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SITE REMEDIATION REPORT

CONWAY FEED SITE

18700 MAIN STREET • P O BOX 576
CONWAY, WA 98238

Conway Feed
FSID: 5135
CSID 2574
LUST ID: 8079

UST # 10865 • LUST # 2746

VCP No. NW2185

Prepared For

SCOTT McKNIGHT, GENERAL MANAGER
CONWAY FEED
P O BOX 576 • CONWAY, WA 98238

PN 2K1004-1
AUGUST 25, 2011

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FOLLOW UP INVESTIGATION
OF THE
SOILS AND GROUND WATER
AT THE
CONWAY FEED SITE
18700 MAIN STREET • CONWAY, WA 98238
Facility/Site No.: 3194825
VCP Project No. NW2185

INTRODUCTION

Background

This combined ESA II and III report is being prepared at the request of Mr. Scott McKnight, General Manger of the Conway Feed site in Conway, Washington. **Northwest HydroGeo Consultants (NWHGC)** was contracted to conduct the investigation (ESA II) and cleanup (ESA III) at the Conway Feed Site in Conway, WA beginning 2008. What is currently known at the subject site is the following, based on the sources referenced:

Site Location and Description

The subject site is located in the southwest corner of Skagit County on the eastern edge of the Skagit River delta. The delta lies between the South Fork of the Skagit River on the eastern side of the delta, while the western edge of the delta is formed by the North Fork of the Skagit River. The South Fork of the Skagit River lies approximately 2000 feet west of the subject site (see Figure No. 1). The elevation of the subject site is only about ten feet above sealevel and the ground water under the site is quite shallow, at about four feet deep. The subject site is approximately three miles north of the Snohomish County border. The area around the community of Conway is decidedly rural in nature. The subject site is located in the Northeast Quarter of the Northeast Quarter of Section 19 in Township 33 North, Range 04 East, W.M. The surface of the site is generally level, with no apparent slope. The monitoring well which is located under a concrete slab directly west of the former USTs has a GPS reading of:

48° 20.434' North Latitude
122° 20.491' West Longitude

GEOLOGY AND HYDROGEOLOGY AND SOILS

Geologic: Western Skagit County lies within the Puget Sound Lowland, a topographic and structural depression between the Cascade range of mountains to the east and the Olympic Mountains on the west. Pleistocene-era glacial and non-glacial deposits cover most of the lowlands. The subject area is covered with floodplain sediments from the meandering South Fork of the Skagit River, located only 2,000 feet west of the subject site.

Hydrogeologic: The underlying aquifer in this area of Conway is the water table aquifer and is quite shallow, approximately four feet deep. We believe this aquifer is in direct hydraulic continuity with the North Fork of the Skagit River. Recharge to this upper aquifer is accomplished mainly by direct infiltration. Precipitation moves downward from the surface under the influence of gravity, where it intercepts the water table aquifer. From there the ground water moves within the formation under the influence of gravity toward the Skagit River in primarily a westerly direction, where it probably discharges.

Hydrologic: The subject site and the area for a mile surrounding the site lies within the 100-year flood zone of the Skagit River. There are also considerable wetland areas west of the subject site. The approximate elevation of the subject site is only about 10 feet above sea level.

Local Soils: The local soils are described in the Soil Survey of Skagit County Area, Washington, presented in the U.S. Department of Agriculture Soil Conservation Service publication dated 1989. The subject site soils are classified as **Sumas silt loam** and described as:

This very deep, poorly drained soil is on flood plains and deltas. Drainage has been altered by tilling. This soils is partially protected from flooding. It

formed in alluvium. Slope is 0 to 2 percent. Permeability of this soil is moderate in the upper part and rapid in the lower part. Available water capacity is moderately high.

Topographic: The subject site and surrounding area is essentially flat lying, having been modified over the last 10,000 years by the meandering Skagit River, which has moved back and forth over the local area many times. The Skagit River during periods of flooding does pose a potential risk to the site, especially during the spring runoff season.

Discussion of Aquifers Found in the Local Area

It is clear from examination of the well logs in the local area of the subject site that there are two types and two separate and distinct aquifers. There is the **upper aquifer**, which is the shallow water table aquifer. This aquifer is unconfined and at atmospheric pressure. This is the same aquifer seen under the subject site and in which the monitoring well has been completed. The ground water in this aquifer is slowly moving in a southwesterly direction. Recharge to this aquifer is local.

How known?

The second type of aquifer in the local area is a **deep confined aquifer**. The three wells of record in this area which were completed in this aquifer average 125 feet in depth. Static water level in these three wells averages about 69 feet, meaning the aquifer is under high formation pressure and is confined. Recharge to this aquifer is to the east and at higher elevations. Copies of all well logs are found in the Appendix of this report.

PREVIOUS WORK AT THE SITE

A report was prepared for Conway Feed by **Materials Testing and Consulting, Inc. (MTC),** on the previous decommissioning by removal of the two Underground Storage Tanks (USTs) at the subject site in late December of 1991 and early January of 1992. The two USTs consisted of a 2,000 gallon diesel and a 1,000 gallon gasoline UST. It was noted in the **MTC** report that corrosion and holes were observed in the bottom of both the diesel and gasoline USTs at the time of removal. Contamination was verified by the testing of soils from the pit excavation. Remediation of the site consisted of removing approximately 15 cubic yards of contaminated soils and backfilling with clean pit-run gravel.

The contaminated soils from the pit location were stockpiled and remediated onsite. On May 26, 1994 and June 29, 1994, three soil samples were collected from these stockpiled soils and tested. The results showed that there was no contamination reported in the stockpiled soils above the cleanup standards.

A 2-inch diameter monitoring well was installed directly west of the location of the former USTs in the backfill gravel to a depth of 15 feet, and the ground water tested on February 25, 1992 with the results that no contamination was in the ground water. A report on these activities was submitted by **MTC** on behalf of Conway Feed dated February, 1992.

In September, 2008 **NWHGC** was contacted by Mr. Scott McKnight, General Manager of Conway Feed, to obtain closure on the previous work done at the site and obtain a letter of **No Further Action** from the Washington Department of Ecology (WDOE). **NWHGC** studied the previous work done at the site including the report submitted by **MTC**. On September 26, 2008 **NWHGC** collected a ground water sample from the 15-foot deep monitoring well constructed at the site.

GROUND WATER TESTING RESULTS BY NWHGC IN SEPTEMBER 2008

Background

A shallow 2-inch diameter 15-foot-deep monitoring well was constructed in 1992 west (downgradient) of the two decommissioned fuel tanks at the subject site. The monitoring well was constructed under the roof overhang.

