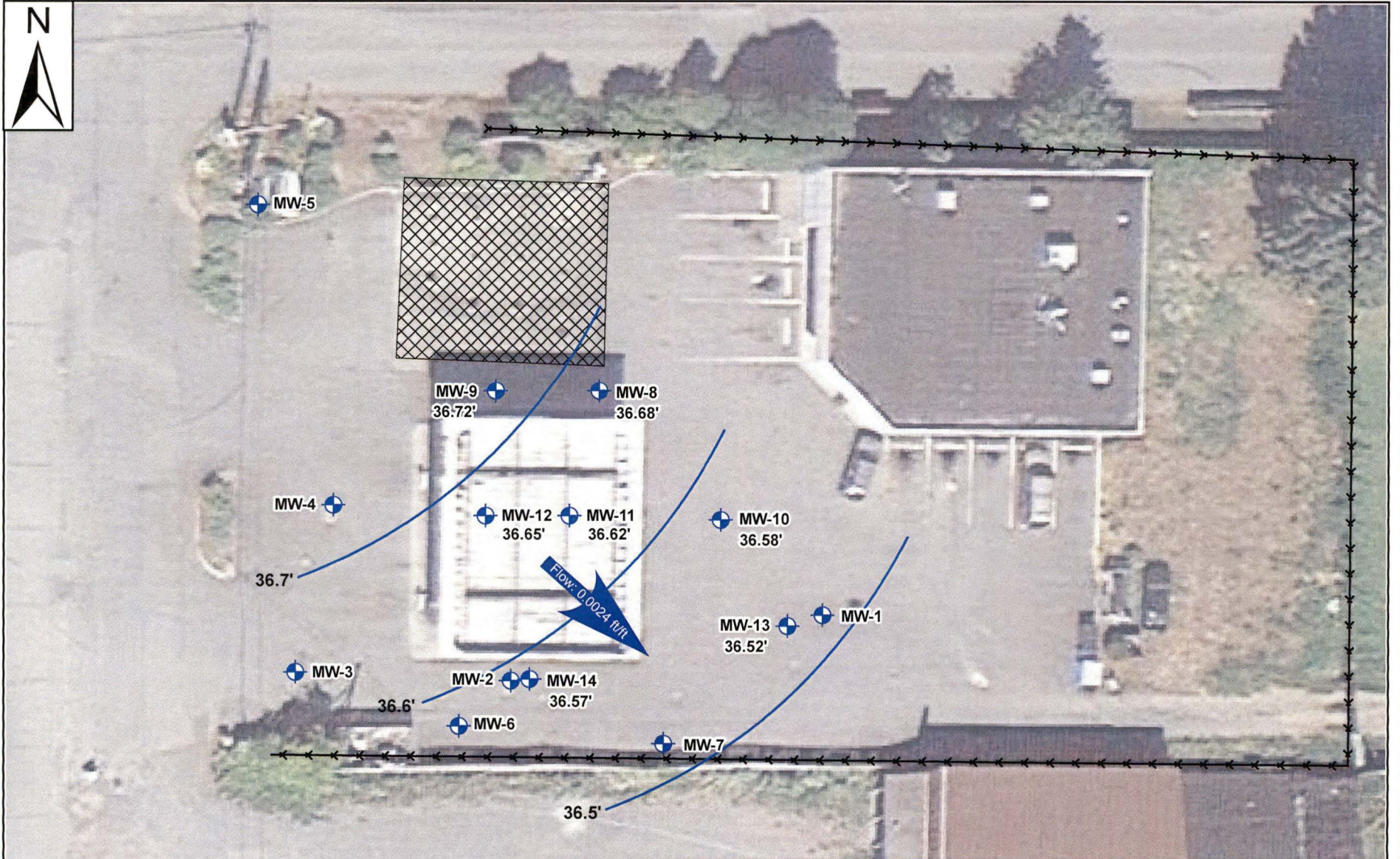
Grain Size Description (ASTM-USCS Scale) **Medium sand** (based on Mean from Trask)

Description	Retained on Sieve #	Weight Percent
Gravel	4	5.14
Coarse Sand	10	13.59
Medium Sand	40	67.64
Fine Sand	200	10.95
Silt/Clay	<200	2.69
Total		100

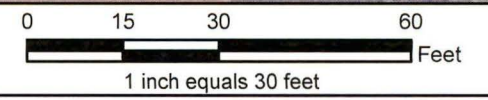
COMPANY <i>Whatcom Environmental Services</i>				ANALYSIS REQUEST												PO#														
ADDRESS CITY ZIP CODE 228 E. Champion St #101, Bellingham, WA 98225				NUMBER OF SAMPLES SOIL PROPERTIES PACKAGE HYDRAULIC CONDUCTIVITY PACKAGE PORE FLUID SATURATIONS PACKAGE TCEQ/TNRC PROPERTIES PACKAGE CAPILLARITY PACKAGE FLUID PROPERTIES PACKAGE PHOTOLOG: CORE PHOTOGRAPHY MOISTURE CONTENT, ASTM D2216 POROSITY: TOTAL, API RP40 POROSITY: EFFECTIVE, ASTM D426M SPECIFIC GRAVITY, ASTM D854 BULK DENSITY (DRY), API RP40 or ASTM D2837 AIR PERMEABILITY, API RP40 HYDRAULIC CONDUCTIVITY, EPAS100, API RP40, D6084 GRAIN SIZE DISTRIBUTION, ASTM D422/44/64M TOC: WALKLEY-BLACK ATTERBERG LIMITS, ASTM D4318	New Mexico KESM Parameters												TURNAROUND TIME 24 HOURS <input type="checkbox"/> 5 DAYS <input type="checkbox"/> 48 HOURS <input type="checkbox"/> .NORMAL <input checked="" type="checkbox"/> 72 HOURS <input type="checkbox"/> OTHER: _____													
PROJECT MANAGER Harold Cashman																	SAMPLE INTEGRITY (CHECK): INTACT _____ ON ICE _____													
PROJECT NAME PHONE NUMBER Kris's Mini Mart (360) 752-9571																	PTS QUOTE NO.													
PROJECT NUMBER FAX NUMBER (360) 752-9573																	PTS FILE: 43321													
SITE LOCATION Ferndale, WA																	COMMENTS													
SAMPLER SIGNATURE 																														
SAMPLE ID NUMBER	DATE	TIME	DEPTH, FT																											
✓ B-8 5.5-6.0	5/7/13		5.5-6.0																											
✓ B-10 8.0-8.5	5/8/13		8.0-8.5																											
✓ B-10 13.0-13.5	5/8/13		13.0-13.5																											
✓ B-13 5.5-6.0	5/7/13		5.5-6.0																											
			70.8°F																											
1. RELINQUISHED BY 				2. RECEIVED BY 				3. RELINQUISHED BY				4. RECEIVED BY																		
COMPANY Whatcom Environmental				COMPANY PTS LABS				COMPANY				COMPANY																		
DATE 5/13/13		TIME 2:45		DATE 5/15/13		TIME 14:10		DATE		TIME		DATE		TIME																

APPENDIX C

Groundwater Contour Maps



All data are approximate and should be used as relative location reference only.
2011 Aerial Photograph (GoogleEarth)



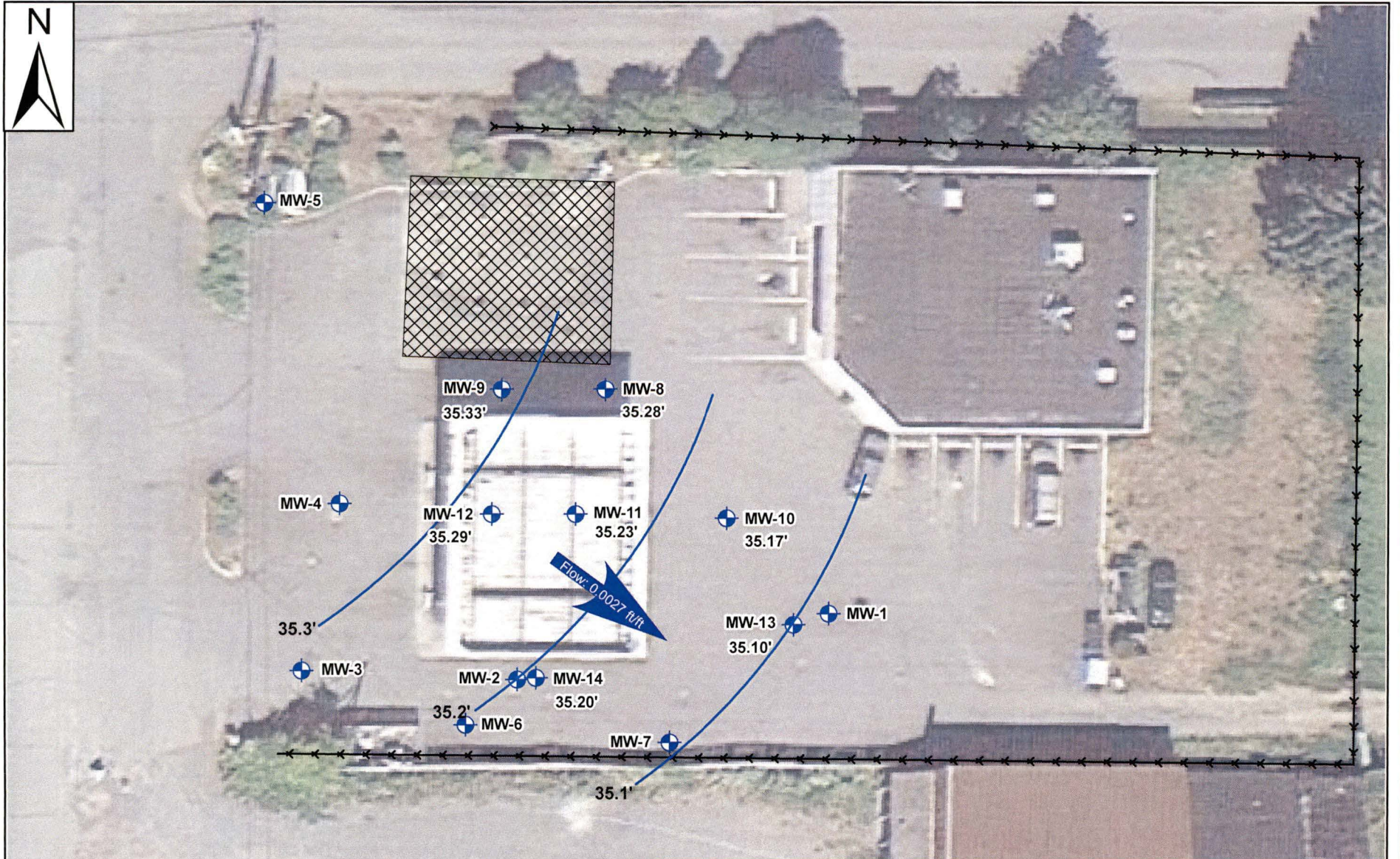
— GW Elevation Contours 5/22/13
 Monitoring Wells

Prepared for:
Kris's Mini Mart

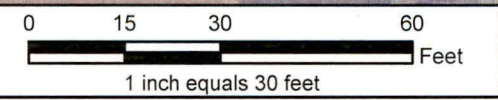
Prepared by:

Groundwater Countour Map (5/22/2013)

Kris's Mini Mart	Figure C-1
2/10/14	



All data are approximate and should be used as relative location reference only.
2011 Aerial Photograph (GoogleEarth)



