

# GROUNDWATER MONITORING REPORT: OCTOBER 2016

Former Jim's BP/Union 76 Mini Mart  
13 East Main Street  
Battle Ground, Clark County, Washington  
VCP Site SW1423

November 23, 2016  
Project No. 81157108

**Prepared for:**  
CLMG Corporation  
Plano, Texas

**Prepared by:**  
Terracon Consultants, Inc.  
Mountlake Terrace, Washington

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Geotechnical   ■   Environmental   ■   Construction Materials   ■   Facilities

November 23, 2016

CLMG Corporation  
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Plano, Texas 75024

Attn: Mr. Todd Cansler  
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E: [tcansler@clmgcorp.com](mailto:tcansler@clmgcorp.com)

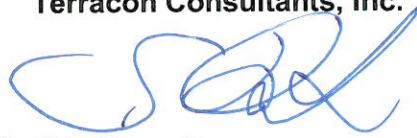
Re: **Groundwater Monitoring Report – October 2016**  
Former Jim's BP/Union 76 Mini Mart  
13 East Main Street  
Battle Ground, Clark County, Washington  
VCP Site SW1423  
Project Number: 81157108

Dear Mr. Cansler:

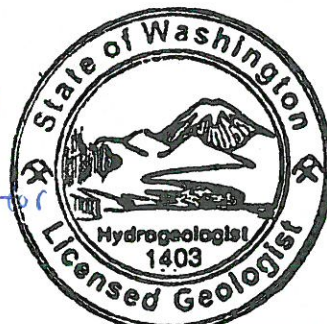
Terracon Consultants, Inc. (Terracon) is pleased to submit this Groundwater Monitoring Report for the above referenced site. This work was performed in general accordance with Terracon Proposal No. P81150196 dated July 7, 2015, and the terms, conditions and limitations in the Master Services Agreement between Terracon Consultants, Inc. and CLMG Corporation, dated July 1, 2013.

We appreciate the opportunity to perform these services for CLMG Corporation. In addition to sampling services, our professionals provide geotechnical, environmental, construction materials, and facilities services on a wide variety of projects locally, regionally and nationally. For more detailed information on all of Terracon's services please visit our website at [www.terracon.com](http://www.terracon.com). Please contact either of the undersigned at 425-771-3304 if you have questions regarding the information provided in the report.

Sincerely,  
Terracon Consultants, Inc.



*for*  
Kyle Bennett  
Environmental Technician



MICHAEL D. NOLL



Michael D. Noll, L.G., L.H.G.  
Senior Project Manager



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**GROUNDWATER MONITORING REPORT – OCTOBER 2016**  
**Former Jim’s BP/Union 76 Mini Mart**  
**13 East Main Street**  
**Battle Ground, Clark County, Washington**  
**VCP Site SW1423**  
{client review draft}  
**Terracon Project No. 81157108**  
**November 23, 2016**

## **1.0 SITE DESCRIPTION**

This Groundwater Monitoring Report documents groundwater sampling activities that were conducted at the Former Jim’s BP/Union 76 Mini Mart site located on the southeast corner of East Main Street and South Parkway Avenue in Battle Ground, Clark County, Washington. The subject site is an approximate 0.23-acre tract of land (Clark County tax parcel 91101110) that was developed as a gas station and convenience store in the early 1980s. A Topographic Map is included as Figure 1 and shows the site in relation to the surrounding area. Figure 2 presents the locations of the monitoring wells, injection borings, and former features at the site. Figure 3 depicts the groundwater migration direction inferred from water level measurements taken in October 2016.

### **1.1 Scope of Work**

Terracon Consultants, Inc. (Terracon) conducted groundwater monitoring at the site wells, in general accordance with Terracon Proposal No. P81150196 dated July 7, 2015, and the terms, conditions, and limitations in the Master Services Agreement between Terracon Consultants, Inc. and CLMG Corporation, dated July 1, 2013.

This report includes a description of the groundwater sample collection activities, tables showing current and historical depth to groundwater measurements and analytical results, and a copy of the analytical laboratory report with chain-of-custody documentation.

### **1.2 Standard of Care**

Terracon’s services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. Please note that Terracon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report. These groundwater monitoring services were performed in

accordance with the scope of work agreed with you, our client, as reflected in our proposal.

### **1.3 Additional Scope Limitations**

This report was intended to reduce, but not eliminate, uncertainty regarding the existence of recognized environmental conditions in connection with the subject site. Findings, conclusions, and recommendations resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, non-detectable, or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this groundwater sampling event. Subsurface conditions may vary from those encountered at the time of construction or at specific borings or wells or during other surveys, tests, assessments, investigations, or exploratory services. The data, interpretations, findings, and our recommendations are based solely upon data obtained at the time and within the scope of these services. If, during future site development, different subsurface conditions from those encountered during our explorations are observed or appear to be present, we must be advised promptly so that we can review these conditions and reconsider or modify our conclusions and recommendations where necessary.

### **1.4 Reliance**

This report has been prepared for the exclusive use and reliance of CLMG Corporation. Use or reliance by any other party (except a governmental entity having jurisdiction over the site) is prohibited without the written authorization of CLMG Corporation and Terracon.

Reliance on this report by the client and all authorized parties will be subject to the terms, conditions, and limitations stated in this report and Terracon's agreement for services. The limitation of liability defined in the terms and conditions is the aggregate limit of Terracon's liability to the client and all relying parties unless otherwise agreed in writing.

## 2.0 SITE HISTORY AND PREVIOUS SAMPLING EVENTS

The subject site was developed as a gasoline station in the early 1980s. Most recently, the site operated as a Union 76-branded gasoline station/convenience store with a fueling island, dispenser canopy, asphalt paved parking areas, and landscaped areas. Three underground storage tanks (USTs) are located at the site, consisting of a single wall steel 6,000-gallon gasoline tank, a single wall steel 4,000-gallon diesel tank, and a fiberglass reinforced plastic (FRP) double wall 8,000-gallon gasoline tank. The tanks were permanently closed-in-place in June 2014 and the dispenser island and canopy were demolished. The associated convenience store is currently occupied by a retail liquor store tenant. Figure 2 depicts the approximate locations of former site features.

A confirmed release of petroleum hydrocarbons to site soil and groundwater was discovered during the installation of the 8,000-gallon FRP UST in 1991 (Washington State Department of Ecology (Ecology), *Feasibility Studies and Remedial Activities Conducted at Jim's BP*, June 30, 2000). The site owner/operator entered into a Consent Decree with Ecology, and Ecology conducted a site characterization and interim remedial action at the site between 1992 and 1999. Ecology oversaw the installation of four groundwater monitoring wells (MW-1, MW-3, MW-5, and MW-6) on the site (Figure 2). Ecology directed soil sampling at several locations on the site (see borings SP-7 and SP-8 on Figure 2), and selected injections of an oxygen release compound (ORC) as the remedial alternative at the site. Those injections of ORC were performed by Ecology's contractor in 1999. After those injections were performed, and although soil and groundwater impacts still exceeded the Washington State Model Toxics Control Act (MTCA) Method A cleanup levels for petroleum hydrocarbons in 1999, Ecology issued a No Further Action (NFA) determination for the site in 2000, presumably basing its determination on the limited extent of remaining soil contamination at the site, the unpotable nature of the perched groundwater, and the low potential for direct contact with subsurface soils because of the paved nature of the site.