Table No. 1 Findings and Results of Laboratory Water Testing for NWTPH-HCID
September 2008

Field Sample	Laboratory Test Results of Water Samples NWTPH-HCID		
	Gx Range	Diesel	Heavy Oil
Ground Water Cleanup Standards	0.8 mg/L	0.50 mg/L	0.50 mg/L
Water Sample Results	**ND**	**ND**	**ND**

ND = Not Detected

Table No. 2 Findings and Results of Laboratory Water Testing for BTEX and Lead
September 2008

Field Sample	Laboratory Test Results of Water Samples BTEX and Lead				
	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Lead mg/L
Ground Water Cleanup Standards	0.005 mg/L	1.00 mg/L	0.50 mg/L	1.00 mg/L	0.015 mg/L
Water Sample Results	**0.0003 mg/L**	**ND**	**ND**	**ND**	**0.003 mg/L**

DISCUSSION OF RESULTS

NWTPH-HCID

This method tests the ground water for the three major contaminants in ground water, mainly gasoline, diesel and heavy hydrocarbons. Analysis was reported as **Not Detected** for all three compounds.

NWHGC prepared a report in October, 2008 detailing our investigation at the site which included review of collected existing materials outlined in previous paragraphs and collecting a fresh ground water sample for testing from the existing two-inch monitoring well installed at the site in 1992 following the removal of the two USTs.

RESPONSE FROM THE WDOE

A letter was received from the **WDOE** on March 08, 2010, prepared by Ms. Libby S. Goldstein, NWRO Toxics Cleanup Program. Ms. Goldstein reviewed the reports submitted by **NWHGC** and the previous report submitted by **MTC Inc.** In her letter she concluded:

1) The site was not adequately characterized by **MTC** and further work was required. Specifically the extent of soil contamination from gasoline and diesel underneath the canopy, west of the of the removed USTs, was unknown.

2) Ground water at the site had not been adequately characterized. The construction of the well was not known, which compromises the integrity of the ground water data collected from the well.

3) Ms Goldstein stated that the location of the 2-inch monitoring well did not appear to be down gradient of the area where the USTs were removed. **Note:** This conclusion of Ms. Goldstein is **incorrect**. The existing 2-inch monitoring well is 15 feet in depth as sounded by **NWHGC** and was installed on 1992. The ground water under the site is moving in a westerly direction, meaning the monitoring well is located downgradient of the two decommissioned USTs which were removed in late December of 1991 and early January of 1992.

4) Ecology has determined that cleanup levels and points of compliance established for the site do not meet the substantive requirement of MTCA. The site does not meet the MTCA definition of an industrial property; therefore, soil cleanup levels suitable for unrestricted land use are appropriate. For unrestricted land use, direct contact, either Method A or B cleanup levels can be used. If ground water at the site has been impacted by releases, either MTCA Method A or B cleanup levels can be used.

CURRENT ACTIVITIES AT THE CONWAY FEED SITE (2010-2011)

Site Activities: Removal of Contaminated Soils Under the Canopy at the Conway Feed Site

Based on our discussions with Ms. Goldstein, NWRO Toxics Cleanup Program, additional site remediation activities were planned for the site. The primary objective was to explore the area directly west of the former UST location which lies under a metal canopy and below a thick concrete slab. **ULTRA TANK SERVICES, Inc.** of Bellingham, WA was contracted to do the exploration of the soils and ground water and if contamination was present, remove and remediate the soils.

This additional work at the Conway Feed site began on November 16, 2010. The area in question lies directly west of the 2-inch PVC monitoring well constructed in February, 1992 and used to collect ground water from the former UST excavation. **ULTRA TANK Inc.** began their activities using a jackhammer to break up the concrete slab that covered the entire area of interest under the canopy. **ULTRA TANK Inc.** also mobilized to the site a **Kubota®** track-mounted backhoe which was used to break up and remove the broken concrete. The concrete slab, which covers an area of approximately 80 feet by 20 feet, was broken up and loaded onto a tilt-bed truck and transported north approximately 500 feet to an area which would serve as a location for the remediation of any contaminated soils present at the site.

On November 22, 2010, with the concrete slab removed, the **ULTRA TANK SERVICES,** the backhoe began excavating soils from the area below the canopy. Contamination in the soils was encountered in depths below the surface that approximately matched the height of the water table in the area. The water table has remained fairly constant over time at the site. It was first measured in the 2-inch PVC casing (monitoring well installed in February, 1992). The height of the ground water was measured at a depth of 2.95 feet from top-of-casing (TOC) on November 18, 2010, when one would expect the water table to be high. The ground water was measured at a depth of 2.83 feet from TOC on June 13, 2011 when the water table is lower. Still there was only a difference of 0.12 feet, indicating there isn't that much fluctuation in the water table throughout the year at this site.

Excavation of the Site

Once the concrete slab had been removed a series of exploratory pits were dug in the area of the building and the former USTs. **ULTRA TANK Inc.** began digging a series of test pits in the area for the purpose of: **1)** determining the depth of the contaminated soils and **2)** the areal extent of the contamination plume under the site. The stockpile area for the contaminated soils was also located in the same area as held the broken concrete slabs, approximately 500 feet north of the excavation area. Initial excavation activities produced a strong odor of hydrocarbon in the upper soils. The upper surface immediately below the removed concrete slab consisted of approximately 8 to 12 inches of a light gray imported mixture of silty gravel with sand (**GM**), using the Unified Soils Classification System, a copy of which is in the Appendix of this report. Below the GM soils there is a change, with the soils becoming a dark gray to very dark gray mixture of inorganic silts and very fine sands with clayey silts classified as **CL**. The soils were mostly dry but below about four feet the soils became more moist and not so stiff. In localized zones we encountered a highly odoriferous oily sludgy material which gradually disappears below approximately five feet in depth.

Using a portable Photoionization Meter (PID) we detected only low amounts of petroleum hydrocarbons, with the higher concentrations isolated in pockets and these generally near the eastern area from under the removed concrete slab. A PID meter mainly registers volatile organic compounds such as in gasoline. Since any gasoline present at this location has aged and has lost much of its volatile organic compounds, and diesel has only a trace of volatile organic compounds, it was not surprising that the PID meter registered only low concentrations. We relied mainly on visual and olfactory indications (smell) to indicate hydrocarbon contamination, and on the test results from soil samples collected and analyzed by EDGE Analytical Laboratory in Burlington, WA.

A number of soil samples were collected from the test pits at various depths under what had been the concrete cover which was broken up and removed. All soil samples were submitted to **EDGE Analytical Laboratories** for analysis for gasoline and lead. The following description outlines the collection of soil and or ground water samples by date and a discussion of samples collected.

Test pits were dug over the entire area under the former concrete slab and with maximum depths of around eight feet. Ground water was not a problem in these **CL** soils as they were native soils and highly impermeable to the movement of ground water.

SOIL SAMPLING FROM TEST PITS

To establish the amount of contamination in the area under the metal canopy in the area directly west of the former two USTs and the existing monitoring well, a series of test pits was excavated over the area over a several day period and soil samples collected for testing on November 18, 22 and 28 of 2010. The soil samples were tested for Gasoline and BTEX (NWTPH-Gx/8260B), Diesel (NWTPH-Dx) and Lead (200.8/3051).

Samples Collected on November 18, 2010

SAMPLE A: Collected a floor sample at a depth of 54". The soil had a strong odor of hydrocarbons and was very dark gray fine sand with clayey silt (**CL**). The soil above it was a light gray color (**CL**), so this is a definite color change. The sample was collected in the southwest area of the pit (see diagram for approximate location).