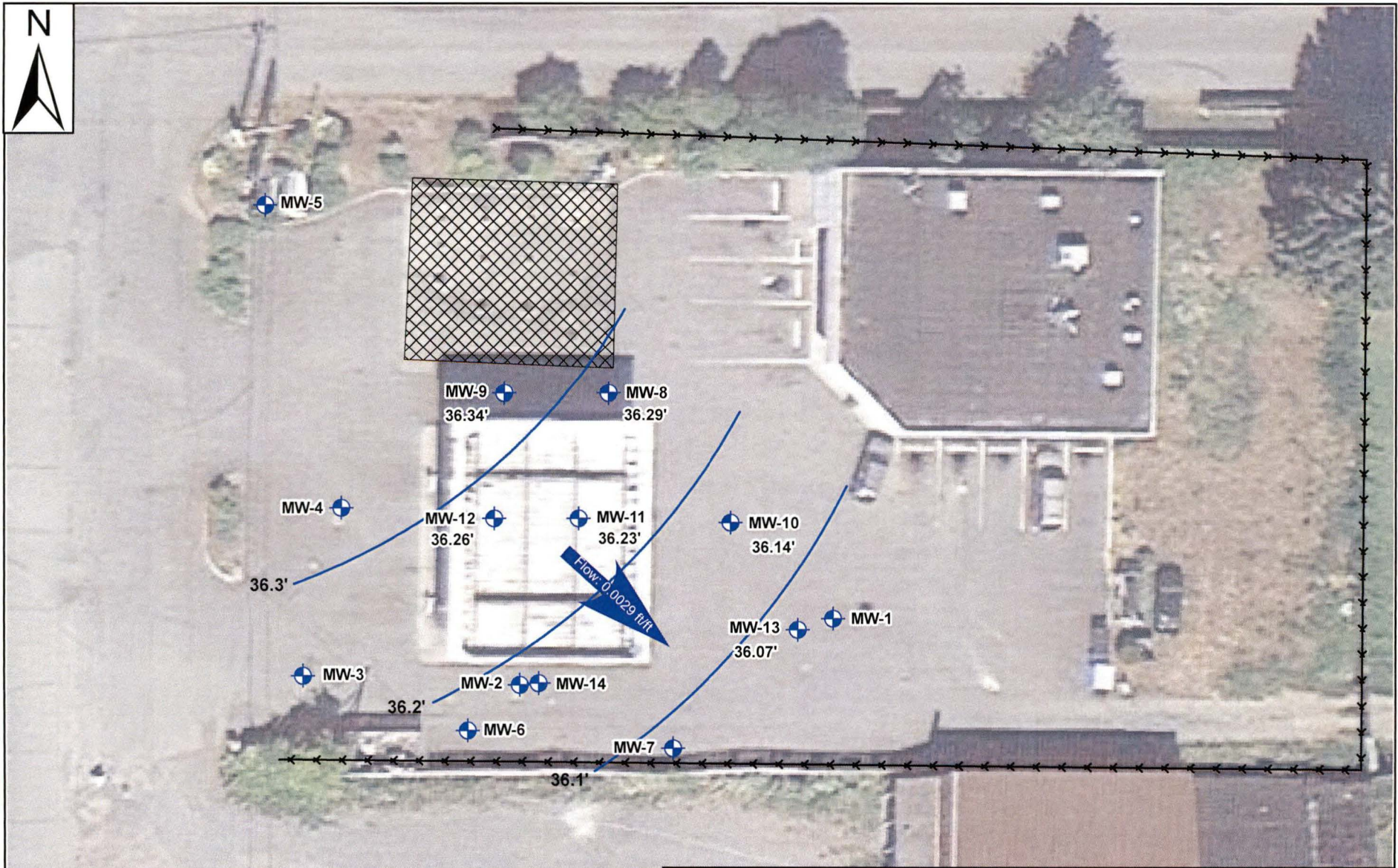
— GW Elevation Contour 8/12/13
● Monitoring Wells

Prepared for:
Kris's Mini Mart

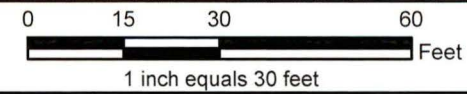
Prepared by:
nwhatcom
ENVIRONMENTAL

Groundwater Contour Map (8/12/2013)

Kris's Mini Mart	Figure C-2
2/10/14	



All data are approximate and should be used as relative location reference only.
2011 Aerial Photograph (GoogleEarth)



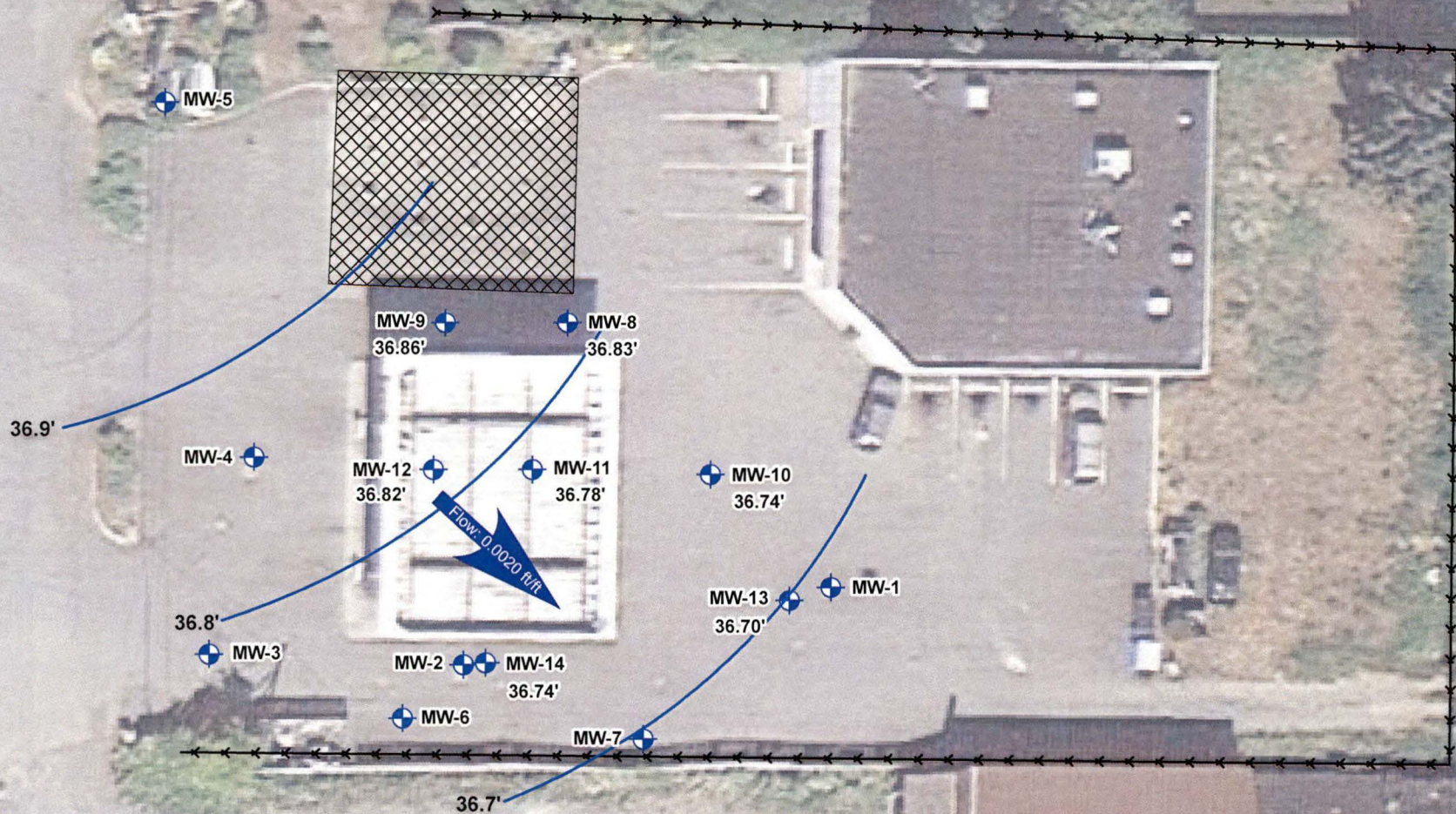
— GW Elevation Contours 11/14/13
⊕ Monitoring Wells

Prepared for:
Kris's Mini Mart

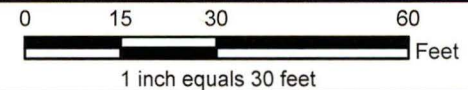
Prepared by:
nwhatcom
ENVIRONMENTAL

Groundwater Contour Map (11/14/2013)

Kris's Mini Mart	Figure C-3
2/10/14	



All data are approximate and should be used as relative location reference only.
2011 Aerial Photograph (GoogleEarth)



— GW Elevation Contours 2/6/14
● Monitoring Wells

Prepared for:
Kris's Mini Mart

Prepared by:
nwhatcom
ENVIRONMENTAL

Groundwater Contour
Map (2/6/2014)

Kris's Mini
Mart
2/10/14

Figure C-4

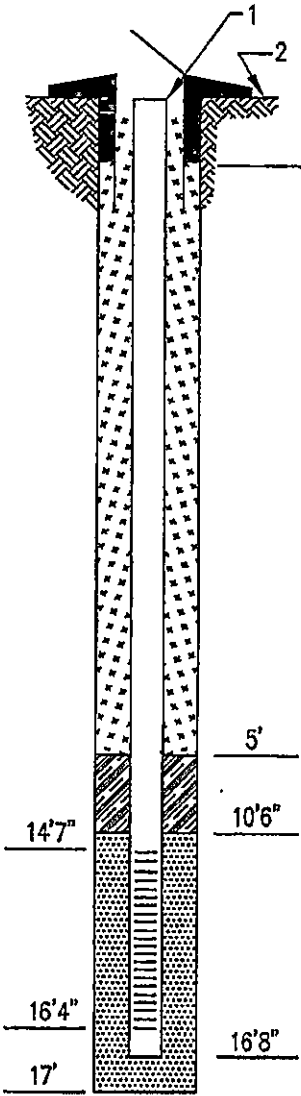
APPENDIX D

2003 Well Construction Diagrams

Sym	Samp Loc	PID (ppm)	Depth (Feet)	Geologic Description	Air Sparge Well Piezometer	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 <input type="checkbox"/> _____ Casing Diameter: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> _____ Screen Slot: <input type="checkbox"/> 0.008 <input checked="" type="checkbox"/> 0.010 <input type="checkbox"/> _____ Screen Style: <input checked="" type="checkbox"/> Machine Slot <input type="checkbox"/> Wire Wrap <input type="checkbox"/> _____ Sand Pack: Norton 10-20 Silica Sand Bentonite Seal: <input type="checkbox"/> 1/2" Pellets <input checked="" type="checkbox"/> Hole Plug <input type="checkbox"/> Slurry <input type="checkbox"/> 1/4" Pellets <input type="checkbox"/> _____ Grout Type: 3/8 Baroid _____ Weight: _____ Bare Hole Diameter: 1 1/2" Drill Rig: <input checked="" type="checkbox"/> Hollow Stem <input type="checkbox"/> Rotary <input type="checkbox"/> _____ Drilled By: <u>Holocene Drilling- Matt Graham</u> Logged By: <u>Harold Cashman</u> Completion Date: <u>5/29/03</u>																																				
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						AS-1																																				
						Project: Sievers Location: 6000 Portal Way																																				
				METHOD <input type="checkbox"/> SS=Split Spoon <input type="checkbox"/> C=Cuttings																																						