Terracon conducted a Limited Site Investigation (LSI) at the site on behalf of CLMG in 2011 (*Limited Site Investigation, Union 76 Mini Mart*, dated October 4, 2011). Soil and groundwater samples were collected from direct-push soil borings B-1 through B-4 in the vicinity of the USTs and fuel dispensers (Figure 2). With the exception of one location, all soil and groundwater analytical results were below the laboratory method reporting limits (MRLs) and/or respective MTCA Method A cleanup levels for benzene, toluene, ethylbenzene, and xylenes (BTEX) and for diesel- and oil-range total petroleum hydrocarbons (TPH). Elevated concentrations of gasoline-range TPH exceeding the MTCA Method A cleanup levels were identified in site soil and groundwater in boring B-3. Based on the similarity with the concentrations observed by Ecology in 1999, the lack of BTEX compounds, and the weathered nature of the chromatograms for the petroleum hydrocarbons detected, these impacts appeared to be associated with the

previous documented release that Ecology was aware of and had issued an NFA letter for, dated April 6, 2000. Based on this information, additional investigation did not appear to be warranted.

Terracon and 3 Kings Environmental, on behalf of CLMG, permanently closed the USTs in place between April and June 2014 (*UST Decommissioning Report, Union 76 Mini Mart*, dated July 9, 2014). Terracon collected soil samples from the north, east, south, and west sides of the tank basin (THN-6, THE-6.5, THS-6, and THW-5, respectively) at 5 to 6.5 feet below the ground surface (bgs), just above the top of the groundwater table. Groundwater samples were also collected at this time from site monitoring wells MW-1, MW-3, MW-5, and MW-6 to evaluate groundwater quality for the UST closure investigation. Three soil samples were collected from beneath the west, central, and east fuel dispensers (DIW-2.5, DIC-2.5, and DIE-2.5) at approximately 2.5 feet bgs. All soil and groundwater sample analytical results were below the laboratory MRLs and/or respective MTCA Method A cleanup levels for gasoline-range TPH, BTEX, and diesel-and oil-range TPH.

After reviewing the initial soil sample locations and laboratory results, Ecology requested that additional soil samples be collected from the UST area as part of the UST system closure evaluation. Terracon collected additional compliance soil samples from borings B-5 through B-8 in May 2014 (Figure 2). The borings were advanced to 8 feet bgs and compliance soil samples were collected from the borings at 6 to 7 feet bgs (top of the groundwater table). All soil sample results were below the laboratory MRLs and/or respective MTCA Method A cleanup levels for gasoline-range TPH, BTEX, and diesel-and oil-range TPH.

During the tank closure process, Ecology expressed concern regarding the limited soil and groundwater impacts at boring B-3 identified by Terracon as part of the 2011 LSI. After a series of conversations with Ecology, CLMG made the decision to perform additional soil and groundwater sampling in the vicinity of B-3 in order to confirm that the soil impacts in that area were associated with the earlier, known releases at the site that were the subject of Ecology's April 6, 2000 NFA determination.

Terracon completed a Supplemental LSI for the site in November 2014 (*Supplemental Limited Site Investigation, Former Jim's BP/Mini Mart*, dated January 14, 2015). Five soil borings (B-9 through B-12 and MW-7) were advanced in the area of boring B-3. One boring was completed as permanent groundwater monitoring well MW-7. Two to three soil samples were collected from each boring, and groundwater samples were collected from monitoring wells MW-5 and MW-7. Gasoline-range TPH and benzene were detected above the MTCA Method A cleanup levels for soil collected from the MW-7 boring at approximately 7.5 feet bgs, below the top of the groundwater table (encountered at approximately 5 feet bgs). Gasoline-range TPH was also detected at a

concentration of 990 micrograms per liter ( $\mu\text{g/L}$ ) in the groundwater sample collected from monitoring well MW-7, slightly above the MTCA Method A cleanup level (800  $\mu\text{g/L}$  when benzene is present). Diesel-range TPH was detected at concentrations slightly above the MTCA Method A cleanup level (500  $\mu\text{g/L}$ ) for the groundwater samples collected from monitoring wells MW-5 and MW-7 (560  $\mu\text{g/L}$  and 980  $\mu\text{g/L}$ , respectively). The dissolved oxygen (DO) readings in the purge water from wells MW-5 and MW-7 in November 2014 were 1.44 milligrams per liter (mg/L) and 2.67 mg/L, respectively

In August 2015, Terracon and Cascade Drilling, L.P., completed injections of in situ chemical oxidation (ISCO) compounds (ORC-A and RegenOx® Part A) into five direct push borings (IP-01 through IP-05, Figure 2) in the vicinity of monitoring wells MW-5 and MW-7 (*Remedial Treatment and Groundwater Monitoring Report: September 2015, Former Jim's BP/Union 76 Mini Mart, October 21, 2015*).

Following the completion of the injections, Terracon collected groundwater samples from wells MW-5 and MW-7 in September 2015. Diesel-range TPH was detected at a concentration of 770  $\mu\text{g/L}$  in the groundwater sample collected from monitoring well MW-7, slightly above the MTCA Method A cleanup level, but below the sample concentration reported in November 2014. The dissolved oxygen (DO) readings in the purge water from wells MW-5 and MW-7 in September 2015 were 18.25 milligrams per liter (mg/L) and greater than 20 mg/L, respectively. According to the manufacturer, the ORC-A product is designed to release oxygen to the subsurface over a period of up to one year.

Monitoring wells MW-5 and MW-7 were sampled in December 2015, approximately four months following the ISCO injections (*Groundwater Monitoring Report: December 2015, Former Jim's BP/Union 76 Mini Mart, January 4, 2016*). The gasoline-range TPH concentration in the groundwater sample collected from monitoring well MW-7 increased from below the laboratory reporting limit in September 2015 to 1,900  $\mu\text{g/L}$  in December 2015. During the period of August to December 2015, the shallow perched groundwater table rose 2 to 3 feet, which may have caused remnant, highly weathered gasoline in the shallow soil to come into contact with the groundwater. The DO readings in the purge water from wells MW-5 and MW-7 in December 2015 remained elevated, at 10.58 mg/L and 14.31 mg/L, respectively.

Monitoring wells MW-5 and MW-7 were sampled in February 2016 (*Groundwater Monitoring Report: February 2016, Former Jim's BP/Union 76 Mini Mart, dated March 9, 2016*). The gasoline-range TPH concentration in the groundwater sample collected from monitoring well MW-7 decreased to 1,300  $\mu\text{g/L}$  in February 2016. The diesel-range TPH concentration in the MW-7 groundwater sample was 510  $\mu\text{g/L}$ . The DO readings in the purge water from wells MW-5 and MW-7 in February 2016 were approximately 8 mg/L and 26 mg/L, respectively.