SAMPLE B: Collected a floor sample at a depth of 72"; this sample, like the first, was very dark gray fine sand with clayey silt (**CL**). This sample was taken further west approximately 2.5 feet from the wall formed by the building. There was an odor of petroleum hydrocarbons but less strong than from Sample A.

Sample Collected on November 22, 2010

SAMPLE C: Collected a floor sample at a depth of 78". This sample had **no** odor and was dark gray and very clayey with silt and minor fine sand present (**CL**). After collecting this sample we dug deeper to verify that we were indeed out of the contaminated soils This sample was collected in the southwest corner of the uncovered area. Laboratory results showed this sample was indeed free of hydrocarbons.

Samples Collected on November 28, 2010

SAMPLE D: Collected a floor sample at a depth of 84.6". This sample had **no** odor and consisted of a dark gray, silty clay material with minor fine sand present (**CL**). This sample was collected next to the wall of the building.

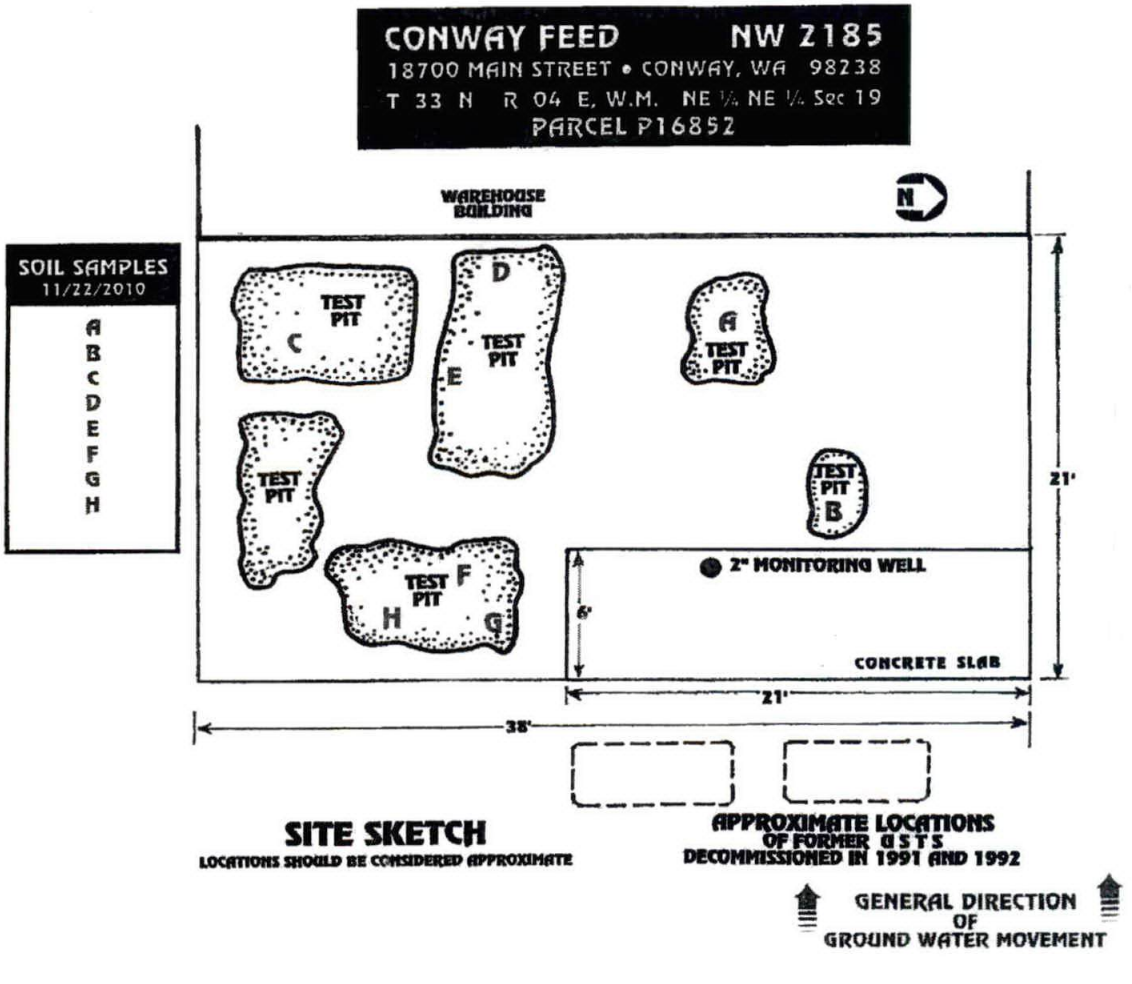
SAMPLE E: Collected on the wall of the pit dug for Sample D, at a depth of 84". This sample appeared about the same as Sample D taken from the floor and had

no odor and consisted of a dark gray, silty clay material with minor fine sand present (**CL**). This sample was also collected next to the wall of the building from the same pit dug for Sample D.

SAMPLE F: Collected on the floor of a second pit located approximately three feet east of the previous pit where Samples D and E were collected. The sample was collected at a depth of 84". Sample F had **no** odor and consisted of a dark gray, silty clay material with minor fine sand as in the previous sample (**CL**).

SAMPLE G: Collected on the wall of a pit located in the northeast corner of the pit at approximately 84". This sample had **no** odor and consisted of a dark gray, silty clay material with minor fine sand as in the previous samples (**CL**).

SAMPLE H: Collected on the floor of the same pit where Sample G was taken at a depth of approximately 87.5". This sample had **no** odor and consisted of a dark gray, silty clay material with minor fine sand as in the previous samples (**CL**).



All five of the above soil samples were delivered to EDGE Analytical Laboratory in Burlington, WA for analysis for Gasoline and BTEX (NWTPH-Gx/8260B), Diesel (NWTPH-Dx) and Lead (200.8/3051). All five sample results will be discussed in the following paragraphs.

Site work was halted due to winter conditions and the onset of the rainy season. Since the pits were excavated under the protective canopy the excavated pits were left open. The stockpiled soils that were moved to the remediation area located 150 feet north of the excavation area were covered during winter to prevent leaching and runoff.

Table No. 3 TEST RESULTS OF SOILS ANALYSIS
November 2010

SAMPLE No.	Benzene Method 8260B	Toluene Method 8260B	Ethylbenzene Method 8260B	Xylenes Method 8260B	Lead: Method 6010B/3051	Gasoline (C_8-C_{12}) TPH	Diesel Fuel Range: Method NWTPH-Dx/3550B	Heavier Oils : Method NWTPH-Dx/3550B
ACTION LEVEL	0.03 mg/Kg	7.0 mg/Kg	6.0 mg/Kg	9.0 mg/Kg	250 mg/Kg	100 mg/Kg	2,000 mg/Kg	2,000 mg/Kg
A	1	0.3	21.9	44.5	6.32	2,650	ND	ND
B	ND	ND	ND	1.1	19.0	90.5	ND	ND
C	ND	ND	ND	ND	5.94	ND	ND	ND
D	ND	ND	ND	ND	3.77	ND	ND	ND
E	ND	ND	ND	ND	3.14	ND	ND	ND
F	ND	ND	ND	ND	4.96	ND	ND	ND
G	ND	ND	ND	ND	5.32	ND	ND	ND
H	ND	ND	ND	ND	5.83	ND	ND	ND

ND = Not Detected

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Approximate sample locations are shown in the figure on page 10 of this report.