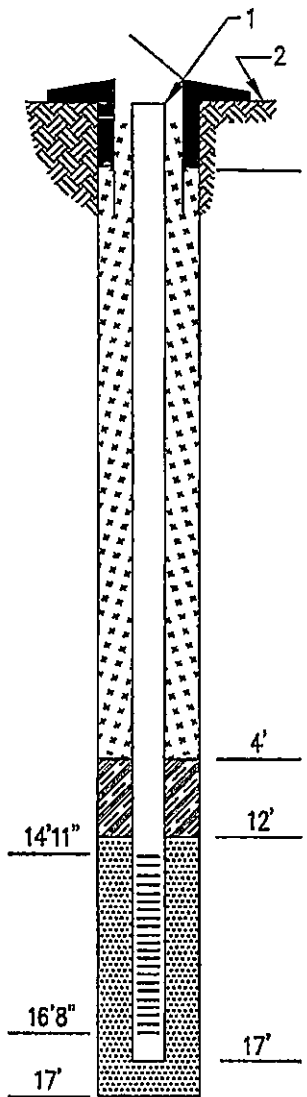
Depths in Feet
from Ground Surface
(Not to Scale)

Sym	Samp Loc	PID (ppm)	Depth (Feet)	Geologic Description	Air Sparge Well Piezometer	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 <input type="checkbox"/> _____ Casing Diameter: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> _____ Screen Slot: <input type="checkbox"/> 0.008 <input checked="" type="checkbox"/> 0.010 <input type="checkbox"/> _____ Screen Style: <input checked="" type="checkbox"/> Machine Slot <input type="checkbox"/> Wire Wrap <input type="checkbox"/> _____ 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 <input type="checkbox"/> _____ Grout Type: <u>3/8 Baroid</u> Weight: _____ Bore Hole Diameter: <u>1 1/2"</u> Drill Rig: <input checked="" type="checkbox"/> Hollow Stem <input type="checkbox"/> Rotary <input type="checkbox"/> _____ Drilled By: <u>Holocene Drilling-- Matt Graham</u> Logged By: <u>Harold Cashman</u> Completion Date: <u>5/29/03</u>																																				
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						Comments: <u>Slight sheen in cuttings</u> _____ _____ _____																																				
						Whatcom Environmental Services																																				
						AS-2																																				
						Project: <u>Sievers</u> Location: <u>6000 Portal Way</u>																																				
				Depths in Feet from Ground Surface (Not to Scale)																																						
				METHOD SS=Split Spoon C=Cuttings																																						

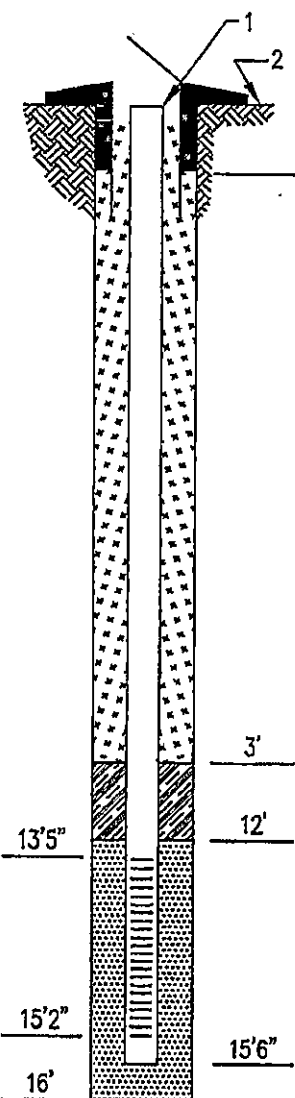
Sym	Samp Loc	PID (ppm)	Depth (Feet)	Geologic Description	Air Sparge Well Piezometer	Design Specifications																																									
					 <p style="text-align: center;">1 2</p> <p style="text-align: right;">5' 10'6" 14'7" 16'4" 17'</p> <p style="text-align: right;">5' 10'6" 16'8"</p> <p style="text-align: center;">Depths in Feet from Ground Surface (Not to Scale)</p>	<p>Elevations: (feet MSL) 1 _____ 2 _____</p> <p>Coordinates: X _____ Y _____</p> <p>Type of Casing: <input checked="" type="checkbox"/> PVC Sched. 40 Flush Thread <input type="checkbox"/> Stainless Steel <input type="checkbox"/> _____</p> <p>Casing Diameter: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> _____</p> <p>Screen Slot: <input type="checkbox"/> 0.008 <input checked="" type="checkbox"/> 0.010 <input type="checkbox"/> _____</p> <p>Screen Style: <input checked="" type="checkbox"/> Machine Slot <input type="checkbox"/> Wire Wrap <input type="checkbox"/> _____</p> <p>Sand Pack: <u>Norton 10-20 Silica Sand</u></p> <p>Bentonite Seal: <input type="checkbox"/> 1/2" Pellets <input checked="" type="checkbox"/> Hole Plug <input type="checkbox"/> Slurry <input type="checkbox"/> 1/4" Pellets <input type="checkbox"/> _____</p> <p>Grout Type: <u>3/8 Baroid</u> Weight: _____</p> <p>Bore Hole Diameter: <u>1 1/2"</u></p> <p>Drill Rig: <input checked="" type="checkbox"/> Hollow Stem <input type="checkbox"/> Rotary <input type="checkbox"/> _____</p> <p>Drilled By: <u>Holocene Drilling- Matt Graham</u></p> <p>Logged By: <u>Harold Cashman</u></p> <p>Completion Date: <u>5/29/03</u></p> <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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> <p>Comments: <u>Heavy sheen in cuttings</u></p> <p style="text-align: center;">Whatcom Environmental Services</p> <p style="text-align: center; font-size: 2em;">AS-3</p> <p>Project: <u>Sievers</u> Location: <u>6000 Portal Way</u></p>						Date	D-T-W	MSL	Date	Field pH	Field EC																														
Date	D-T-W	MSL	Date	Field pH	Field EC																																										
				METHOD	SS=Split Spoon	C=Cuttings																																									

Sym	Samp Loc	PID (ppm)	Depth (Feet)	Geologic Description	Air Sparge Well	Design Specifications																																									
					Piezometer																																										
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						<p style="text-align: center;">Depths in Feet from Ground Surface (Not to Scale)</p>																																									
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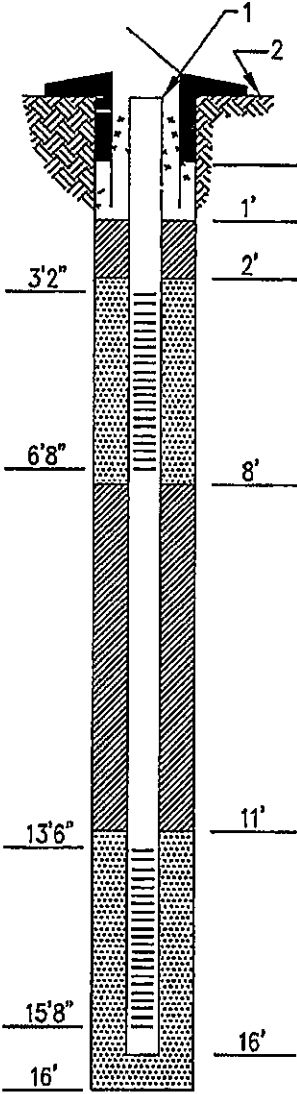
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							AS-5																														
							Project: <u>Sievers</u> Location: <u>6000 Portal Way</u>																														
							METHOD <input type="checkbox"/> SS=Split Spoon <input type="checkbox"/> C=Cuttings																														



Depths in Feet from Ground Surface (Not to Scale)

Sym	Samp Loc	PID (ppm)	Depth (Feet)	Geologic Description	Air Sparge Well Piezometer	Design Specifications																																				
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				Depths in Feet from Ground Surface (Not to Scale)																																						
				METHOD SS=Split Spoon C=Cuttings																																						

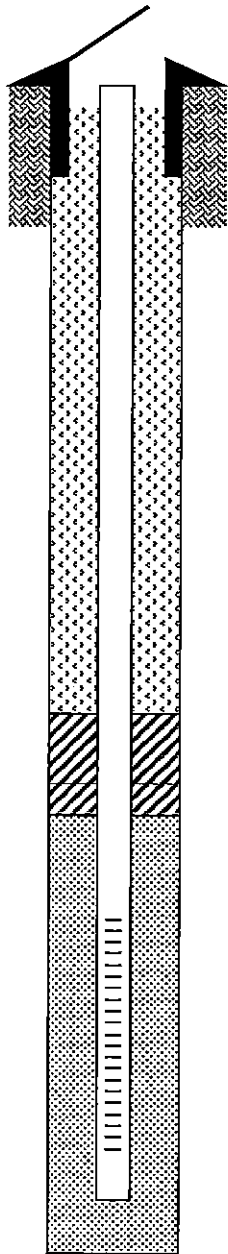
Sym	Samp Loc	PID (ppm)	Depth (Feet)	Geologic Description	DDC Well	X	Design Specifications					
					Piezometer							
							Elevations: (feet MSL) 1 _____ 2 _____ Coordinates: X _____ Y _____ Type of Casing: <input checked="" type="checkbox"/> PVC Sched. 40 Flush Thread <input type="checkbox"/> Stainless Steel <input type="checkbox"/> _____ Casing Diameter: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> _____ Screen Slot: <input type="checkbox"/> 0.008 <input checked="" type="checkbox"/> 0.010 <input type="checkbox"/> _____ Screen Style: <input checked="" type="checkbox"/> Machine Slot <input type="checkbox"/> Wire Wrap <input type="checkbox"/> _____ Sand Pack: Norton 10-20 Silica Sand Bentonite Seal: <input type="checkbox"/> 1/2" Pellets <input checked="" type="checkbox"/> Hole Plug <input type="checkbox"/> Slurry <input type="checkbox"/> 1/4" Pellets <input type="checkbox"/> _____ Grout Type: 3/8 Baroid Weight: _____ Bore Hole Diameter: 1 1/2" Drill Rig: <input checked="" type="checkbox"/> Hollow Stem <input type="checkbox"/> Rotary <input type="checkbox"/> _____ Drilled By: <u>Holocene Drilling- Matt Graham</u> Logged By: <u>Harold Cashman</u> Completion Date: <u>5/30/03</u>					
							Date	D-T-W	MSL	Date	Field pH	Field EC
							Comments: <u>Heavy sheen in cuttings</u> _____ _____					
							Whatcom Environmental Services					
							MW-6					
							Project: <u>Sievers</u> Location: <u>6000 Portal Way</u>					
				Depths in Feet from Ground Surface (Not to Scale)								
				METHOD	SS=Split Spoon	C	C=Cuttings					

Sym	Somp Loc	PID (ppm)	Depth (Feet)	Geologic Description	DDC Well Piezometer	X	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 <input type="checkbox"/> _____ Casing Diameter: <input checked="" type="checkbox"/> 2" <input type="checkbox"/> 3" <input type="checkbox"/> 4" <input type="checkbox"/> 6" <input type="checkbox"/> _____ Screen Slot: <input type="checkbox"/> 0.008 <input checked="" type="checkbox"/> 0.010 <input type="checkbox"/> _____ Screen Style: <input checked="" type="checkbox"/> Machine Slot <input type="checkbox"/> Wire Wrap <input type="checkbox"/> _____ Sand Pack: Norton 10-20 Silica Sand Bentonite Seal: <input type="checkbox"/> 1/2" Pellets <input checked="" type="checkbox"/> Hole Plug <input type="checkbox"/> Slurry <input type="checkbox"/> 1/4" Pellets <input type="checkbox"/> _____ Grout Type: 3/8 Baroid _____ Weight: _____ Bore Hole Diameter: 11" Drill Rig: <input checked="" type="checkbox"/> Hollow Stem <input type="checkbox"/> Rotary <input type="checkbox"/> _____ Drilled By: Holocene Drilling- Matt Graham Logged By: Harold Cashman Completion Date: 5/30/03																																									
							Depths in Feet from Ground Surface (Not to Scale)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Date</th> <th style="width:10%;">D-T-W</th> <th style="width:10%;">MSL</th> <th style="width:10%;">Date</th> <th style="width:10%;">Field pH</th> <th style="width:10%;">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> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>					Date	D-T-W	MSL	Date	Field pH	Field EC																														
Date	D-T-W	MSL	Date	Field pH	Field EC																																											
							Comments: <u>Heavy sheen in cuttings</u> _____ _____ _____																																									
							Whatcom Environmental Services																																									
							MW-7																																									
							Project: Sievers Location: 6000 Portal Way																																									
				METHOD SS=Split Spoon C C=Cuttings																																												

APPENDIX E

2013 Well Construction Diagrams

Well Design Specifications



Depths in
Feet Below
Ground
Surface

0.5
2
3.5
13.5
14
14

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.