Monitoring wells MW-1, MW-3, MW-5, MW-6, and MW-7 were sampled in April 2016 (*Groundwater Monitoring Report: April 2016, Former Jim's BP/Union 76 Mini Mart*, dated April 22, 2016). Gasoline-, diesel-, and oil-range TPH were not identified at concentrations above the laboratory MRLs in the groundwater samples collected from the site monitoring wells. The stabilized DO reading for the groundwater purged from well MW-7 was 12.38 mg/L; the DO readings for the groundwater purged from wells MW-1, MW-3, MW-5, and MW-6 ranged from 0.79 mg/L to 3.94 mg/L.

Terracon, on behalf of the property owner (CXA Corp), requested an Opinion Letter from Ecology in April 2016 regarding whether the site cleanup action was complete, based on the April 2016 groundwater sampling results. Ecology issued an Opinion Letter, dated July 15, 2016, and stated that four quarters of groundwater monitoring results with concentrations below MTCA Method A cleanup levels are required to demonstrate that site cleanup goals have been achieved.

Monitoring wells MW-5 and MW-7 were sampled in July 2016 (*Groundwater Monitoring Report: July 2016, Former Jim's BP/Union 76 Mini Mart*, dated August 9, 2016). Gasoline- and diesel-range TPH were detected in the groundwater sample collected from monitoring well MW-7 at concentrations of 74 µg/L and 140 µg/L, respectively, both well below the MTCA Method A cleanup levels. Gasoline-, diesel-range TPH were not detected in the sample collected from well MW-5, and oil-range TPH and BTEX were not detected in either sample in July 2016. The DO readings in the purge water from wells MW-5 and MW-7 in July 2016 remained elevated, at approximately 6.6 mg/L and 17.3 mg/L, respectively.

## **3.0 GROUNDWATER SAMPLING**

### **3.1 Groundwater Sampling**

Terracon collected groundwater samples from wells MW-5 and MW-7 on October 18, 2016. Depth to groundwater was measured in monitoring wells MW-1, MW-3, MW-5, MW-6, and MW-7 prior to the sample collection activities at wells MW-5 and MW-7. The water level probe was cleaned using an Alconox® wash and distilled water rinse before use in each well. Measured depth to water ranged from 3.00 feet below the top of the well casing (TOC) at well MW-6 to 21.28 feet below TOC at well MW-3 (Table 1).

Measured depth to groundwater and TOC elevation data were used to determine the groundwater elevation at each well. Groundwater elevations ranged from approximately 271.8 feet above mean sea level (MSL) at well MW-3, to approximately 288 feet above MSL at well MW-5. Based on the October 2016 groundwater elevation data, groundwater appears to be mounded in the vicinity of wells MW-5 and MW-6 and is migrating preferentially toward the southeast (Figure 3).

Prior to sample collection, wells MW-5 and MW-7 were purged using a peristaltic pump equipped with clean tubing. Low-flow groundwater discharge rates were maintained during purging in order to minimize the drawdown of the water level in the wells. Groundwater parameters (pH, temperature, specific conductance, and dissolved oxygen) were measured during well purging using a multifunction meter and a flow-through cell. Groundwater samples were collected when all parameters were within 10% for at least two consecutive readings.

The stabilized dissolved oxygen (DO) reading for the groundwater purged from wells MW-5 and MW-7 remained elevated, at approximately 3.4 mg/L and 31.4 mg/L, respectively.

Purge volumes were approximately 1.3 to 2.1 gallons from each well. The purge water from the monitoring wells was clear, with no hydrocarbon-like odor or sheen. The purge water was stored onsite in a labeled 55-gallon drum located in the dumpster enclosure at the southeast corner of the property, pending receipt of laboratory analytical results.

Following the stabilization of measured groundwater parameters, samples were collected utilizing a peristaltic pump. Discharge from the peristaltic pump was directed into laboratory provided glassware. Each sample container was labeled with the site name, date, time, and well/sample number.

### **3.2 Analytical Laboratory Testing**

Groundwater samples were delivered to ALS Environmental (ALS), a Washington accredited analytical laboratory located in Everett, Washington, for laboratory analysis for the following, using a standard turnaround time:

- Gasoline-range TPH using Northwest Method NWTPH-Gx,
- Diesel-, and oil-range TPH using Northwest Method NWTPH-Dx, and
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) using EPA Method 8260.

The executed chain-of-custody form and laboratory analytical certificate are provided in Appendix A.

### **3.3 Quality Assurance/Quality Control Results**

The analytical results for the current investigation were checked for completeness immediately upon receipt from the laboratory to ensure that data and QA/QC information requested were present. Data quality was assessed by considering hold times, surrogate recovery, method blanks, matrix spike and matrix spike duplicate (MS/MSD) recovery, and detection limits. QA/QC review was completed using guidance described

in *USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review* (Draft Final, USEPA, 2005). Our evaluation assumes that the QA/QC is correct as reported by the laboratory, and merely provides an interpretation of the QA/QC results.

- Hold Times: All analyses were completed within specified hold times.
- Surrogate Recoveries: All surrogate recoveries were within laboratory limits.
- Method Blanks: Analytes were not detected in any of the laboratory method blanks.
- MS/MSD Results: MS and MSD recoveries were all within laboratory limits, and Relative Percent Differences (RPDs) between MS and MSD recoveries were all within laboratory limits.
- Laboratory Reporting Limits: Reporting limits were below relevant MTCA cleanup levels.

Based upon our interpretation of quality control information provided by the laboratory, it is our opinion that the overall dataset is useable as qualified for the purposes of this report and groundwater sampling event.

#### **4.0 LABORATORY ANALYTICAL RESULTS**

A summary of analytical results for groundwater quality from the October 2016 sampling event is presented in Table 2. The results are tabulated with the state cleanup levels included for comparison. The complete laboratory report and chain-of-custody form for analytical results from this sampling event are included in Appendix A.

##### **Gasoline-, Diesel-, and Oil-Range TPH**

Gasoline-range TPH was detected in the sample collected from well MW-7 at a concentration of 99 micrograms per liter ( $\mu\text{g/L}$ ), and diesel-range TPH was detected at a concentration of 210  $\mu\text{g/L}$ . These detections are well below their respective MTCA Method A cleanup levels of 800  $\mu\text{g/L}$  (gasoline-range TPH) and 500  $\mu\text{g/L}$  (diesel-range TPH).

No other constituents were detected above the laboratory method reporting limits (MRLs) in the samples collected.

##### **BTEX**

BTEX groundwater sampling results were below their respective laboratory MRLs.

## 5.0 FINDINGS AND CONCLUSIONS

Monitoring wells MW-5 and MW-7 were sampled in October 2016. Based on the results of the October 2016 groundwater sampling event, the findings and conclusions of this report are as follows:

- Gasoline-range TPH was detected in the groundwater sample collected from well MW-7 at 99 µg/L and diesel-range TPH was detected in the sample at 210 µg/L.
- Oil-range TPH and BTEX constituents were not identified at concentrations above the laboratory MRLs in the groundwater samples collected.
- Groundwater is generally mounded in the vicinity of monitoring wells MW-5 and MW-6, and appears to migrate preferentially toward the southeast.