Ground Water Sampling and Testing

A ground water sample was collected from the test pit excavation on December 30, 2010. The individual test pits at this time were full of water and overtopped the individual cells so the one sample represented all of the pits. The ground water was partially clear but had a foul odor due to a large dead rat in the pit. A water sample was collected using a Teflon® bailer and the contents discharged into two 50 mL vials suppled by **Edge Analytical Laboratory** of Burlington, WA, where they were delivered on the same day for analysis of BTEX and Lead.

Table No. 4 Findings and Results of Laboratory Water Testing for BTEX and Lead. Water Sample Collected on 12-30-2010

Field Sample	Laboratory Test Results of Water Samples BTEX and Lead					
	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Gasoline (C_8-C_{12})	Lead mg/L
Ground Water Cleanup Standards	0.005 mg/L	1.00 mg/L	0.50 mg/L	1.00 mg/L	1 mg/L	0.015 mg/L
Water Sample Results	**ND**	**ND**	**ND**	**ND**	**ND**	**0.003 mg/L**

Results of Testing

Results of the ground water testing from the excavation were received from **EDGE Analytical Laboratory** on January 07, 2011 with the results that in the ground water sample collected, **BTEX** and **Gasoline** were reported **Not Detected** and only low levels of dissolved lead were present. This is consistent with the results of soils testing where contamination was not present.

COMMENCEMENT OF FIELD ACTIVITIES IN 2011

The remediation of the subject site began again with the return of warmer, drier weather. During the winter and spring months the pits filled with ground water and were not disturbed. A visit to the site on December 30, 2010 showed there was no sheen on the water surface, confirming earlier observations at the site. A water sample was collected from the pit using a new Teflon® bailer. The results are shown in Table 4 above.

FINAL SOILS REMOVAL FROM THE PIT

Background

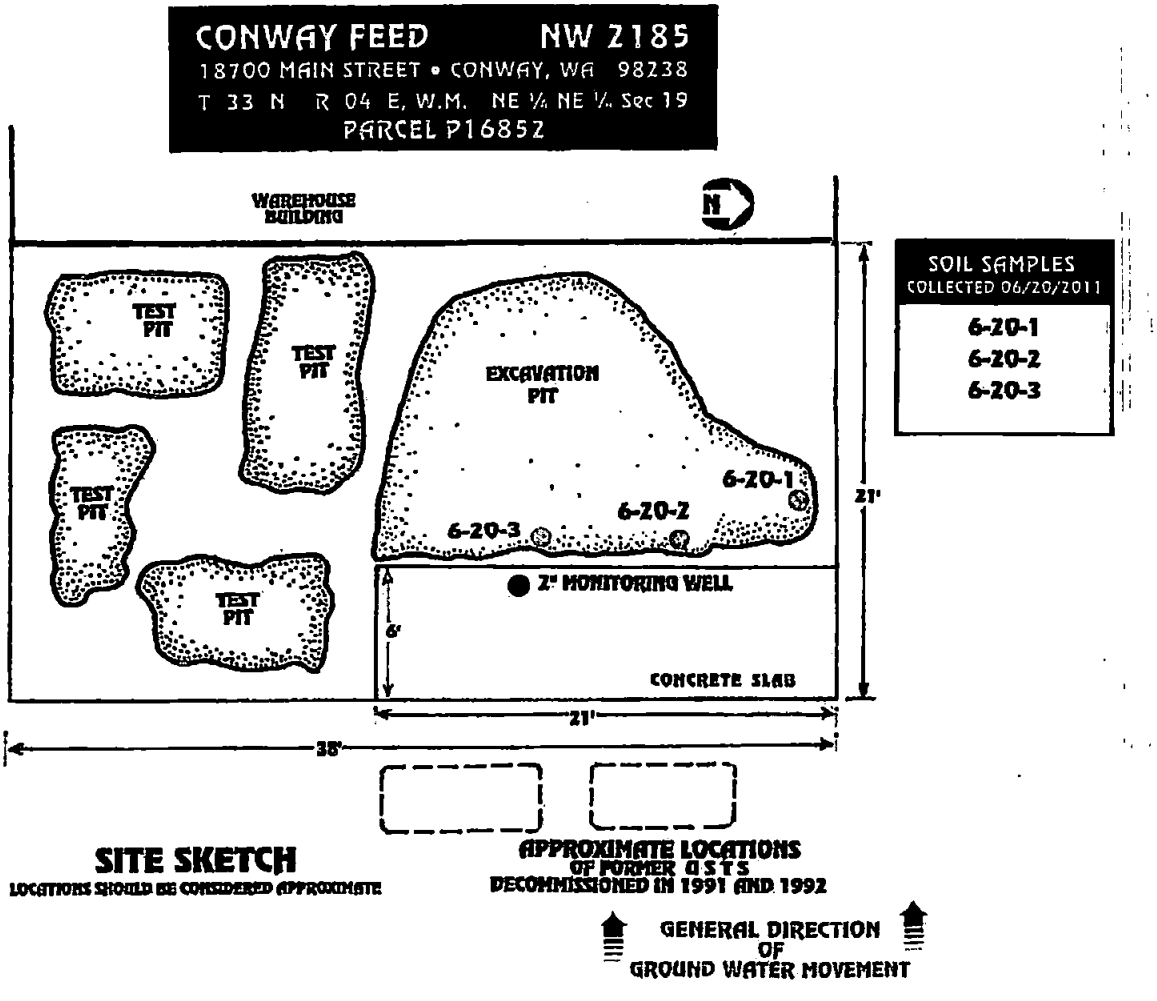
Final removal of contaminated soils from the pit began on June 13, 2011. **ULTRA TANK Inc**. again mobilized to the site a **Kubota®** track-mounted backhoe for excavating the contaminated soils from the pit and loading the materials onto a truck with a tilt-bed. These soils were transported approximately 150 feet north to the remediation area. On Monday, June 20, 2011 **NWHGC** went to the site to collect the final three soil samples from the excavation pit. Using the backhoe the contaminated soils were excavated up to the edge of the concrete slab which was poured after the former USTs were decommissioned by removal. The soils from the edge of the concrete to near the wall of the building were removed. No contamination was detected in the test pits dug next to the wall during the 2010 work at the site. The eastern edge of the excavation intercepted the backfill gravel used after the USTs were removed.

Soil Sampling by NWHGC

Three sets of soil samples were collected from the excavated pit. **Sample No. 6-20-1** was collected from the north facing wall at a depth of 6 feet. **Sample No. 6-20-2** was collected from the east facing wall of the pit directly opposite of where the former USTs were located. This wall contained pit run gravel used to backfill the pit excavation after the USTs were removed. **Sample No. 6-20-3** was collected just north of the 2-inch monitoring well which was installed after the two USTs had been removed in 1992. A more complete description of the samples is as follows:

SAMPLE 6-20-1 **1:50 PM** **North wall of excavation pit,** approximately 8.0 feet as measured from the warehouse wall.