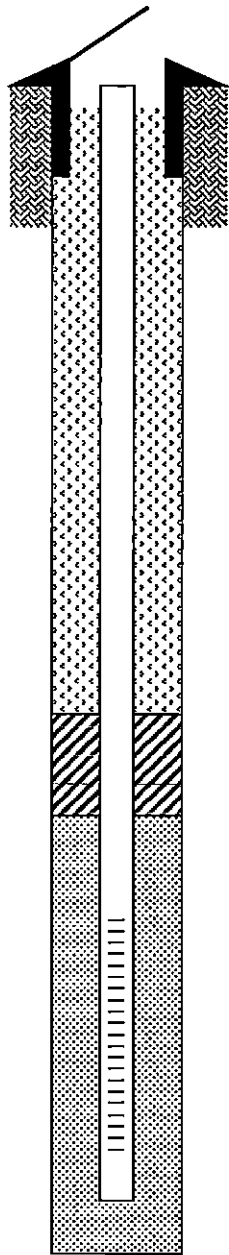
Not to Scale

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

MW-8

Ecology Well ID: **BHE-487**

Well Design Specifications



Depths in
Feet Below
Ground
Surface

1
2
3.8
13.8
14
14

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:

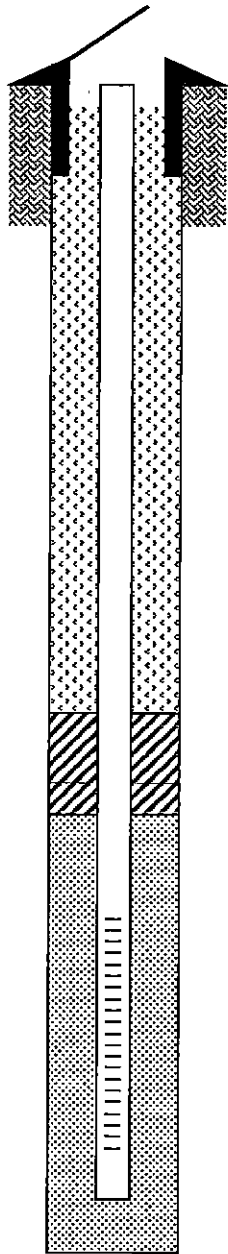
Project: Kris' Mini Mart

Location: South of T.P.

Not to Scale

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

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

Whatcom Environmental Services

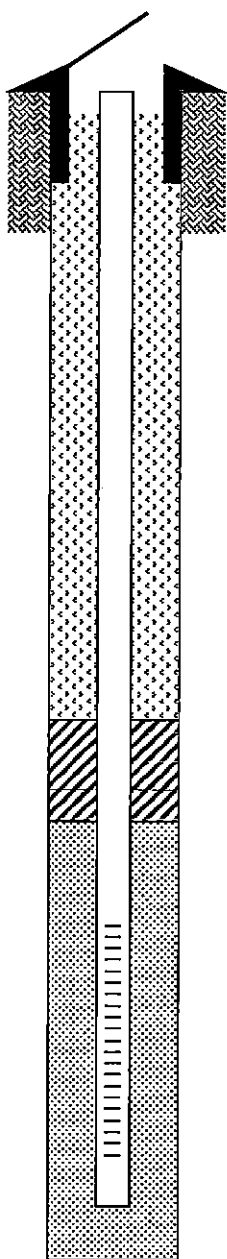
228 East Champion Street #101
 Bellingham, WA 98225
 (360) 752-9571

MW-10

Ecology Well ID:

BHE-491

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

Whatcom Environmental Services

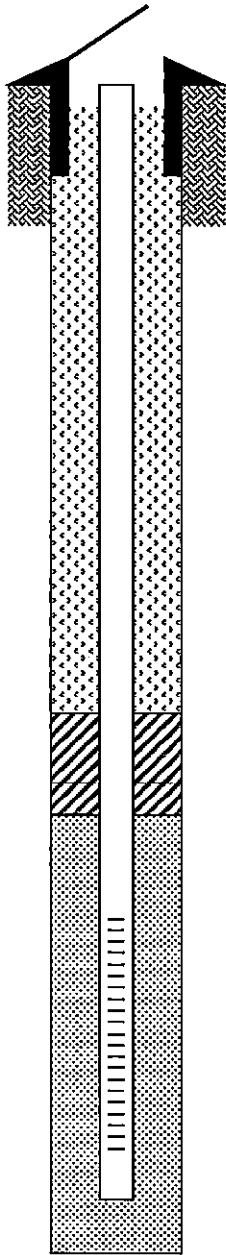
228 East Champion Street #101
Bellingham, WA 98225
(360) 752-9571

MW-11

Ecology Well ID:

BHE-493

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

Whatcom Environmental Services

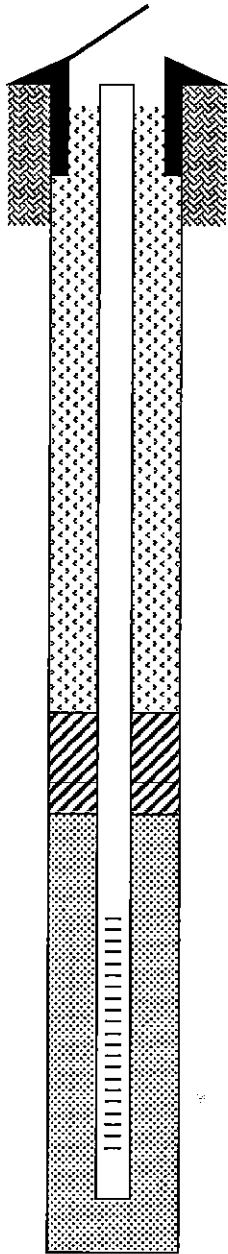
228 East Champion Street #101
Bellingham, WA 98225
(360) 752-9571

MW-12

Ecology Well ID:

BHE-492

Well Design Specifications



Depths in
Feet Below
Ground
Surface

1
2
3.5
13.5
14
14

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

Not to Scale

Whatcom Environmental Services

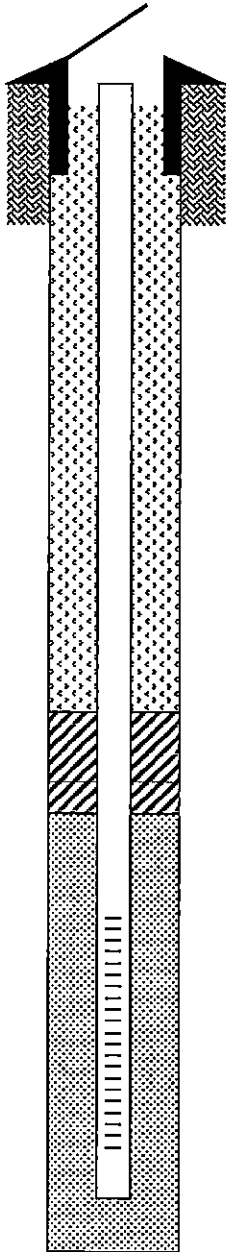
228 East Champion Street #101
 Bellingham, WA 98225
 (360) 752-9571

MW-13

Ecology Well ID:

BHE-490

Well Design Specifications



Depths in
Feet Below
Ground
Surface

1
2
3.5
13.5
14
14

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

Not to Scale

Whatcom Environmental Services

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

MW-14

Ecology Well ID:

BHE-489

APPENDIX F

Soil Laboratory Analytical Data Report



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

Page 1

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



CERTIFICATE OF ANALYSIS

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

CLIENT CONTACT: Thom Davis
 CLIENT PROJECT: Kris' Mini Mart
 CLIENT SAMPLE ID: B-8 8.5ft

DATE: 5/20/2013
 ALS JOB#: EV13050059
 ALS SAMPLE#: -01
 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	4.6	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	2.0	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	73.8	05/10/2013	DLC
TFT	EPA-8021	74.8	05/10/2013	DLC
C25	NWTPH-DX	94.4	05/10/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	106	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	BY
TPH-Volatile Range	NWTPH-GX	1300	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	6.1	1.0	20	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	7.0	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	1.9	0.50	5	MG/KG	05/13/2013	RAL

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

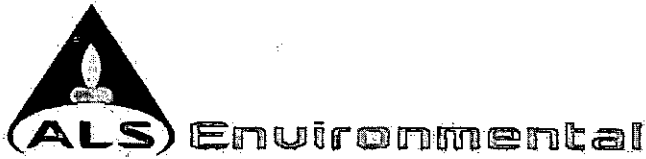
CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	5/20/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050059
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-03
CLIENT SAMPLE ID	B-9 9ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 11:45:00 AM
		WDOE 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	0.12	0.030	1	MG/KG	05/10/2013	DLC
Toluene	EPA-8021	0.085	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	79.5	05/10/2013	DLC
TFT	EPA-8021	76.7	05/10/2013	DLC
C25	NWTPH-DX	61.0	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	2200	250	10	MG/KG	05/13/2013	LAP
TPH-Oil Range	NWTPH-DX	1400	500	10	MG/KG	05/13/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 20X Dilution	NWTPH-GX	0.274 GS2	05/14/2013	DLC
TFT 10X Dilution	EPA-8021	1.06 GS2	05/13/2013	DLC
C25 10X Dilution	NWTPH-DX	117 DS2	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 semivolatle 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	330	25	1	MG/KG	05/10/2013	LAP
TPH-Oil Range	NWTPH-DX	310	50	1	MG/KG	05/10/2013	LAP

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	75.7	05/13/2013	DLC
TFT	EPA-8021	74.4	05/13/2013	DLC
C25	NWTPH-DX	94.5	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	1.1	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	2600	120	5	MG/KG	05/13/2013	LAP
TPH-Oil Range	NWTPH-DX	950	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	5.8	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 10X Dilution	NWTPH-GX	0.799 GS2	05/13/2013	DLC
TFT 10X Dilution	EPA-8021	1.02 GS2	05/13/2013	DLC
C25	NWTPH-DX	110	05/10/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	103	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 semivolatle 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	6.2	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	0.031	0.030	1	MG/KG	05/13/2013	DLC
Toluene	EPA-8021	0.072	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	85.5	05/13/2013	DLC
TFT	EPA-8021	82.1	05/13/2013	DLC
C25	NWTPH-DX	94.0	05/10/2013	LAP
C25	NWTPH-DX	94.0	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

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#:	-09
CLIENT SAMPLE ID	B-13 14ft	DATE RECEIVED:	5/10/2013
		COLLECTION DATE:	5/7/2013 4:20:00 PM
		WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	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

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	72.4	05/10/2013	DLC
TFT	EPA-8021	72.5	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	4900	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	82	5.0	100	MG/KG	05/10/2013	DLC
Ethylbenzene	EPA-8021	21	5.0	100	MG/KG	05/10/2013	DLC
Xylenes	EPA-8021	300	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	2.1	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 100X Dilution	NWTPH-GX	0.0243 GS2	05/10/2013	DLC
TFT 100X Dilution	EPA-8021	0.0457 GS2	05/10/2013	DLC
C25	NWTPH-DX	99.4	05/11/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	111	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	0.061	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	0.24	0.20	1	MG/KG	05/13/2013	DLC