## 6.0 RECOMMENDATIONS

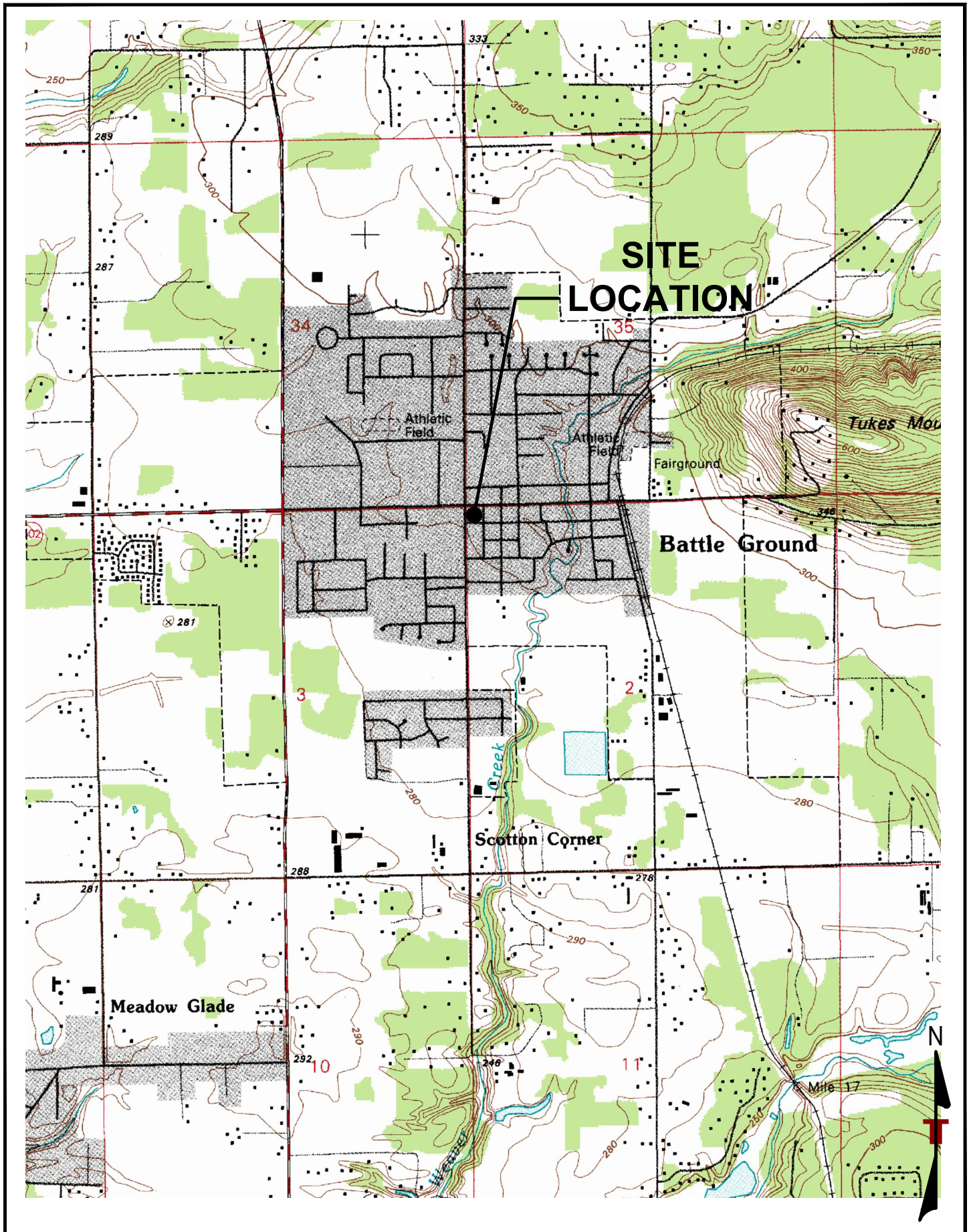
Based on the results of the most recent groundwater sampling event conducted at the site, Terracon recommends that groundwater monitoring be continued at the site for one additional quarter in order to obtain a No Further Action determination for the site from Ecology under the Voluntary Cleanup Program.

## **FIGURES**

**Figure 1 – Topographic Map**

**Figure 2 – Site Diagram**

**Figure 3 – Groundwater Contour Map – October 18, 2016**



Project Mngnr.	MDN
Drawn By:	AWS
Checked By:	MDN
Approved By:	MYW

Project No.	81157108
Scale:	NOT TO SCALE
File No.	FIGURE 1
Date:	OCTOBER 2015

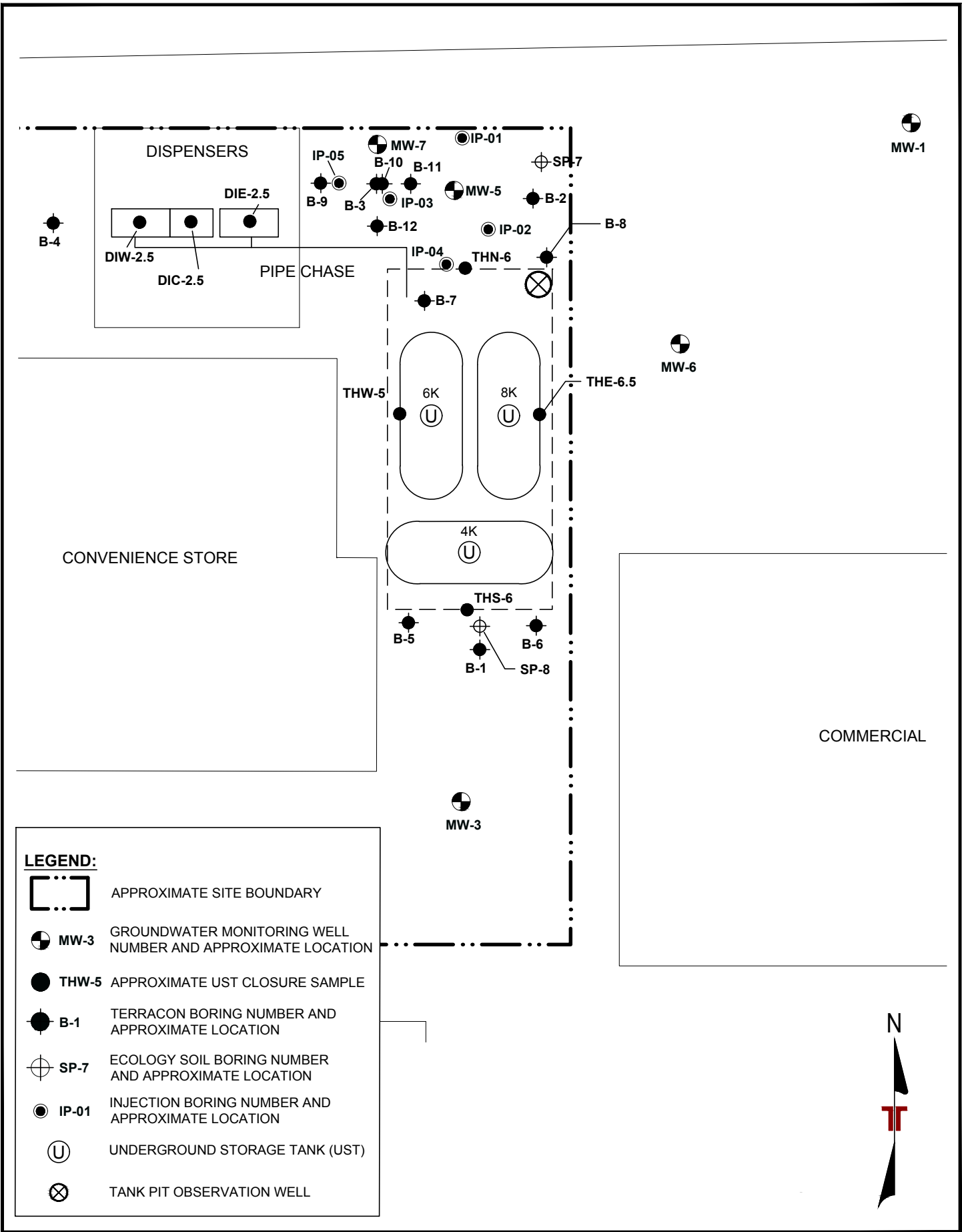
**Terracon**  
 Consulting Engineers and Scientists