	SOILS:	Very clayey silt, small amount of fine sand but mostly silty clay **(CL)**. Depth of sample collection: **6 feet.**
SAMPLE 6-20-2	**2:00 PM**	**East facing wall of excavation pit**, approximately 9.0 feet from north wall and edge of concrete slab covering former USTs location: Depth of sample collection: **6.7 feet.**
	SOILS	Pit run gravel. Gravel is coarse to fine, rounded, some sand but mostly gravel and very little silt **(GW)**.
SAMPLE 6-20-3	**2:10 PM**	**East facing wall of excavation pit, just north of the monitoring well** at a depth of **6.8 feet.**
	SOILS	Pit run gravel, coarse to fine, with sand. Very little if any silt in the matrix **(GW)**.



The samples were collected following EPA Method **5035A** and Washington Department of Ecology (WDOE) protocol for collection of soil samples for VOC analysis: In particular, for testing of BTEX and TPH Gasoline. In addition a separate soil sample was collected for testing for Lead using Method **6010B/3051**. After the samples were collected they were properly labeled, placed in an iced shipping container, and delivered in person to the **EDGE Analytical Laboratory** in Burlington, WA for analysis. The results of that analysis is presented in Table No. 5 as follows:

Table No. 5 TEST RESULTS OF SOILS ANALYSIS

No lab report

SAMPLE No.	Benzene Method 8260B	Toluene Method 8260B	Ethylbenzene Method 8260B	Xylenes Method 8260B	Gasoline (C_8-C_{12}) TPH	Lead: Method 6010B/3051
ACTION LEVEL	0.03 mg/Kg	7.0 mg/Kg	6.0 mg/Kg	9.0 mg/Kg	100 mg/Kg	250 mg/Kg
6-20-1	ND	ND	ND	ND	ND	6.23
6-20-2	ND	0.2	ND	ND	ND	2.14
6-20-3	ND	ND	ND	ND	ND	1.70

ND = Not Detected

RESULTS OF GROUND WATER TESTING FROM THE PIT AREA

Ground Water Testing on 12-30-2010

An initial ground water sample was collected from the pits during the winter months after work at the site had been suspended for the year. Using a new Teflon® bailer a water sample was collected from the pit area. The water samples were decanted into two 50-mL vials supplied by **EDGE Analytical Laboratory**. The hydrogeologist collecting the sample

made sure there were no air bubbles trapped inside the two sample containers. Next the two vials were with labeled with the date, time of sample collection and delivered in person to **EDGE Analytical Laboratory** under proper chain-of-custody for analysis. We requested the two water samples be tested for **BTEX and Lead**. The results were received from **EDGE Analytical Laboratory** on January 07, 2011 with the results that the ground water samples collected for **BTEX** and **Gasoline** were **Not Detected** and only low levels of dissolved **Lead** were present. This is consistent with the results of soils testing where contamination was not present.

Final Ground Water Sampling and Testing on July 22, 2011

A final ground water sample was collected from the pit prior to backfilling with pit run gravel on Friday July 22, 2011. As in the December 30, 2010 sampling, a water sample was collected from the pit using a new Teflon® bailer and the contents placed in two 50 mL glass vials and taken to **EDGE Analytical Laboratories** of Burlington, WA for testing for BTEX and Lead content. The results of both tests are presented in Table No. 6 which follows:

Table No. 6 Results of Laboratory Water Testing From Pit Area for BTEX and Lead: Water Sample Collected on 01-07-2011 and 07-22-2011

Field Sample	Laboratory Test Results of Water Samples BTEX and Lead					
	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Gasoline (C_8-C_{12})	Lead mg/L
Ground Water Cleanup Standards	0.005 mg/L	1.00 mg/L	0.50 mg/L	1.00 mg/L	1 mg/L	0.015 mg/L
Water Sample Results 01-07-2011	**ND**	**ND**	**ND**	**ND**	**ND**	**0.003 mg/L**

Field Sample	Laboratory Test Results of Water Samples BTEX and Lead					
	Benzene mg/L	Toluene mg/L	Ethylbenzene mg/L	Total Xylenes mg/L	Gasoline (C_8-C_{12})	Lead mg/L
Ground Water Cleanup Standards	0.005 mg/L	1.00 mg/L	0.50 mg/L	1.00 mg/L	1 mg/L	0.015 mg/L
Water Sample Results 07-22-2011	**ND**	**2.00**	**0.0004**	**0.0009**		**0.032 mg/L**

ND = Not Detected

Discussion of Ground Water Testing

Results of the first ground water testing from the excavation were reported by **EDGE Analytical Laboratory** on January 07, 2011. The results of that test showed that **BTEX** and **Gasoline** were **Not Detected** and only low levels of dissolved **Lead** were present, which is consistent with the results of soils testing where contamination was not present.

Results of the final ground water sample collected from the pit area on July 22, 2011 showed that the pit water was reported **Not Detected** for Benzene, a known carcinogen. The water did test higher for Toluene at 2 mg/L and very low values for Ethlybenzene and Total Xylenes. Lead concentration was also slightly higher than before, at 0.032 mg/L. In our judgement, these values are not significant, especially since Benzene which is carcinogenic compound and was **Not Detected.**

REMEDIATION OF CONTAMINATED SOILS

Background

A remediation area was prepared to receive the contaminated soils for the Conway Feed site. The remediation area is located approximately 150 feet north of the excavation site and north of Main Street, which is oriented in an east-west direction (see Photographs in the back of this report). The initial cell-A, where the contaminated soils were placed was constructed with a perimeter of hay bales lined with black Visquine plastic sheeting to eliminate the possibility of contaminants from the soils leaching into the native soils below. The initial area for Cell-A measured approximately 12 feet wide and 26 feet long. The contaminated soils excavated from the test pits under the canopy began in November of 2010 and continued to the end of the month until the area under the canopy had been fully characterized. Eventually the cell length had to be extended to a total of 55 feet to accommodate all of the excavated soils from the test pits.

The thickness of the soils in the 12 by 55 foot Cell-A measured approximately 2.0 feet. Having an approximate area of 660 square feet, the total amount of contaminated soils removed from the pit area and transferred to Cell-A amounted to approximately 1,650 cubic feet or 61 cubic yards of contaminated soil. Before being abandoned for the winter during the period of high precipitation the entire remediation area was covered with black Visquine and weighted down with large rocks to keep out moisture and prevent the formation of leachate.