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	80.9	05/13/2013	DLC
TFT	EPA-8021	81.8	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	2600	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	2.2	2.0	40	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	110	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	0.0857 GS2	05/13/2013	DLC
TFT 40X Dilution	EPA-8021	0.109 GS2	05/13/2013	DLC
C25	NWTPH-DX	81.9	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	3000	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	36	2.5	50	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	22	2.5	50	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	300	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	2.3	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	0.0303 GS2	05/13/2013	DLC
TFT 50X Dilution	EPA-8021	0.0778 GS2	05/13/2013	DLC
C25	NWTPH-DX	73.8	05/11/2013	LAP
1,2-Dichloroethane-d4	EPA-8260	109	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	2.0	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	71.9	05/11/2013	DLC
TFT	EPA-8021	72.1	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	2600	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	22	2.5	50	MG/KG	05/13/2013	DLC
Ethylbenzene	EPA-8021	15	2.5	50	MG/KG	05/13/2013	DLC
Xylenes	EPA-8021	230	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	2.2	0.50	5	MG/KG	05/13/2013	RAL

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT 50X Dilution	NWTPH-GX	0.0349 GS2	05/13/2013	DLC
TFT 50X Dilution	EPA-8021	0.0743 GS2	05/13/2013	DLC
C25	NWTPH-DX	84.5	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
CLIENT CONTACT: Thom Davis
CLIENT PROJECT: Kris' Mini Mart

DATE: 5/20/2013
ALS SDG#: EV13050059
WDOE ACCREDITATION: C601

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 ANALYSIS	
						DATE	BY
Lead	EPA-6020	U	0.10	1	MG/KG	05/13/2013	RAL



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

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

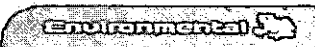
SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range - BS	NWTPH-DX	81.5			05/10/2013	LAP
TPH-Diesel Range - BSD	NWTPH-DX	90.6	11		05/10/2013	LAP

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

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Benzene - BS	EPA-8260	114			05/17/2013	GAP
Benzene - BSD	EPA-8260	114	0		05/17/2013	GAP
Toluene - BS	EPA-8260	109			05/17/2013	GAP
Toluene - BSD	EPA-8260	109	0		05/17/2013	GAP

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

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	ANALYSIS DATE	ANALYSIS BY
Lead - BS	EPA-6020	106			05/13/2013	RAL
Lead - BSD	EPA-6020	105	1		05/13/2013	RAL

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)

EVI3050059

Date **5/9/13** Page **1** Of **2**

PROJECT ID: Kriss' Mini Mart					ANALYSIS REQUESTED										OTHER (Specify)					
REPORT TO COMPANY: Whitman Env. Svcs					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 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) Lead (Pb) TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>	PROJECT MANAGER: Thom		ADDRESS: 228 E. Champion #101		B'ham, WA 98225		PHONE: 752-9571		FAX: 752-9571		P.O. NUMBER:		E-MAIL: thom@whitman		NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?
INVOICE TO COMPANY: Colony Insurance						ATTENTION: % Carol Lybeer		ADDRESS: Claim # 194567												
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																
1. B-8 8.5 ft	5/7/13	930	Soil	1		X	X	X	X				X						4	
2. B-9 6 ft	}	1130		2		X	X	X	X				X						4	
3. B-9 9 ft		1145		3		X	X	X	X										4	
4. B-9 14 ft		1156		4		X	X	X	X										4	
5. B-14 2 ft		1345		5		X	X	X	X										4	
6. B-14 6 ft		1355		6		X	X	X	X										4	
7. B-14 9 ft		1410		7	X	X	X	X			X				X			4		
8. B-13 6.5 ft		1605		8	X	X	X	X										4		
9. B-13 14 ft		1620		9	X	X	X											4		

LABORATORY COPY

SPECIAL INSTRUCTIONS

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

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis
 OTHER: _____
 Specify: _____

10 Standard (circled) 5 3 2 1 SAME DAY

5 Standard (circled) 3 1 SAME DAY

* Turnaround request less than standard may incur Rush Charges



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 2 Of 2

PROJECT ID: <u>Kriz' Mini Mart</u>						ANALYSIS REQUESTED										OTHER (Specify)												
REPORT TO COMPANY: <u>Whatcom Env. Svcs</u>																												
PROJECT MANAGER: <u>Thom</u>																												
ADDRESS: <u>228 E Champion #101</u>																												
<u>B'ham, WA 98225</u>																												
PHONE: _____ FAX: <u>752-9573</u>																												
P.O. NUMBER: _____ E-MAIL: <u>tblaus@-----</u>																												
INVOICE TO COMPANY: <u>Colony Insurance</u>																												
ATTENTION: <u>% Carol E/bear</u>																												
ADDRESS: <u>Claim #: 194567</u>																												
	SAMPLE I.D.	DATE	TIME	TYPE	LAB#	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 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"/> Pb <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"/>					NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?		
1.	<u>B-10 6.5ft</u>	<u>5/8/13</u>	<u>855</u>	<u>Soil</u>	<u>10</u>		X	X	X	X				X													<u>4</u>	
2.	<u>B-10 14ft</u>	<u>5/8/13</u>	<u>915</u>	<u>Soil</u>	<u>11</u>			X	X	X																	<u>4</u>	
3.	<u>B-12 6.5ft</u>	<u>5/9/13</u>	<u>915</u>		<u>12</u>		X	X	X	X																	<u>4</u>	
4.	<u>B-11 6.5ft</u>		<u>1120</u>		<u>13</u>		X	X	X	X			X								X						<u>4</u>	
5.	<u>B-11 10ft</u>		<u>1140</u>		<u>14</u>		X	X	X	X																	<u>4</u>	
6.	<u>B-11 15ft</u>		<u>1200</u>		<u>15</u>			X	X	X											X						<u>4</u>	
7.	<u>B-16 6.5ft</u>		<u>1300</u>		<u>16</u>		X	X	X	X											X						<u>4</u>	
8.																												
9.																												
10.																												

LABORATORY COPY

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: _____

TURNAROUND REQUESTED in Business Days*

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

Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY

OTHER: _____
 Specify: _____

* Turnaround request less than standard may incur Rush Charges

APPENDIX G

Groundwater Laboratory Analytical Data Reports



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

Page 1

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



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#:	-01
CLIENT SAMPLE ID:	MW-8	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/22/2013 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	6100	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	43	1.0	1	UG/L	05/28/2013	DLC
Toluene	EPA-8021	6.4	1.0	1	UG/L	05/28/2013	DLC
Ethylbenzene	EPA-8021	5.9	1.0	1	UG/L	05/28/2013	DLC
Xylenes	EPA-8021	16	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	113	05/29/2013	DLC
TFT	EPA-8021	189 GS3	05/28/2013	DLC
C25	NWTPH-DX	87.4	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.4	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	4000	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	40	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	5.9	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	9.7	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	49	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	110	05/29/2013	DLC
TFT	EPA-8021	169 GS3	05/29/2013	DLC
C25	NWTPH-DX	89.3	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.6	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	12000	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	3.9	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	1200	10	10	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	180	10	10	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	1600	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	98.5	05/29/2013	DLC
TFT	EPA-8021	131	05/29/2013	DLC
TFT 10X Dilution	EPA-8021	106	05/29/2013	DLC
C25	NWTPH-DX	89.7	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.6	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	ANALYSIS
						DATE	BY
TPH-Volatile Range	NWTPH-GX	41000	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	18	10	10	UG/L	05/29/2013	DLC
Toluene	EPA-8021	2400	25	25	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	740	10	10	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	7300	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	ANALYSIS
			DATE	BY
TFT 25X Dilution	NWTPH-GX	92.1	05/29/2013	DLC
TFT 10X Dilution	EPA-8021	112	05/29/2013	DLC
TFT 25X Dilution	EPA-8021	109	05/29/2013	DLC
C25	NWTPH-DX	91.8	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	98.0	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	31000	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	120	25	25	UG/L	05/29/2013	DLC
Toluene	EPA-8021	880	25	25	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	290	25	25	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	5900	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	95.4	05/29/2013	DLC
TFT 25X Dilution	EPA-8021	104	05/29/2013	DLC
C25	NWTPH-DX	88.4	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	94.7	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	2000	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	8.3	1.0	1	UG/L	05/29/2013	DLC
Toluene	EPA-8021	6.8	1.0	1	UG/L	05/29/2013	DLC
Ethylbenzene	EPA-8021	38	1.0	1	UG/L	05/29/2013	DLC
Xylenes	EPA-8021	200	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	87.6	05/29/2013	DLC
TFT	EPA-8021	103	05/29/2013	DLC
C25	NWTPH-DX	89.1	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	95.9	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	460	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	6.9	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	1000	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	92.5	05/29/2013	DLC
TFT	EPA-8021	105	05/29/2013	DLC
C25	NWTPH-DX	89.9	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.9	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	480	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	6.8	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	890	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	110	05/29/2013	DLC
TFT	EPA-8021	114	05/29/2013	DLC
C25	NWTPH-DX	86.8	05/28/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	98.2	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	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	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

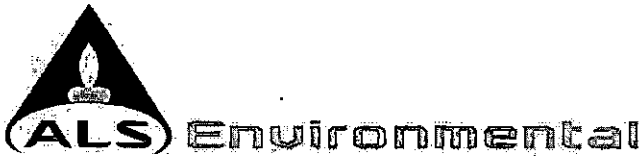
CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	6/3/2013
CLIENT CONTACT:	Thom Davis	ALS JOB#:	EV13050149
CLIENT PROJECT:	Kris' Mini Mart	ALS SAMPLE#:	-11
CLIENT SAMPLE ID	MW-2	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 1:30:00 PM
		WDOE ACCREDITATION:	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	320	130	1	UG/L	05/28/2013	EBS
TPH-Oil Range	NWTPH-DX	320	250	1	UG/L	05/28/2013	EBS

SURROGATE	METHOD	%REC	ANALYSIS DATE	ANALYSIS BY
TFT	NWTPH-GX	84.6	05/29/2013	DLC
TFT	EPA-8021	98.3	05/29/2013	DLC
C25	NWTPH-DX	91.2	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	1000	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	85.3	05/29/2013	DLC
TFT	EPA-8021	97.7	05/29/2013	DLC
C25	NWTPH-DX	92.7	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	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	BY
TFT	NWTPH-GX	82.7	05/30/2013	DLC
TFT	EPA-8021	94.5	05/30/2013	DLC
G25	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	7800	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	87.6	05/30/2013	DLC
TFT	EPA-8021	101	05/30/2013	DLC
C25	NWTPH-DX	87.9	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

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#:	-18
CLIENT SAMPLE ID	MW-18	DATE RECEIVED:	5/24/2013
		COLLECTION DATE:	5/23/2013 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	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	79.5	05/30/2013	DLC
TFT	EPA-8021	93.5	05/30/2013	DLC
C25	NWTPH-DX	89.4	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
CLIENT CONTACT: Thom Davis
CLIENT PROJECT: Kris' Mini Mart

DATE: 6/3/2013
ALS SDG#: EV13050149
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

A handwritten signature in black ink, appearing to read "Paul Bayan".