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**TOPOGRAPHIC MAP**

Union 76 Mini Mart  
 13 East Main Street  
 Battle Ground, Clark County, Washington

FIG. NO.	1
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Project Mngnr:	MDN
Drawn By:	AWS
Checked By:	MDN
Approved By:	MYW

Project No.	81157108
Scale:	NOT TO SCALE
File No.	FIGURE 2
Date:	OCTOBER 2015

**Terracon**  
Consulting Engineers and Scientists

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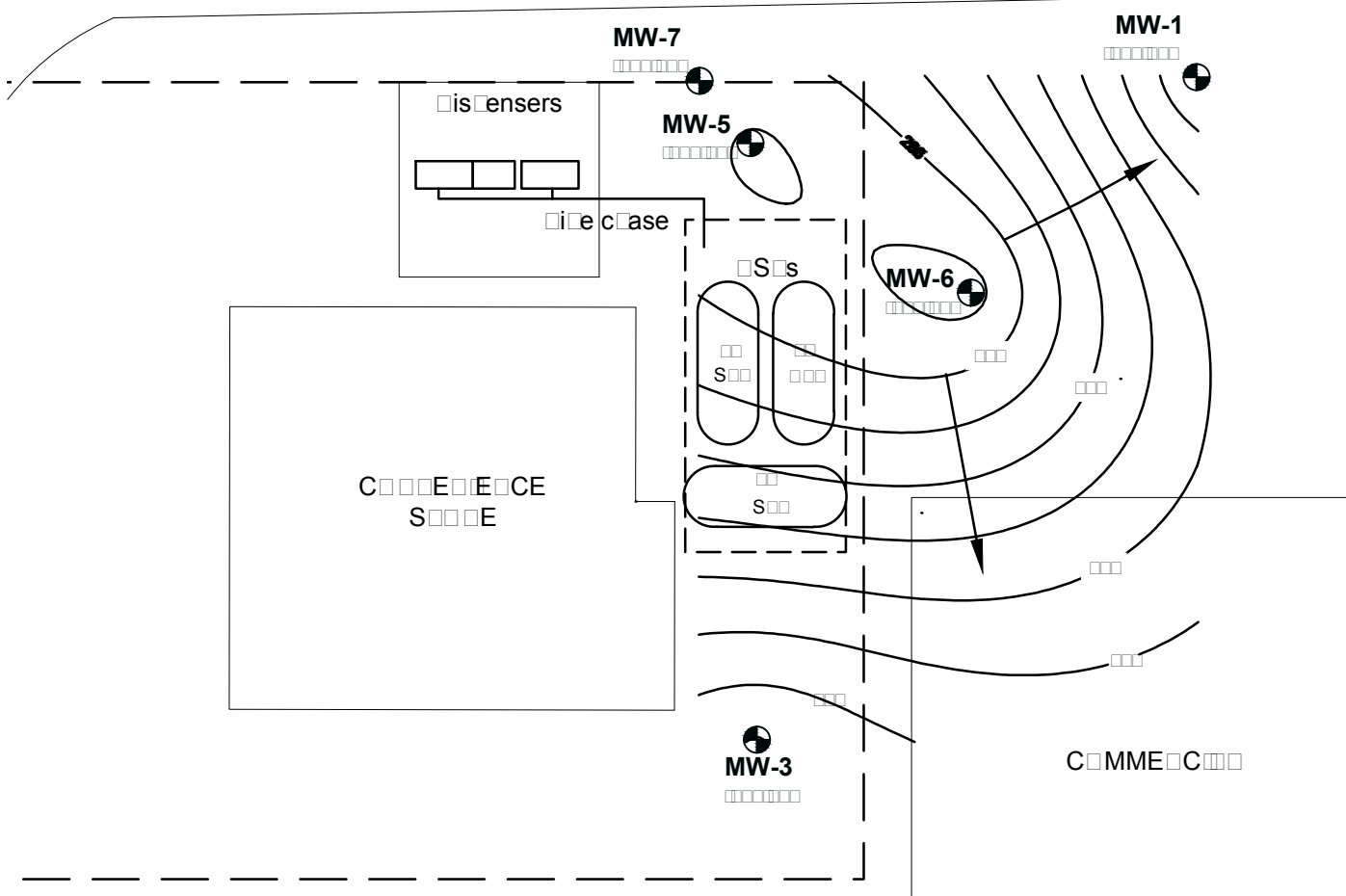
**SITE DIAGRAM**

Union 76 Mini Mart  
13 East Main Street  
Battle Ground, Clark County, Washington



FIG. NO.	2
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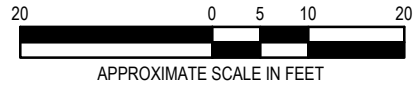


□ M □ □ S □ □ E □ □



**LEGEND:**

 **MW-3** □ round water monitoring well number  
 □ round water elevation contour



 □ round water Contour feet  
 inferred groundwater flow direction

Project Mngnr:	MDN	Project No.	81157108
Drawn By:	HRG	Scale:	AS SHOWN
Checked By:	MDN	File No.	040516.dwg
Approved By:	MYW	Date:	November 2016

  
 Consulting Engineers and Scientists  
 21905 64th Avenue W., Ste 100 Mountlake Terrace, WA 98043  
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**GROUNDWATER CONTOUR MAP**  
 Union 76 Mini Mart  
 13 East Main Street  
 Battle Ground, Clark County, Washington