Resumption of Work Activities Beginning on June 13, 2011

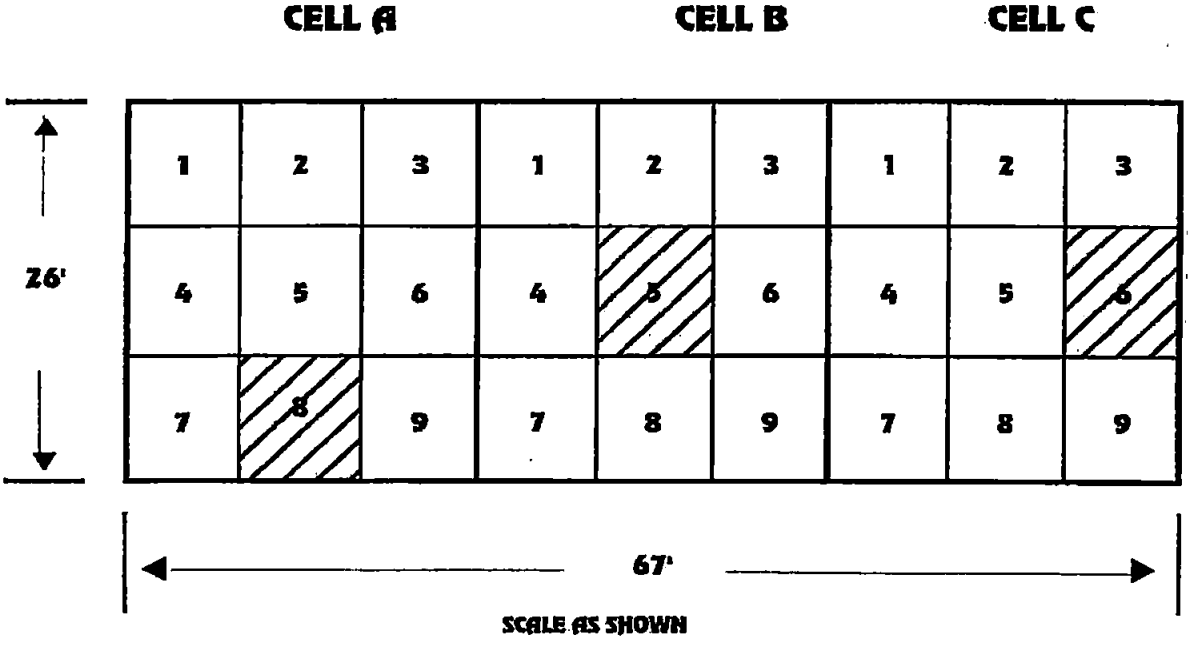
Ultra Tank, Inc. resumed work at the Conway Feed site on June 13, 2011. At this time of year there is less precipitation and the air temperature is much warmer. Excavation of the remaining contaminated soils in the pit began and these soils were moved to the remediation area where it was necessary to construct a second Cell-B lying parallel to the Cell-A. The combined areas measured approximately 24 feet wide and 67 feet long. The perimeter of Cell-B was also marked by hay bales laid end to end and the interior area was lined with black Visquine plastic sheeting to eliminate the possibility of contaminants from leaching into the native soils below. The combined surface areas of the two cells totaled 1,608 square feet and with an average thickness of 2 feet the two cells were capable of holding approximately 3,216 cubic feet or 119 cubic yards of contaminated soil.

Remediation of the Soils and Final Testing

Ultra Tank, Inc. leveled out the piles of contaminated soils using a small tractor and tiller attachment. The soils were constantly tilled on warm sunny days, allowing the natural forces of heat and bacterial action to remediate the soils. This process began on June 15, 2011 and continued into August. A PID meter was used to monitor the progress of the remediation process and indicate the presence of any hot spots caused by petroleum hydrocarbons in the soils. When petroleum hydrocarbons could no longer be detected the **NWHGC** geologist returned to the stockpiled soils site on August 01, 2011 for the purpose of sampling the remediated soils and testing for the presence of petroleum hydrocarbons.

The remediation area which measured 26 feet wide and 67 feet long was divided into three areas of equal size. The three areas or cells were further divided into nine separate segments, with each measuring approximately eight feet by seven feet or a total of 56 square feet each out of a total of 3,216 square feet. Using a computerized random number generator, a sampling location was selected for each cell based on the nine areas in each cell. The sample locations determined by this method were from **Cell No. A Location 8,** in **Cell No. B Location 5** and in **Cell No. C Location 6.**

SKETCH OF REMEDIATION AREA



SCALE AS SHOWN

SHADED AREAS INDICATE LOCATIONS OF SAMPLES, SELECTED AT RANDOM

Soil Sample Collection and Testing From the Remediation Area

The three separate sets of soil samples were collected on August 01, 2011 using EPA Method **5035A** and Washington Department of Ecology (WDOE) protocol for collection of soil samples for **VOC Analysis**. The day the samples were collected was warm and clear. The soils had been aerated using the tractor-tiller for nearly a month before the arrival of the geologist to collect three representative soil samples. The geologist observed that already the surface moisture had evaporated, leaving an overall tan color to the soils. Directly below the surface the soils were still damp and brown in color. After the sample locations were flagged based on the random sampling plan discussed before, soil samples were collected by the geologist. Wearing Nitrile® disposable gloves, soil samples were collected from the three sample locations. All three soil samples are best described as consisting of gravel, coarse to fine, rounded, some sand and some silt and classified as **(GM)** using the Unified Soil Classification System. The three sets of soil sample jars and vials were labeled in the field and placed in an iced shipping container. The soil samples were to be tested for the full range of volatile organic compounds and a variety of solid waste using **Method 8260.** This method is applicable to nearly all types of samples, regardless of water content, including various air sampling trapping media, ground and surface water, aqueous sludges, caustic liquors, acid liquors, waste solvents, oily wastes, mousses, tars, fibrous wastes, polymeric emulsions, filter cakes, spent carbons, spent catalysts, soils, and sediments. The three soil samples were delivered in person to the **EDGE Analytical Laboratory** in Burlington, WA for analysis on the same day. The results of the soils analysis from the remediation area are presented in Table No. 7 as follows:

Table No. 7 TEST RESULTS OF SOILS ANALYSIS COLLECTED FROM THE SOILS REMEDIATION AREA ON AUGUST 01, 2011

SAMPLE No.	Benzene Method 8260B	Toluene Method 8260B	Ethylbenzene Method 8260B	Xylenes Method 8260B	Gasoline (C_8-C_{12}) TPH	Lead: Method 6010B/3051
ACTION LEVEL	0.03 mg/Kg	7.0 mg/Kg	6.0 mg/Kg	9.0 mg/Kg	100 mg/Kg	250 mg/Kg
8-01-A	**ND**	**ND**	**ND**	**ND**	**ND**	**13.7**
8-01-B	**ND**	**ND**	**ND**	**ND**	**ND**	**13.6**
8-01-C	**ND**	**ND**	**ND**	**ND**	**ND**	**18.8**

ND = Not Detected

Discussion of Results

The soils were tested for a total of 78 organic compounds including **BTEX** and the additional test for **lead.** The suite of organic compounds tested covers the full range of potential organic compound contaminants that we can envision as appropriate to this area. The results clearly show that the remediated soils are now clean to EPA and the State of Washington standards and no longer pose a threat to the environment.