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: <u>Kris Mini Mart</u>					ANALYSIS REQUESTED										OTHER (Specify)							
REPORT TO COMPANY: <u>Whatcom Env. Svc.</u>					NWTPH-HCID 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"/> Pp <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) Lead (Pb) Diss. TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>																	
PROJECT MANAGER: <u>Tuom</u>																						
ADDRESS: <u>228 E Champion #101</u>																						
<u>B'ham, WA 98225</u>																						
PHONE: _____ FAX: <u>752-9573</u>																						
PO. NUMBER: _____ E-MAIL: <u>tblavis@what---</u>																						
INVOICE TO COMPANY: <u>Colony Insurance</u>																						
ATTENTION: <u>% Matt Miller @ Antea</u>																						
ADDRESS: <u>Claim #: 194567</u>																						
SAMPLE I.D.	DATE	TIME	TYPE	LAB#		NWTPH-HCID	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"/> Pp <input type="checkbox"/> TAL <input type="checkbox"/>	Metals Other (Specify) Lead (Pb) Diss.	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-8	5/22/13	1100	water	1		X	X	X	X			X								6		
2. MW-9		1200	}	2		X	X	X	X			X								6		
3. MW-10		1300		3		X	X	X	X			X									6	
4. MW-11		1400		4		X	X	X	X			X									6	
5. MW-12		1500		5		X	X	X	X			X									6	
6. MW-13		1600		6		X	X	X	X			X									6	
7. MW-14		1700		7		X	X	X	X			X									6	
8. MW-15		1800		8		X	X	X	X			X									6	
9. MW-16		1730		9		X	X	X	X			X									5	X

LABORATORY COPY

SPECIAL INSTRUCTIONS Metals Samples Field Filtered into preserved Bottles → Do Not Analyze for Pb

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [Signature] WES 5/23/13 @ 1530

Received By: _____

2. Relinquished By: _____

Received By: Shawn Robinson ALS 5/24/13 4:45

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

OTHER: _____

Specify: _____

Fuels & Hydrocarbon Analysis

* Turnaround request less than standard may incur Rush Charges



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)

EV13050149

Date 5/23/13 Page 2 Of 2

PROJECT ID: <u>Kris' Mini Mart</u>					ANALYSIS REQUESTED										OTHER (Specify)								
REPORT TO COMPANY: <u>Whitson Env. Sues.</u>					NMTPH-HCID NMTPH-DX NMTPH-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 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"/> PFI Pol <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"/> Hams <input type="checkbox"/>																		
PROJECT MANAGER: <u>Trom</u>																							
ADDRESS: <u>228 E. Champion #101</u>																							
<u>15'hwy WA 98225</u>																							
PHONE: <u>752-9571</u> FAX:																							
P.O. NUMBER: E-MAIL: <u>blavis@---</u>																							
INVOICE TO COMPANY: <u>Colony Insurance</u>																							
ATTENTION:																							
ADDRESS: <u>Claim #: 194567</u>																							
SAMPLE I.D.	DATE	TIME	TYPE	LAB#		NMTPH-HCID	NMTPH-DX	NMTPH-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 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"/> PFI Pol <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"/> Hams <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. MW-1	5/23/13	1:10p	Water	10	X	X	X	X													4		
2. MW-2	}	1330		11	X	X	X	X													4		
3. MW-3		1115		12	X	X	X	X														4	
4. MW-4		1015		13	X	X	X	X														4	
5. MW-5		915		14	X	X	X	X														4	
6. MW-6		1230		15	X	X	X	X														4	
7. MW-7		1200		16	X	X	X	X														4	
8. MW-17		1215		17	X	X	X	X														4	
9. MW-18		1400		18	X	X	X	X														4	
10.																							

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time): WES 5/23/13 @ 1530

1. Relinquished By: [Signature]

Received By: _____

2. Relinquished By: _____

Received By: Shawn Roberts ALS 5/24/13 4:45

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

OTHER: _____

Specify: _____

Standard: 10 5 3 2 1 SAME DAY

Fuels & Hydrocarbon Analysis

5 3 1 SAME DAY

* Turnaround request less than standard may incur Rush Charges



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

Page 1

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Laboratory Group A Campbell Brothers Limited Company

Environmental 

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



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#:	-01
CLIENT SAMPLE ID	MW-8	DATE RECEIVED:	8/14/2013
		COLLECTION DATE:	8/12/2013 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	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	3500	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	22	1.0	1	UG/L	08/16/2013	DLC
Toluene	EPA-8021	2.4	1.0	1	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	8.7	1.0	1	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	57	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	128	08/16/2013	DLC
TFT	EPA-8021	116	08/16/2013	DLC
C25	NWTPH-DX	98.0	08/15/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	99.7	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	39000	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	66	25	25	UG/L	08/16/2013	DLC
Toluene	EPA-8021	2100	25	25	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	910	25	25	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	7200	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	121	08/16/2013	DLC
TFT 25X Dilution	EPA-8021	106	08/16/2013	DLC
C25	NWTPH-DX	98.3	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.
 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	41000	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	1000	50	50	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	400	50	50	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	8400	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	104	08/16/2013	DLC
TFT 50X Dilution	EPA-8021	102	08/16/2013	DLC
C25	NWTPH-DX	92.8	08/19/2013	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.
 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	65	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	8.8	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	109	08/16/2013	DLC
TFT	EPA-8021	113	08/16/2013	DLC
C25	NWTPH-DX	91.0	08/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	102	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	2.0	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	280	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	113	08/16/2013	DLC
TFT	EPA-8021	116	08/16/2013	DLC
C25	NWTPH-DX	90.3	08/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	103	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	37000	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	880	25	25	UG/L	08/16/2013	DLC
Ethylbenzene	EPA-8021	340	25	25	UG/L	08/16/2013	DLC
Xylenes	EPA-8021	7500	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	102	08/16/2013	DLC
TFT 25X Dilution	EPA-8021	100	08/16/2013	DLC
C25	NWTPH-DX	104	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.
 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

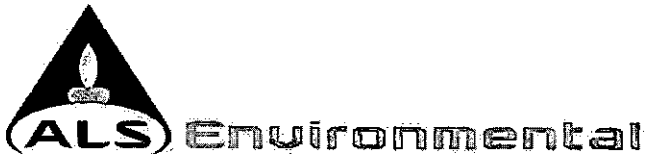
ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	08/19/2013	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	08/19/2013	EBS

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

A handwritten signature in black ink, appearing to read "Paul Bayen".

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)

EV13080077

Date 8-13-13 Page 1 Of 1

PROJECT ID: KRIS' MINI MART					ANALYSIS REQUESTED														OTHER (Specify)				
REPORT TO COMPANY: WHATCOM ENVIRONMENTAL-6 SERVICES					NWTPH-PCID	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)	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 (Pt)</u>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbis <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?		
PROJECT MANAGER: HAROLD CASHMAN																							
ADDRESS: 228 E. CHAMPION ST #101 BELLEVUE, WA 98225																							
PHONE: (360) 752-9571 FAX:																							
PO. #: E-MAIL: <u>HSCASHMAN@WHATCOM2WVIL...</u>																							
INVOICE TO COMPANY: COLONY INSURANCE																							
ATTENTION: MATT MILLER (AUSA)																							
ADDRESS: CLAIM # 194567																							
SAMPLE I.D.	DATE	TIME	TYPE	LAB#																			
1. MW-8	8-12-13	1:25	}	1	X	X	X	X			X								X			6	
2. MW-9	8-12-13	2:15		2	X	X	X	X			X								X			6	
3. MW-10	8-12-13	3:10		3	X	X	X	X			X								X			6	
4. MW-11	8-12-13	3:50		4	X	X	X	X			X								X			6	
5. MW-12	8-13-13	10:10		5	X	X	X	X			X								X			6	
6. MW-13	8-13-13	12:50 12:15		6	X	X	X	X			X								X			6	
7. MW-14	8-13-13	1:45		7	X	X	X	X			X								X			6	
8. MW-15	8-13-13	10:30		8	X	X	X	X			X								X			6	
9. MW-16	8-13-13	11:30		9	X	X	X	X			X											5	
10.																							

LABORATORY COPY

SPECIAL INSTRUCTIONS

SIGNATURES (Name, Company, Date, Time):

1. Relinquished By: [Signature], WES, 8/14/13, 9:30
 Received By: Shawn Robinson ALS 8/14/13

2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*

Organic, Metals & Inorganic Analysis

Standard
 5
 3
 2
 1
 SAME DAY

Fuels & Hydrocarbon Analysis

Standard
 3
 1
 SAME DAY

OTHER: _____
 Specify: _____

* 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

Page 1

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER



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#:	-01
CLIENT SAMPLE ID	MW-8	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	1000	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	6.3 F3	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	140	11/18/2013	DLC
TFT	EPA-8021	158 GS3	11/18/2013	DLC
C25	NWTPH-DX	100	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.
 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	20000	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	1300	20	20	UG/L	11/19/2013	DLC
Ethylbenzene	EPA-8021	430	20	20	UG/L	11/19/2013	DLC
Xylenes	EPA-8021	4200	60	20	UG/L	11/19/2013	DLC
TPH-Diesel Range	NWTPH-DX	1500	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	106	11/19/2013	DLC
TFT 20X Dilution	EPA-8021	114	11/19/2013	DLC
C25	NWTPH-DX	96.7	11/19/2013	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	108	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	14000	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	220	10	10	UG/L	11/19/2013	DLC
Ethylbenzene	EPA-8021	110	10	10	UG/L	11/19/2013	DLC
Xylenes	EPA-8021	2800	30	10	UG/L	11/19/2013	DLC
TPH-Diesel Range	NWTPH-DX	2500	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	100	11/19/2013	DLC
TFT 10X Dilution	EPA-8021	106	11/19/2013	DLC
C25	NWTPH-DX	100	11/19/2013	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 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	3100	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	57	5.0	5	UG/L	11/19/2013	DLC
Ethylbenzene	EPA-8021	48	5.0	5	UG/L	11/19/2013	DLC
Xylenes	EPA-8021	700	15	5	UG/L	11/19/2013	DLC
TPH-Diesel Range	NWTPH-DX	320	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	109	11/19/2013	DLC
TFT 5X Dilution	EPA-8021	112	11/19/2013	DLC
C25	NWTPH-DX	103	11/19/2013	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#:	-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	480	130	1	UG/L	11/19/2013	EBS
TPH-Oil Range	NWTPH-DX	380	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	99.5	11/19/2013	DLC
TFT	EPA-8021	112	11/19/2013	DLC
C25	NWTPH-DX	99.8	11/19/2013	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 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	970	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	5.2 F3	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	3.5	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	125	11/18/2013	DLC
TFT	EPA-8021	130	11/18/2013	DLC
C25	NWTPH-DX	99.0	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.
 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. **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 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

A handwritten signature in black ink, appearing to read 'Paul Bayen'.