FIG. No.	3
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## **TABLES**

**Table 1 – Summary of Depth to Groundwater Measurements**

**Table 2 – Summary of Groundwater Analytical Results**

TABLE 1

SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS

Union 76 Mini Mart  
 13 East Main Street  
 Battle Ground, Washington

Well Number	Sample Date	TOC Elevation" (Feet)	Depth to Water (Feet)	Relative Groundwater Elevation (Feet)
MW-1 (Depth to Bottom = 20.5 feet; Well Screen = 10 to 20 feet)	10/18/2016	291.83	19.94	271.89
	7/12/2016	291.83	Dry	--
	4/5/2016	291.83	19.03	272.80
	2/4/16	291.83	18.82	273.01
	12/3/15	291.83	20.23	271.60
	9/11/15	291.83	Dry	--
	8/13/15	291.83	Dry	--
	11/10/14	291.83	19.45	272.38
	5/22/14	291.83	18.50	273.33
	4/29/14	291.83	18.10	273.73
	Dec-99	291.83	19.2	272.63
	Sep-98	291.83	Dry	--
	Nov-95	291.83	19.3	272.53
	May-95	291.83	19.1	272.73
	Nov-94	291.83	18.8	273.03
	Apr-94	291.83	19.6	272.23
	Apr-93	291.83	19.2	272.63
	Jan-93	291.83	19.3	272.53
	Oct-92	291.83	Dry	--
	May-92	291.83	17.7	274.13
Apr-92	291.83	15.6	276.23	
Mar-92	291.83	13.0	278.83	

**TABLE 1**

**SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS**

**Union 76 Mini Mart  
13 East Main Street  
Battle Ground, Washington**

<b>Well Number</b>	<b>Sample Date</b>	<b>TOC Elevation" (Feet)</b>	<b>Depth to Water (Feet)</b>	<b>Relative Groundwater Elevation (Feet)</b>
MW-3 (Depth to Bottom = 24.0 feet; Well Screen = 13 to 23 feet)	10/18/2016	293.08	21.28	271.80
	7/12/2016	293.08	22.50	270.58
	4/5/2016	293.08	21.10	271.98
	2/4/16	293.08	20.68	272.40
	12/3/15	293.08	21.35	271.73
	9/11/15	293.08	22.55	270.53
	8/13/15	293.08	22.61	270.47
	11/10/14	293.08	21.32	271.76
	5/22/14	293.08	20.89	272.19
	4/29/14	293.08	20.16	272.92
	Dec-99	293.08	21.0	272.08
	Sep-98	293.08	22.3	270.78
	Nov-95	293.08	20.8	272.28
	May-95	293.08	21.1	271.98
	Nov-94	293.08	20.0	273.08
	Apr-94	293.08	21.3	271.78
	Apr-93	293.08	21.2	271.88
	Jan-93	293.08	21.0	272.08
	Oct-92	293.08	22.7	270.38
	May-92	293.08	20.7	272.38
Apr-92	293.08	20.4	272.68	
Mar-92	293.08	14.0	279.08	

TABLE 1

SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS

Union 76 Mini Mart  
 13 East Main Street  
 Battle Ground, Washington

Well Number	Sample Date	TOC Elevation" (Feet)	Depth to Water (Feet)	Relative Groundwater Elevation (Feet)
MW-5 (Depth to Bottom = 20.5 feet; Well Screen = 10 to 20 feet)	10/18/2016	292.25	3.87	288.38
	7/12/2016	292.25	6.14	286.11
	4/5/2016	292.25	5.25	287.00
	2/4/16	292.25	4.72	287.53
	12/3/15	292.25	5.55	286.70
	9/11/15	292.25	7.43	284.82
	8/13/15	292.25	7.65	284.60
	11/10/14	292.25	4.34	287.91
	5/22/14	292.25	5.56	286.69
	4/29/14	292.25	4.63	287.62
	Dec-99	292.25	7.3	284.95
	Sep-98	292.25	15.6	276.65
	Nov-95	292.25	9.46	282.79
	May-95	292.25	11.4	280.85
	Nov-94	292.25	13.9	278.35
	Apr-94	292.25	13.5	278.75
	Apr-93	292.25	11.8	280.45
	Jan-93	292.25	12.6	279.65
	Oct-92	292.25	17.6	274.65
	May-92	292.25	8.6	283.65
Apr-92	292.25	8.3	283.95	
Mar-92	292.25	9.5	282.75	

**TABLE 1**

**SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS**

**Union 76 Mini Mart  
13 East Main Street  
Battle Ground, Washington**

<b>Well Number</b>	<b>Sample Date</b>	<b>TOC Elevation" (Feet)</b>	<b>Depth to Water (Feet)</b>	<b>Relative Groundwater Elevation (Feet)</b>
MW-6 (Depth to Bottom = 20.0 feet; Well Screen = 10 to 20 feet)	10/18/2016	291.86	3.00	288.86
	7/12/2016	291.86	5.51	286.35
	4/5/2016	291.86	4.80	287.06
	2/4/16	291.86	3.88	287.98
	12/3/15	291.86	4.24	287.62
	9/11/15	291.86	7.35	284.51
	8/13/15	291.86	6.33	285.53
	11/10/14	291.86	3.78	288.08
	5/22/14	291.86	4.65	287.21
	4/29/14	291.86	4.09	287.77
	Dec-99	291.86	4.7	287.16
	Sep-98	291.86	7.6	284.26
	Nov-95	291.86	4.5	287.36
	May-95	291.86	4.8	287.06
	Nov-94	291.86	5.5	286.36
	Apr-94	291.86	6.1	285.76
	Apr-93	291.86	5.0	286.86
	Jan-93	291.86	5.8	286.06
	Oct-92	291.86	8.1	283.76
	May-92	291.86	9.1	282.76
Apr-92	291.86	5.8	286.06	
Mar-92	291.86	9.0	282.86	

TABLE 1

SUMMARY OF DEPTH TO GROUNDWATER MEASUREMENTS

Union 76 Mini Mart

13 East Main Street

Battle Ground, Washington

Well Number	Sample Date	TOC Elevation" (Feet)	Depth to Water (Feet)	Relative Groundwater Elevation (Feet)
MW-7 (Depth to Bottom = 20.0 feet; Well Screen = 5 to 20 feet)	10/18/2016	292.21	6.13	286.08
	7/12/2016	292.21	7.17	285.04
	4/5/2016	292.21	7.42	284.79
	2/4/16	292.21	6.95	285.26
	12/3/15	292.21	6.04	286.17
	9/11/15	292.21	14.21	278.00
	8/13/15	292.21	9.62	282.59
	11/10/14	292.21	5.41	286.80

\*TOC = Top of casing elevations for wells MW-1, MW-3, MW-5, and MW-6 from *Feasibility Studies and Remedial Activities Conducted at Jim's BP*, Department of Ecology, June 30, 2000, Figure 5 - Stratigraphic Cross Sections.