SUMMARY AND CONCLUSIONS

1) Two underground storage tanks (USTs) consisting of a 2,000 gallon diesel and a 1,000 gallon gasoline UST were decommissioned by removal from the Conway Feed site in December 1991 and early January 1992. It was noted in the report produced by **Materials Testing and Consulting, Inc. (MTC)** that corrosion and holes were observed in the bottom of both the diesel and gasoline USTs at the time of removal. Contamination was verified by the testing of soils from the pit excavation. Remediation of the site consisted of removing approximately 15 cubic yards of soils and back filling with clean pit-run gravel according to the MTC report.

2) A 2-inch diameter monitoring well was installed directly west (downgradient) of the former USTs in the backfill gravel and the ground water was tested on February 25, 1992 with the reported results that no contamination was found in the ground water.

3) In September, 2008 **NWHGC** was contacted by Mr. Scott McKnight, General Manager of Conway Feed, to obtain closure on the previous work done at the site and obtain a letter of **No Further Action** from the Washington Department of Ecology (WDOE). **NWHGC** studied the previous work done at the site including the report submitted by **MTC**. **NWHGC** collected a new ground water sample from the 15-foot deep monitoring well constructed at the site in 1992 which showed the ground water was uncontaminated.

4) A response to the report submitted by **NWHGC** was received on March 08, 2010 prepared by Ms. Libby S. Goldstein, NWRO Toxics Cleanup Program. Ms. Goldstein concluded the earlier work conducted by **MTC** was inadequate and did not fully characterize the site. Specifically Ms. Goldstein was concerned about the extent of soil contamination west of the former UST locations underneath the canopy and requested that further characterization work be conducted and a followup report submitted.

5) Work began at the Conway Feed site on November 22, 2010. **ULTRA TANK Inc.**, began by breaking up and removing the concrete slab over the area west of the

former USTs. Once the slab was removed a series of test pits were dug using a small backhoe around the area under the canopy for the purpose of characterizing the site and determining where there was contamination and where there was none. **NWHGC** collected a series of soil samples to confirm the findings of a portable PID meter used at the site to test the soils. Verification soils samples were collected and delivered to **EDGE Analytical Laboratory** for analysis.

6) Analysis of the soils showed that contamination of the soils was restricted to a zone directly west of the former two USTs. All of the contamination was confined to the range of gasoline. No diesel was detected, and lead was detected in only low concentrations. It was also determined that the product from the two USTs did not migrate under the existing warehouse building but was confined to the area in front.

7) Following site characterization activities the work was suspended during the winter and spring months of 2010 and 2011, with work commencing on June 13, 2011.

8) Using a combination of backhoe and dump truck the remaining contaminated soils were removed from under the canopy and trucked 150 feet north to a level area used for storage and remediation of the contaminated soils. The combined surface areas of the two cells totaled 1,608 square feet and with an average thickness of 2 feet the two cells were capable of holding approximately 3,216 cubic feet or 119 cubic yards of contaminated soil.

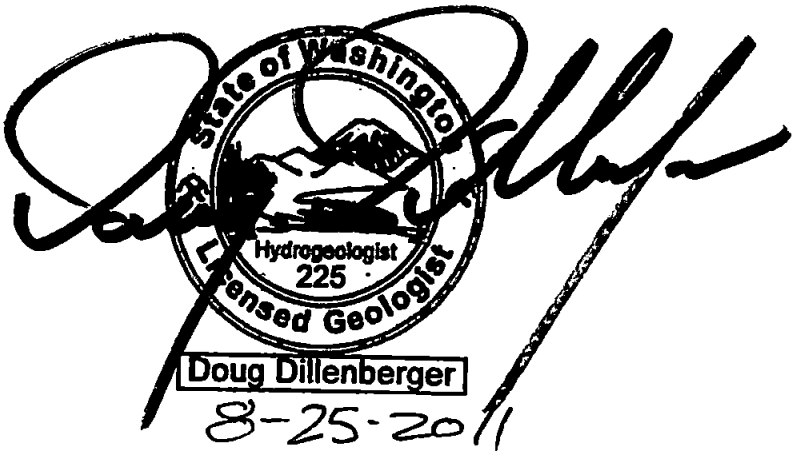
9) Three additional soil verification samples were collected from the pit along the east facing wall. In addition another ground water sample was collected from the pit area and tested for **BTEX** and **Lead**. The laboratory tests showed the soils and ground water were clean to **EPA** and **WDOE** standards and the pit is now clean. Following the testing the excavated pit was backfilled with layered pit-run gravel, compacted at each layer.

10) Three soil samples were collected from the remediation area based on a random sampling methodology. These soils were tested for the full range of volatile organic compounds which can occur in a variety of solid waste materials using **Method 8260.** The soils were tested for a total of 78 organic compounds including **BTEX** with an additional test for **lead**. The suite of organic compounds tested covers the full range of potential organic compound contaminants that we consider appropriate

for the area. The results clearly show that the remediated soils are now clean to EPA and the State of Washington standards and no longer pose a threat to the environment. All work at the site was fully documented with photographs, measurements and drawings.

11) In conclusion we have determined that the subject site at the Conway Feed Company is now clean to state and federal standards. After reviewing this document, we request that the Washington Department of Ecology issue to Conway Feed Company a letter of **No Further Action** for the site where the former USTs were located.

Sincerely,



Doug Dillenberger, L.G., L.HG. ▼ Principal
Washington Licensed Geologist / Hydrogeologist
Northwest HydroGeo Consultants

INDEMNIFICATION AND LIMITATIONS

This report presents conditions observed during our site visit and subsequent investigation, data analysis, and reporting. Our services were provided with due diligence and observance of protocols and procedures applicable to this situation, and in accordance with the terms presented in our General Conditions. This project was conducted and this report prepared in accordance with generally accepted professional practices for the nature and conditions of the work completed in this area at the time the work was performed. This report and its conclusions and recommendations are intended for the exclusive use of the Client for specific application to the referenced project site. The photographic images appear as they were taken, with no digital changes or modifications.

As is now common in the profession, our general liability insurance carriers specifically exclude coverage for claims or damages related to the release of pollutants. Therefore, as a condition of our services, it is understood that, to the fullest extent permitted by law, our Clients agree to defend, indemnify and hold harmless **Northwest HydroGeo Consultants**, its owners, employees, subcontractors and agents, from any past, present, or future pollution-related claims or damages at the site, including potential claims from third parties that may name **Northwest HydroGeo Consultants** as a claimant. **Northwest HydroGeo Consultants** assumes no responsibility or liability for the accuracy, storage, transmission, or delivery of database and file search information provided for this project.

Within the limitations of scope, project schedule, and budget for our services, we warrant that our services have been provided in accordance with the terms of our Proposal and under the generally accepted professional environmental assessment practices at the time the report was prepared. No other warranty, express or implied, is made.

REFERENCES

Dillenberger, D.S., 2008, "Hydrogeologic Investigation," Unpublished report prepared for Mr. Scott McKnight, General Manager, Conway Feed, 11 pp.

Dragovich, J., 2002, "Geologic Map of Washington, Northwest Quadrant," Published by the Washington Division of Geology and Earth Resources, Geologic Map GM-50.

Materials Testing and Consulting, 1992, "Site Assessment Report from MTC," Unpublished report prepared by MTC for Conway Feed, 3 pp.