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: KRIS' MINI MART					ANALYSIS REQUESTED										OTHER (Specify)																		
REPORT TO COMPANY: WHATCOM ENVIRONMENTAL SERVICES					NWTPH-HCID 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"/> PFI Po <input type="checkbox"/> TAL <input type="checkbox"/> Metals Other (Specify) LEAD (Pb) Dissolved TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbs <input type="checkbox"/>																												
PROJECT MANAGER: HAROLD CASHMAN																																	
ADDRESS: 228 E. CHAMPION ST #101																																	
BELLINGHAM, WA 98225																																	
PHONE: (360) 752-9571 FAX:																																	
PO. #: E-MAIL:																																	
INVOICE TO COMPANY: COLONY INSURANCE																																	
ATTENTION: MATT MILLER (ANTEN)																																	
ADDRESS: CLAIM # 194567																																	
SAMPLE I.D.	DATE	TIME	TYPE	LAB#		NWTPH-HCID	NWTPH-DX	NWTPH-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	Polycyclic Aromatic Hydrocarbons (PAH) by EPA-8270 SIM	PCB	Pesticides	by EPA 8081/8082	Metals-MTCA-5	RCRA-8	PFI Po	TAL	Metals Other (Specify)	LEAD (Pb)	Dissolved	TCLP-Metals	VOA	Semi-Vol	Pest	Herbs	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?
1. MW-8	11/14/13	11:55	WATER	1		X	X	X	X			X													X							6	
2. MW-9	11/14/13	12:00	↓	2		X	X	X	X			X													X							6	
3. MW-10	11/14/13	11:50		3		X	X	X	X				X													X						6	
4. MW-11	11/14/13	12:45		4		X	X	X	X				X													X						6	
5. MW-12	11/14/13	1:45		5		X	X	X	X				X													X						6	
6. MW-13	11/14/13	1:25		6		X	X	X	X				X													X						6	
7. MW-14	11/14/13	2:15		7		X	X	X	X				X													X						6	
8. MW-15	11/14/13	12:00		8		X	X	X	X				X													X						6	
9. MW-16	11/14/13	1:05		9		X	X	X	X				X																			5	
10.	11/14/13																																

LABORATORY COPY

SPECIAL INSTRUCTIONS: ALL METALS SAMPLE BOTTLES WERE FILTERED IN THE FIELD.

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: [Signature], WES, 11/14/13, 3:00
 Received By: _____
 2. Relinquished By: _____
 Received By: Shawn Rodman ALS 11/15/13 2:20

TURNAROUND REQUESTED in Business Days*
 Organic, Metals & Inorganic Analysis: Standard, 5, 3, 2, 1, SAME DAY
 Fuels & Hydrocarbon Analysis: Standard, 3, 1, SAME DAY
 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

Page 1

ADDRESS 8620 Holly Drive, Suite 100, Everett, WA 98208 | PHONE 425-356-2600 | FAX 425-356-2626

ALS Laboratory Group A Campbell Brothers Limited Company

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www.alsglobal.com

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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#:	-01
CLIENT SAMPLE ID	MW-8	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/6/2014 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	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	800	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	7.8	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	123	02/13/2014	DLC
TFT	EPA-8021	120	02/13/2014	DLC
C25	NWTPH-DX	119	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	99.2	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	34000	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	1600	25	25	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	660	25	25	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	6800	75	25	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	2500	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	118	02/13/2014	DLC
TFT 25X Dilution	EPA-8021	117	02/13/2014	DLC
C25	NWTPH-DX	120	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.1	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	14000	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	310	10	10	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	130	10	10	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	2800	30	10	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	2800	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	107	02/13/2014	DLC
TFT 10X Dilution	EPA-8021	102	02/13/2014	DLC
C25	NWTPH-DX	123	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	97.7	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	6300	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	510	5.0	5	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	60	5.0	5	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	1000	15	5	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	270	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	99.7	02/13/2014	DLC
TFT 5X Dilution	EPA-8021	97.1	02/13/2014	DLC
C25	NWTPH-DX	104	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	98.3	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

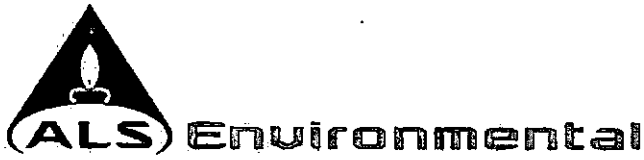
CLIENT:	Whatcom Environmental Svcs., Inc. 228 E. Champion St., Suite 101 Bellingham, WA 98225	DATE:	2/19/2014
CLIENT CONTACT:	Harold Cashman	ALS JOB#:	EV14020039
CLIENT PROJECT:	Kris Mini Mart	ALS SAMPLE#:	-06
CLIENT SAMPLE ID	MW-15	DATE RECEIVED:	2/11/2014
		COLLECTION DATE:	2/6/2014 12:40:00 PM
		WDOE ACCREDITATION:	C601

DATA RESULTS

ANALYTE	METHOD	RESULTS	REPORTING LIMITS	DILUTION FACTOR	UNITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	12000	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	250	10	10	UG/L	02/13/2014	DLC
Ethylbenzene	EPA-8021	110	10	10	UG/L	02/13/2014	DLC
Xylenes	EPA-8021	2400	30	10	UG/L	02/13/2014	DLC
TPH-Diesel Range	NWTPH-DX	2200	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	122	02/13/2014	DLC
TFT 10X Dilution	EPA-8021	113	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.
 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	81	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	10	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	80.9	02/13/2014	DLC
TFT	EPA-8021	77.1	02/13/2014	DLC
C25	NWTPH-DX	84.1	02/12/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	101	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	470	130	1	UG/L	02/13/2014	EBS
TPH-Oil Range	NWTPH-DX	550	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	83.6	02/13/2014	DLC
TFT	EPA-8021	79.0	02/13/2014	DLC
C25	NWTPH-DX	85.1	02/13/2014	EBS
1,2-Dichloroethane-d4	EPA-8260 SIM	101	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

CLIENT CONTACT: Harold Cashman
 CLIENT PROJECT: Kris Mini Mart

DATE: 2/19/2014
 ALS SDG#: EV14020039
 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

A handwritten signature in black ink, appearing to read "Paul Bayan".

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)

EV14-020039

Date 2/10/14 Page 1 Of 1

PROJECT ID: <u>Kris Mini Mart</u>	ANALYSIS REQUESTED	OTHER (Specify)
REPORT TO COMPANY: <u>Whatcom Environmental Services</u>		
PROJECT MANAGER: <u>Harold Cashman</u>		
ADDRESS: <u>229 E. Champion St. #101 Bellingham, WA 98225</u>		
PHONE: <u>360-752-9571</u> FAX: <u>360-752-9573</u>		
P.O. #: _____ E-MAIL: <u>hycashman@whatcom...</u>		
INVOICE TO COMPANY: <u>Colony Insurance</u>		
ATTENTION: <u>Carol Lybeer</u>		
ADDRESS: <u>Claim# 194567</u>		

SAMPLE I.D.	DATE	TIME	TYPE	LAB#	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 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>Pb</u>	TCLP-Metals <input type="checkbox"/> VOA <input type="checkbox"/> Semi-Vol <input type="checkbox"/> Pest <input type="checkbox"/> Herbis <input type="checkbox"/>	NUMBER OF CONTAINERS	RECEIVED IN GOOD CONDITION?	
1. MW-8	2/6/14	11:10	water	1	X	X	X	X			X								X	6		
2. MW-9	↓	12:10	↓	2	X	X	X	X			X								X	6		
3. MW-11		2:15		3	X	X	X	X				X								X	6	
4. MW-12		1:15		4	X	X	X	X				X								X	6	
5. MW-10		3:20		5	X	X	X	X				X								X	6	
6. MW-15		12:40		6	X	X	X	X				X								X	6	
7. MW-16		2:45		7	X	X	X	X				X								X	6	
8. MW-13		2/7/14		10:15	8	X	X	X	X			X								X	6	
9. MW-14	↓	11:10	↓	9	X	X	X	X			X							X	6			
10.																						

SPECIAL INSTRUCTIONS Lead samples were field filtered.

SIGNATURES (Name, Company, Date, Time):
 1. Relinquished By: John Ryan, WES, 2/10/14, 9AM
 Received By: [Signature] ALS 2/11/14 2:25
 2. Relinquished By: _____
 Received By: _____

TURNAROUND REQUESTED in Business Days*
 OTHER: _____
 Specify: _____

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

Fuels & Hydrocarbon Analysis
 5 Standard 3 1 SAME DAY

* Turnaround request less than standard may incur Rush Charges

APPENDIX H

Terrestrial Ecological Evaluation



Voluntary Cleanup Program

Washington State Department of Ecology
Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to www.ecy.wa.gov/programs/tcp/policies/terrestrial/TEEHome.htm.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.

Facility/Site Name: Kris's Mini Mart

Facility/Site Address: 6000 Portal Way, Ferndale, WA

Facility/Site No: 96443724

VCP Project No.:

Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.

Name: Aimee Schimelfenig

Title: Environmental Scientist

Organization: Whatcom Environmental Services

Mailing address: 228 E Champion St

City: Bellingham

State: WA

Zip code: 98225

Phone: 360-752-9571

Fax: 360-752-9571

E-mail:

aschimelfenig@whatcomenvironmental.com

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

- Yes *If you answered "YES," then answer Question 2.*
- No or Unknown *If you answered "NO" or "UNKNOWN," then skip to Step 3B of this form.*

2. What is the basis for the exclusion? Check all that apply. Then skip to Step 4 of this form.

Point of Compliance: WAC 173-340-7491(1)(a)

- All soil contamination is, or will be,* at least 15 feet below the surface.
- All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

- All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

- There is less than 0.25 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.
- For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous# undeveloped± land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

- Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

± "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

- Yes *If you answered "YES," then answer Question 2 below.*
 No or Unknown *If you answered "NO" or "UNKNOWN," then skip to Step 3C of this form.*

2. Did you conduct a simplified evaluation?

- Yes *If you answered "YES," then answer Question 3 below.*
 No *If you answered "NO," then skip to Step 3C of this form.*

3. Was further evaluation necessary?

- Yes *If you answered "YES," then answer Question 4 below.*
 No *If you answered "NO," then answer Question 5 below.*

4. If further evaluation was necessary, what did you do?

- Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to Step 4 of this form.*
 Conducted a site-specific evaluation. *If so, then skip to Step 3C of this form.*

5. If no further evaluation was necessary, what was the reason? Check all that apply. Then skip to Step 4 of this form.

Exposure Analysis: WAC 173-340-7492(2)(a)

- Area of soil contamination at the Site is not more than 350 square feet.
 Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

- No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

- No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.
- No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).

1. Was there a problem? See WAC 173-340-7493(2).

- Yes *If you answered "YES," then answer **Question 2** below.*
- No *If you answered "NO," then identify the reason here and then skip to **Question 5** below:*
- No issues were identified during the problem formulation step.
 - While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? See WAC 173-340-7493(3).

- Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*
- Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?

Check all that apply. See WAC 173-340-7493(3).

- Literature surveys.
- Soil bioassays.
- Wildlife exposure model.
- Biomarkers.
- Site-specific field studies.
- Weight of evidence.
- Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

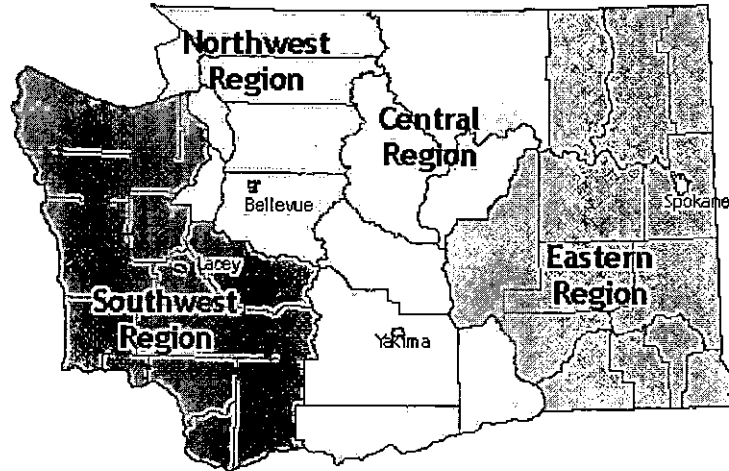
- Confirmed there was no problem.
- Confirmed there was a problem and established site-specific cleanup levels.

5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

- Yes *If so, please identify the Ecology staff who approved those steps:*
- No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160 th Ave. SE Bellevue, WA 98008-5452	Central Region: Attn: VCP Coordinator 15 W. Yakima Ave., Suite 200 Yakima, WA 98902
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

Terrestrial Ecological Evaluation Process- Simplified or Site-Specific Evaluation?