TABLE 2

## SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Former Jim's BP/Union 76 Mini Mart

13 East Main Street

Battle Ground, Clark County, Washington

all concentrations are in µg/l (micrograms per liter)

Well Location	Sample Number	Sample Date	Groundwater Depth (ft)	TPH			BTEX				MTBE	EDB	EDC	Metals
				Gasoline-Range	Diesel-Range	Oil-Range	Benzene	Toluene	Ethylbenzene	Xylenes	Methyl Tertiary Butyl Ether	1,2-Dibromoethane	1,2 Dichloroethane	Lead
MW-1	MW-1	4/5/2016	19.03	ND (<130)	ND (<310)	ND (<310)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-1	4/29/2014	18.10	ND (<100)	ND (<100)	ND (<250)	ND (<0.50)	ND (<5.0)	ND (<0.50)	ND (<1.5)	--	--	--	--
MW-3	MW-3	4/5/2016	21.10	ND (<130)	ND (<310)	ND (<310)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-3	4/28/2014	20.03	ND (<100)	ND (<100)	ND (<250)	ND (<0.50)	ND (<5.0)	ND (<0.50)	ND (<1.5)	--	--	--	--
	MW-S	9/2/2011	23.00	ND (<100)	<b>41 J</b>	ND (<250)	ND (<1.0)	ND (<5.0)	ND (<1.0)	ND (<3.0)	--	--	--	--
MW-5	MW-5	10/18/2016	3.00	ND (<50)	ND (<130)	ND (<250)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-5	7/12/2016	6.14	ND (<50)	ND (<130)	ND (<250)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-5	4/5/2016	5.25	ND (<130)	ND (<310)	ND (<310)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-5	2/4/2016	4.72	<b>75</b>	ND (<130)	ND (<250)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	ND (<2.0)	ND (<0.010)	ND (<2.0)	--
	MW-5	12/3/2015	5.55	<b>100</b>	<b>240</b>	ND (<250)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<3.0)	--	--	--	--
	MW-5*	9/11/2015	7.43	ND (<250)	<b>450</b>	ND (<250)	ND (<0.50)	ND (<0.50)	ND (<0.50)	<b>1.1**</b>	--	--	--	--
	MW-5	11/10/2014	4.34	ND (<100)	<b>560</b>	ND (<250)	ND (<0.50)	ND (<5.0)	ND (<0.50)	ND (<1.5)	--	--	--	--
	MW-5	4/28/2014	4.40	ND (<100)	<b>200</b>	ND (<250)	<b>0.73</b>	ND (<5.0)	<b>0.51</b>	<b>2.0</b>	--	--	--	ND (<5.0)
	MW-5	9/2/2011	9.00	<b>150</b>	<b>270</b>	ND (<250)	ND (<1.0)	ND (<5.0)	ND (<1.0)	ND (<3.0)	--	--	--	--

TABLE 2

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Former Jim's BP/Union 76 Mini Mart

13 East Main Street

Battle Ground, Clark County, Washington

all concentrations are in µg/l (micrograms per liter)

Well Location	Sample Number	Sample Date	Groundwater Depth (ft)	TPH			BTEX				MTBE	EDB	EDC	Metals
				Gasoline-Range	Diesel-Range	Oil-Range	Benzene	Toluene	Ethylbenzene	Xylenes	Methyl Tertiary Butyl Ether	1,2-Dibromoethane	1,2 Dichloroethane	Lead
MW-6	MW-6	4/5/2016	4.80	ND (<130)	ND (<310)	ND (<310)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-6	4/29/2014	4.09	ND (<100)	ND (<100)	ND (<250)	ND (<0.50)	ND (<5.0)	ND (<0.50)	ND (<1.5)	--	--	--	--
MW-7	MW-7	10/18/2016	6.13	<b>99</b>	<b>210</b>	ND (<250)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-7	7/12/2016	7.17	<b>74</b>	<b>140</b>	ND (<250)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-7	4/5/2016	7.42	ND (<130)	ND (<310)	ND (<310)	ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<4.0)	--	--	--	--
	MW-7	2/4/2016	6.95	<b>1,300</b>	<b>510</b>	ND (<250)	ND (<2.0)	ND (<2.0)	<b>18</b>	ND (<4.0)	ND (<2.0)	ND (<0.010)	ND (<2.0)	--
	MW-7	12/3/2015	6.04	<b>1,900</b>	ND (<500)	ND (<250)	ND (<1.0)	ND (<1.0)	<b>18</b>	ND (<3.0)	--	--	--	--
	MW-7*	9/11/2015	14.21	ND (<250)	<b>770</b>	<b>480</b>	ND (<0.50)	ND (<0.50)	ND (<0.50)	ND (<1.0)	--	--	--	--
	MW-7	11/10/2014	5.41	<b>990</b>	<b>980</b>	<b>280</b>	<b>1.3</b>	ND (<5.0)	<b>41</b>	<b>2.1</b>	--	--	--	--
<b>MTCA Method A and Method B Cleanup Levels</b>				<b>800</b>	<b>500</b>	<b>500</b>	<b>5</b>	<b>1,000</b>	<b>700</b>	<b>1,000</b>	<b>20</b>	<b>0.01</b>	<b>5</b>	<b>15</b>

Note: Concentrations detected are in **BOLD** type. Shaded and bold concentrations are above MTCA cleanup levels. ND - Not detected above laboratory reporting limit.  
 TPH - total petroleum hydrocarbons \*\* Xylenes were detected in the field blank during the 9/11/2015 sampling event.  
 MTCA - Model Toxics Control Act J: Estimated value below the lowest calibration point. Confidence correlates with concentration.  
 -- - not sampled \* TPH results were reported in mg/L in the laboratory report and converted to µg/L for this table.

## **Appendix A**

### **Analytical Report and Chain-of-Custody Documentation**



October 20, 2016

Mr. Mike Noll  
Terracon  
21905 - 64th Ave W, Suite 100  
Mountlake Terrace, WA 98043

Dear Mr. Noll,

On October 19th, 2 samples were received by our laboratory and assigned our laboratory project number EV16100119. The project was identified as your 81157108. The sample identification and requested analyses are outlined on the attached chain of custody record.

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

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

Sincerely,

ALS Laboratory Group

Rick Bagan  
Laboratory Director



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	<b>DATE:</b>	10/20/2016
<b>CLIENT CONTACT:</b>	Mike Noll	<b>ALS JOB#:</b>	EV16100119
<b>CLIENT PROJECT:</b>	81157108	<b>ALS SAMPLE#:</b>	EV16100119-01
<b>CLIENT SAMPLE ID</b>	MW-5	<b>DATE RECEIVED:</b>	10/19/2016
		<b>COLLECTION DATE:</b>	10/18/2016 12:35:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	U	50	1	UG/L	10/19/2016	PAB
TPH-Diesel Range	NWTPH-DX	U	130	1	UG/L	10/19/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	10/19/2016	EBS
Benzene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	10/19/2016	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	<b>88.4</b>	10/19/2016	PAB
C25	NWTPH-DX	<b>107</b>	10/19/2016	EBS
Toluene-d8	EPA-8260	<b>93.2</b>	10/19/2016	DLC

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



**CERTIFICATE OF ANALYSIS**

<b>CLIENT:</b>	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	<b>DATE:</b>	10/20/2016
<b>CLIENT CONTACT:</b>	Mike Noll	<b>ALS JOB#:</b>	EV16100119
<b>CLIENT PROJECT:</b>	81157108	<b>ALS SAMPLE#:</b>	EV16100119-02
<b>CLIENT SAMPLE ID</b>	MW-7	<b>DATE RECEIVED:</b>	10/19/2016
		<b>COLLECTION DATE:</b>	10/18/2016 12:30:00 PM
		<b>WDOE ACCREDITATION:</b>	C601

**SAMPLE DATA RESULTS**

<b>ANALYTE</b>	<b>METHOD</b>	<b>RESULTS</b>	<b>REPORTING LIMITS</b>	<b>DILUTION FACTOR</b>	<b>UNITS</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TPH-Volatile Range	NWTPH-GX	99	50	1	UG/L	10/19/2016	PAB
TPH-Diesel Range	NWTPH-DX	210	130	1	UG/L	10/19/2016	EBS
TPH-Oil Range	NWTPH-DX	U	250	1	UG/L	10/19/2016	EBS
Benzene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC
Toluene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC
Ethylbenzene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC
m,p-Xylene	EPA-8260	U	4.0	1	UG/L	10/19/2016	DLC
o-Xylene	EPA-8260	U	2.0	1	UG/L	10/19/2016	DLC

<b>SURROGATE</b>	<b>METHOD</b>	<b>%REC</b>	<b>ANALYSIS DATE</b>	<b>ANALYSIS BY</b>
TFT	NWTPH-GX	91.6	10/19/2016	PAB
C25	NWTPH-DX	115	10/19/2016	EBS
Toluene-d8	EPA-8260	97.4	10/19/2016	DLC

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



**CERTIFICATE OF ANALYSIS**

CLIENT: Terracon  
 21905 - 64th Ave W, Suite 100  
 Mountlake Terrace, WA 98043

DATE: 10/20/2016  
 ALS SDG#: EV16100119  
 WDOE ACCREDITATION: C601

CLIENT CONTACT: Mike Noll  
 CLIENT PROJECT: 81157108

**LABORATORY BLANK RESULTS**

**MBG-101316W2 - Batch 108896 - Water by NWTPH-GX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Volatile Range	NWTPH-GX	U	UG/L	50	10/13/2016	PAB

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

**MB-101816W - Batch 108995 - Water by NWTPH-DX**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
TPH-Diesel Range	NWTPH-DX	U	UG/L	130	10/18/2016	EBS
TPH-Oil Range	NWTPH-DX	U	UG/L	250	10/18/2016	EBS

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

**MB-101416W - Batch 108913 - Water by EPA-8260**

ANALYTE	METHOD	RESULTS	UNITS	REPORTING LIMITS	ANALYSIS DATE	ANALYSIS BY
1,1-Dichloroethene	EPA-8260	U	UG/L	2.0	10/14/2016	DLC
Benzene	EPA-8260	U	UG/L	2.0	10/14/2016	DLC
Toluene	EPA-8260	U	UG/L	2.0	10/14/2016	DLC
Ethylbenzene	EPA-8260	U	UG/L	2.0	10/14/2016	DLC
m,p-Xylene	EPA-8260	U	UG/L	4.0	10/14/2016	DLC
o-Xylene	EPA-8260	U	UG/L	2.0	10/14/2016	DLC

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



**CERTIFICATE OF ANALYSIS**

CLIENT:	Terracon 21905 - 64th Ave W, Suite 100 Mountlake Terrace, WA 98043	DATE:	10/20/2016
CLIENT CONTACT:	Mike Noll	ALS SDG#:	EV16100119
CLIENT PROJECT:	81157108	WDOE ACCREDITATION:	C601

**LABORATORY CONTROL SAMPLE RESULTS**

**ALS Test Batch ID: 108896 - Water by NWTPH-GX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Volatile Range - BS	NWTPH-GX	86.7			66.5	122.7	10/14/2016	PAB
TPH-Volatile Range - BSD	NWTPH-GX	89.1	3		66.5	122.7	10/14/2016	PAB

**ALS Test Batch ID: 108995 - Water by NWTPH-DX**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
TPH-Diesel Range - BS	NWTPH-DX	81.6			67	125.2	10/18/2016	EBS
TPH-Diesel Range - BSD	NWTPH-DX	88.2	8		67	125.2	10/18/2016	EBS

**ALS Test Batch ID: 108913 - Water by EPA-8260**

SPIKED COMPOUND	METHOD	%REC	RPD	QUAL	LIMITS		ANALYSIS DATE	ANALYSIS BY
					MIN	MAX		
1,1-Dichloroethene - BS	EPA-8260	109			72.5	136	10/14/2016	DLC
1,1-Dichloroethene - BSD	EPA-8260	121	10		72.5	136	10/14/2016	DLC
Benzene - BS	EPA-8260	100			74.7	143	10/14/2016	DLC
Benzene - BSD	EPA-8260	110	10		74.7	143	10/14/2016	DLC
Toluene - BS	EPA-8260	99.6			71.7	139	10/14/2016	DLC
Toluene - BSD	EPA-8260	107	7		71.7	139	10/14/2016	DLC

APPROVED BY

Laboratory Director



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

# Chain Of Custody/ Laboratory Analysis Request

ALS Job# (Laboratory Use Only)

E116100119

Date 10-18-2016 Page 1 Of 1

PROJECT ID: <u>81157108</u>					ANALYSIS REQUESTED												OTHER (Specify)	
REPORT TO COMPANY: <u>Terracon Conso Hanby, Inc.</u>					NWTPH-HCID NWTPH-DX NWTPH-GX BTEX by EPA 8021 <input checked="" type="checkbox"/> BTEX by EPA 8260 <input checked="" type="checkbox"/> MTBE by EPA 8021 <input type="checkbox"/> MTBE by EPA 8260 <input type="checkbox"/> Halogenated Volatiles by EPA 8260 Volatile Organic Compounds by EPA 8260 <u>Gasoline Oxysulfides</u> EDB / EDC by EPA 8260 SIM (water) EDB / EDC by EPA 8260 (soil) Semivolatile Organic Compounds by EPA 8270 Polycyclic Aromatic Hydrocarbons (PAH) by EPA 8270 SIM PCB by EPA 8082 <input type="checkbox"/> Pesticides by EPA 8081 <input type="checkbox"/> Metals-MTCA-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> Pri 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"/> Herbs <input type="checkbox"/> <u>VPN + n-hexane</u> <u>EPH</u>	ADDRESS: <u>21905 64th Ave W, Suite 100</u>		PHONE: <u>(425) 409-2602</u> FAX: <u>(425) 771-3549</u>		P.O. #: <u>81157108</u> E-MAIL: <u>Mike.Nollo@terracon.com</u>		INVOICE TO COMPANY: <u>Terracon</u>		ATTENTION: <u>Karen Meyer</u>		ADDRESS: <u>Same as above</u>		NUMBER OF CONTAINERS RECEIVED IN GOOD CONDITION?
SAMPLE I.D.	DATE	TIME	TYPE	LAB#														
1. MW-5	10/18/2016	1235	W	1		X	X	X									12	
2. MW-7	10/18/2016	1230	W	2		X	X	X									10	
3.																		
4.																		
5.																		
6.																		
7.																		
8.																		
9.																		
10.																		

Hold for INSTRUCTIONS

SPECIAL INSTRUCTIONS NWTPH-GX, NWTPH-DX, BTEX (826) on 3-Day TAT. Hold all other samples

SIGNATURES (Name, Company, Date, Time):  
 1. Relinquished By: Michael S. Bell / Terracon / 10-19-2016 / 1100  
 Received By: Katie M. [Signature] / ALS / 10-19-16 / 1100  
 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 X 1 SAME DAY  
 OTHER: \_\_\_\_\_  
 Specify: \_\_\_\_\_

\*Turnaround request less than standard may incur Rush Charges