Documentation Form

	Terrestrial Concern	Response (Circle One)
*1	Is the site is located on or directly adjacent to an area where management or land use plans will maintain or restore <u>native or semi-native</u> vegetation?	Yes / <input type="radio"/> No
*2a	Is the site used by a <u>threatened or endangered species</u> ?	Yes / <input type="radio"/> No
*2b	Is the site used by a <u>wildlife species classified by the state department of fish and wildlife as a "priority species" or "species of concern" under Title 77 RCW?</u>	Yes / <input type="radio"/> No
*2c	Is the site used by a <u>plant species classified by the Washington state department of Natural Resources natural heritage program as "endangered," "threatened," or "sensitive" under Title 79 RCW.</u>	Yes / <input type="radio"/> No
*3	Is the site (area where the contamination is located) located on a property that contains at least ten acres of <u>native vegetation</u> within 500 feet of the area where the contamination is located?	Yes / <input type="radio"/> No
4	Has the department determined that the site may present a risk to significant wildlife populations?	Yes / <input type="radio"/> No

*1 This includes for example, green-belts, protected wetlands, forestlands, locally designated environmentally sensitive areas, open space areas managed for wildlife, and some parks or outdoor recreation areas. This does not include park areas used for intensive sport activities such as baseball or football.

*2a What are the threatened or endangered species in Washington state?

*2b Which plant species are classified as threatened, endangered, or sensitive? Where can I find out more information about this topic?

*2c For plants, "used" means that a plant species grows at the site or has been found growing at the site. For animals, "used" means that individuals of a species have been observed to live, feed or breed at the site.

*3 For this analysis, do not include native vegetation beyond the property boundary.

The following sources shall be used in making this determination: Natural Vegetation of Oregon and Washington, J.F. Franklin and C.T. Dyrness, Oregon State University Press, 1988, and L.C. Hitchcock, C.L. Hitchcock, J.W. Thompson and A. Cronquist, 1955-1969, Vascular Plants of the Pacific Northwest(5 volumes). Areas planted with native species for ornamental or landscaping purposes shall not be considered to be native vegetation. [WAC 173-340-7491(2)(c)(i)]

(Here's a link to the Seattle Public Library and the Washington State Library to borrow a copy of Natural Vegetation of Oregon and Washington, J.F. Franklin and C.T. Dyrness, Oregon State University Press, 1988, or you may purchase it through your favorite bookseller. Here's an additional link to a useful online Field Guide to Selected Rare Plants of Washington developed by the Washington State Department of Natural Resources' Natural Heritage Program (WNHP) and the Spokane District of the U.S.D.I. Bureau of Land Management (BLM) which contains fact sheets for 139 vascular plant species and one lichen species. Here is an aid to calculating area and an aerial photo depicting a site, its 500 foot boundary and several labeled circles identifying various areas for reference in judging the area of native vegetation within the 500 foot radius.

[\[Exclusions Main\]](#) [\[TEE Definitions\]](#) [\[Simplified or Site-Specific?\]](#) [\[Simplified Ecological Evaluation\]](#) [\[Site-Specific Ecological Evaluation\]](#) [\[WAC 173-340-7493\]](#)
[\[Index of Tables\]](#)
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Table 749-1

Simplified Terrestrial Ecological Evaluation-Exposure Analysis Procedure

Estimate the area of contiguous (connected) <u>undeveloped land</u> on the site or within 500 feet of any area of the site to the nearest 1/2 acre (1/4 acre if the area is less than 0.5 acre).																						
1) From the table below, find the number of points corresponding to the area and enter this number in the field to the right.																						
	<table border="1"> <thead> <tr> <th style="text-align: center;">Area (acres)</th> <th style="text-align: center;">Points</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">0.25 or less</td> <td style="text-align: center;">4</td> </tr> <tr> <td style="text-align: center;">0.5</td> <td style="text-align: center;">5</td> </tr> <tr> <td style="text-align: center;">1.0</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: center;">1.5</td> <td style="text-align: center;">7</td> </tr> <tr> <td style="text-align: center;">2.0</td> <td style="text-align: center;">8</td> </tr> <tr> <td style="text-align: center;">2.5</td> <td style="text-align: center;">9</td> </tr> <tr> <td style="text-align: center;">3.0</td> <td style="text-align: center;">10</td> </tr> <tr> <td style="text-align: center;">3.5</td> <td style="text-align: center;">11</td> </tr> <tr> <td style="text-align: center;">4.0 or more</td> <td style="text-align: center;">12</td> </tr> </tbody> </table>	Area (acres)	Points	0.25 or less	4	0.5	5	1.0	6	1.5	7	2.0	8	2.5	9	3.0	10	3.5	11	4.0 or more	12	12
Area (acres)	Points																					
0.25 or less	4																					
0.5	5																					
1.0	6																					
1.5	7																					
2.0	8																					
2.5	9																					
3.0	10																					
3.5	11																					
4.0 or more	12																					
2) Is this an <u>industrial</u> or <u>commercial</u> property? If yes, enter a score of 3. If no, enter a score of 1		3																				
3) ^a Enter a score in the box to the right for the habitat quality of the site, using the following rating system ^b . High=1, Intermediate=2, Low=3		3																				
4) Is the undeveloped land likely to attract wildlife? If yes, enter a score of 1 in the box to the right. If no, enter a score of 2. ^c		1																				
5) Are there any of the following soil contaminants present: Chlorinated dioxins/furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, pentachlorobenzene? If yes, enter a score of 1 in the box to the right. If no, enter a score of 4.		4																				
6) Add the numbers in the boxes on lines 2-5 and enter this number in the box to the right. If this number is larger than the number in the box on line 1, the simplified evaluation may be ended.		11																				

Notes for Table 749-1

^a It is expected that this habitat evaluation will be undertaken by an experienced field biologist. If this is not the case, enter a conservative score of (1) for questions 3 and 4.

^b **Habitat rating system.** Rate the quality of the habitat as high, intermediate or low based on your professional judgment as a field biologist. The following are suggested factors to consider in making this evaluation:

Low: Early successional vegetative stands; vegetation predominantly noxious, nonnative, exotic plant species or weeds. Areas severely disturbed by human activity, including intensively cultivated croplands. Areas isolated from other habitat used by wildlife.

High: Area is ecologically significant for one or more of the following reasons: Late-successional native plant communities present; relatively high species diversity; used by an uncommon or rare species; priority habitat (as defined by the Washington Department of fish and Wildlife); part of a larger area of habitat where size or fragmentation may be important for the retention of some species.

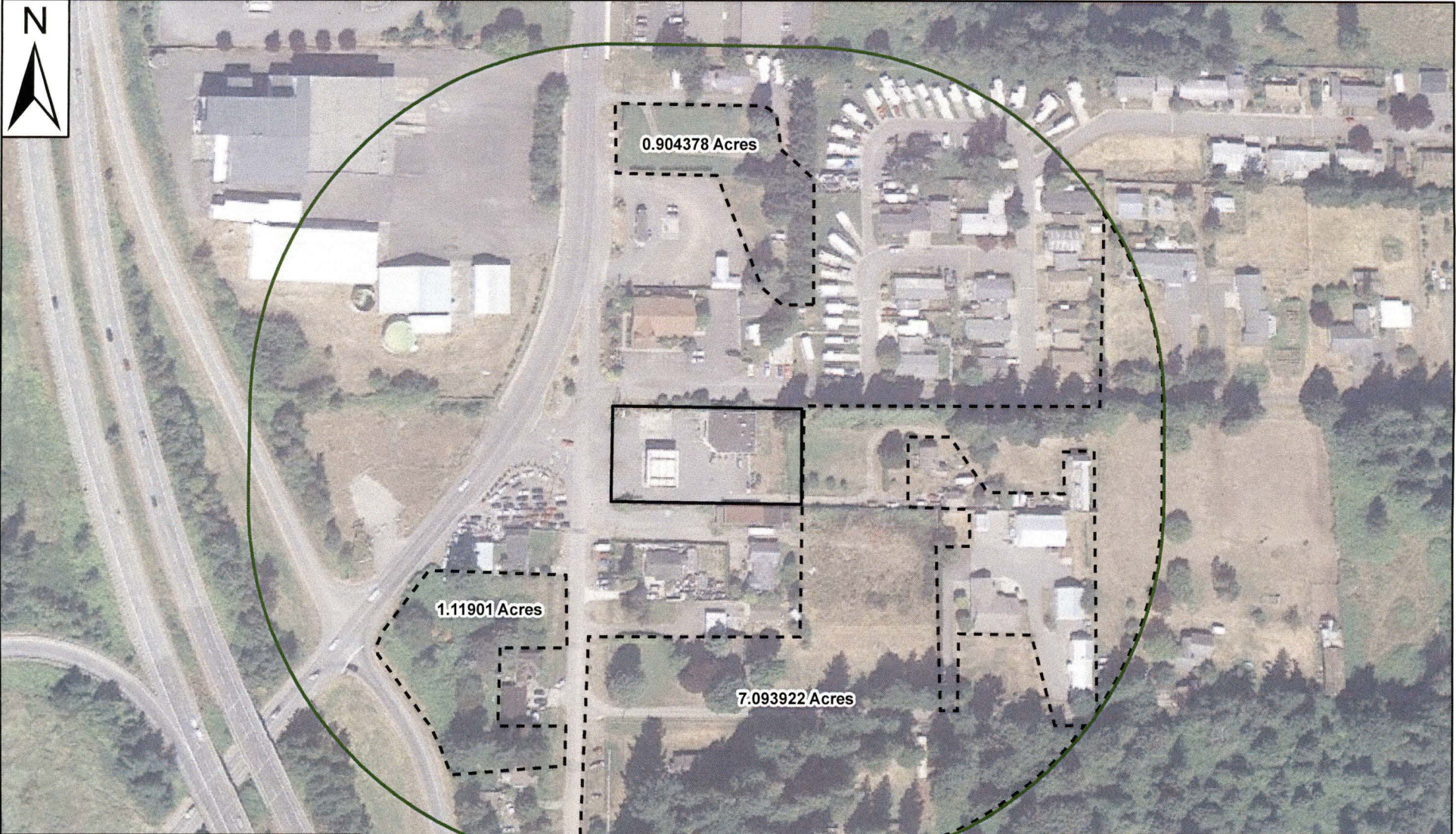
Intermediate: Area does not rate as either high or low.

° Indicate "yes" if the area attracts wildlife or is likely to do so. Examples: Birds frequently visit the area to feed; evidence of high use b mammals (tracks, scat, etc.); habitat "island" in an industrial area; unusual features of an area that make it important for feeding animals; heavy use during seasonal migrations.

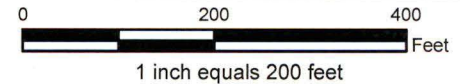
[\[Area Calculation Aid\]](#) [\[Aerial Photo with Area Designations\]](#) [\[TEE Table 749-1\]](#) [\[Index of Tables\]](#)




[\[Exclusions Main\]](#) [\[TEE Definitions\]](#) [\[Simplified or Site-Specific?\]](#) [\[Simplified Ecological Evaluation\]](#) [\[Site-Specific Ecological Evaluation\]](#) [\[WAC 173-340-7493\]](#)

[\[TEE Home\]](#)



All data are approximate and should be used for relative location reference only. 2011 Aerial Photograph (GoogleEarth).



-  Subject Property
-  500 ft Buffer Zone
-  TEE Contiguous Undeveloped Land

Prepared for:
Kris' Mini-Mart

Prepared by:
nwhatcom
ENVIRONMENTAL

**Terrestrial Ecological Evaluation
Contiguous Undeveloped Land**

Kris' Mini Mart
Name
12/17/13

Figure H-1