NORTHWEST HYDROGEO CONSULTANTS

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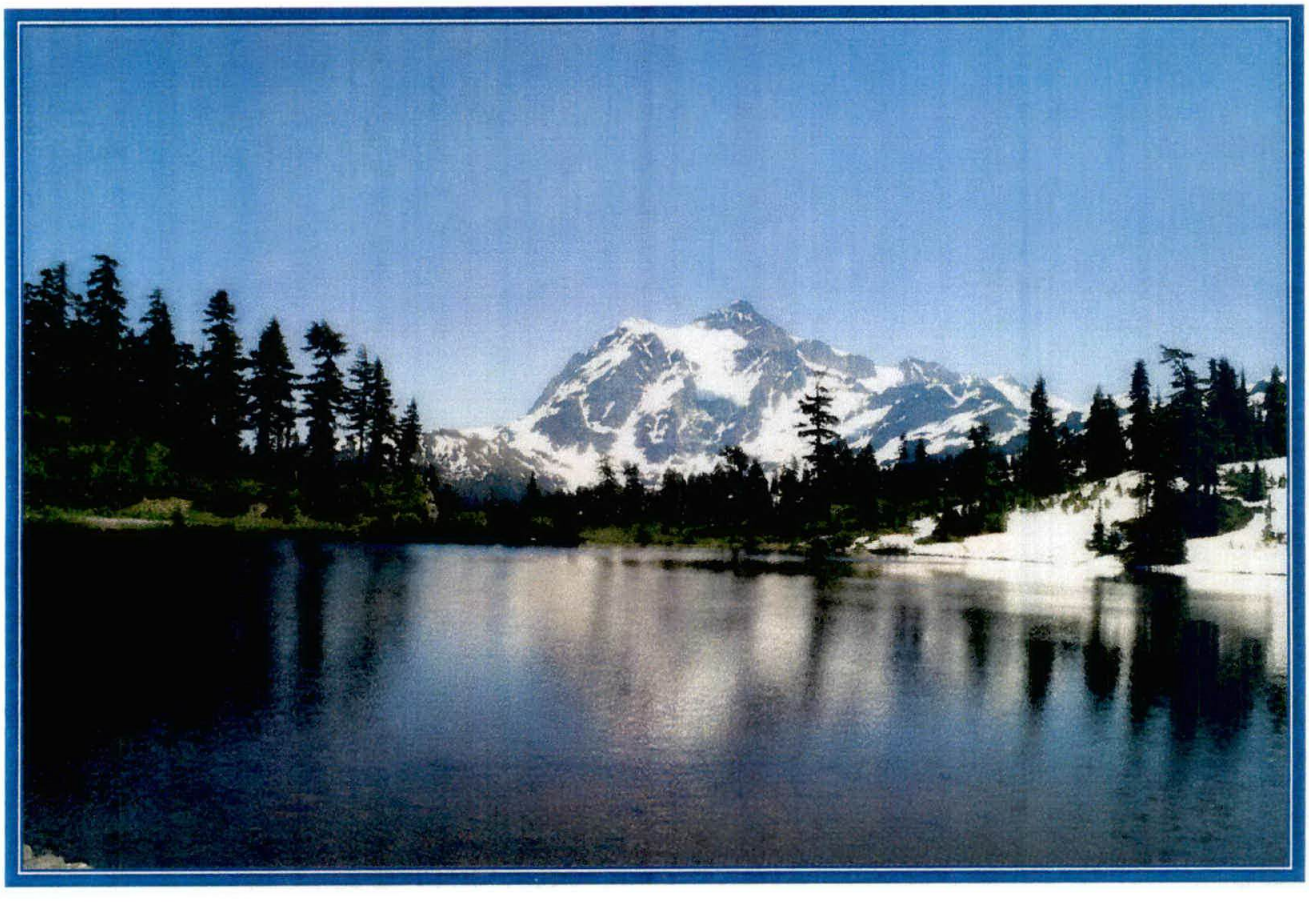
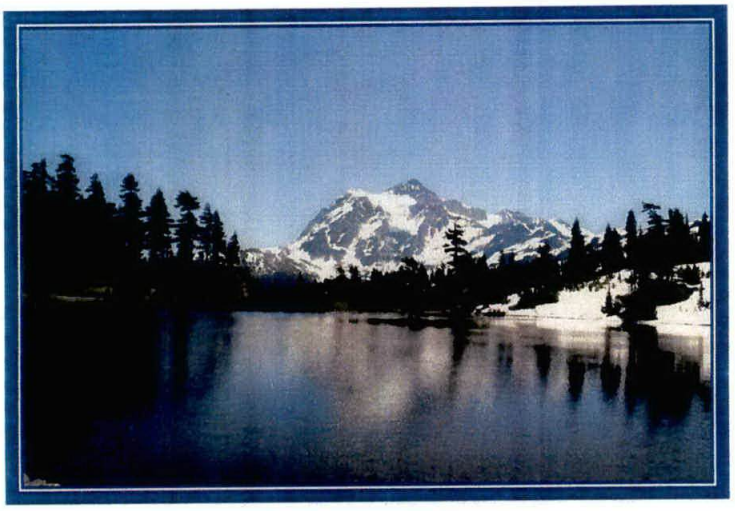
WEBSITE: www.nwhydrogeo.com

CONSULTING ENVIRONMENTAL PROFESSIONALS

GEOLOGY, GROUND WATER, and ENVIRONMENTAL SITE ASSESSMENTS



STATEMENT OF QUALIFICATIONS



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CONSULTING ENVIRONMENTAL PROFESSIONALS

GEOLOGY, GROUND WATER, and ENVIRONMENTAL SITE ASSESSMENTS

LICENSING, CERTIFICATIONS and QUALIFICATIONS

Northwest HydroGeo Consultants is fully licensed, certified, qualified and experienced to provide professional consulting services for your projects throughout the Western Washington area.

The objective of **ENVIRONMENTAL CONSULTING** is to assess general site conditions and characterize the overall environmental, geological and ground water concerns for the site and its surrounding area.

Our Professional holds the B.A. and the M.S. in Geology, with additional studies and certification in Ground Water and Environmental Services. In our 17 years of independent professional consulting we have provided **ENVIRONMENTAL SITE ASSESSMENTS, Phases I, II** and **III** for a variety of real estate, development, financial institutions and individuals throughout this area.

We are fully qualified and experienced in conducting **Environmental Site Assessments** under the **Due Diligence** requirements of the **ASTM E-1527-05** and **EPA AAI** regulations. We have obtained **NO FURTHER ACTION** letters on behalf of our clients from the Washington Department of Ecology for successfully remediated sites, acknowledging that the sites have been remediated to acceptable standards and require no further action.

Overall we have accomplished some 350 Environmental Site Assessments, have provided aquifer testing for nearly 100 Group A and Group B water systems, and have conducted over 30 wellhead protection studies. We further provide Hydrogeologic Reports under the requirements of the various county **Critical Areas Ordinance** statues, to evaluate aquifer and ground water conditions, slope stability, and other issues as defined by these ordinances.

Call on us with confidence for quality professional consulting services. We look forward to working with you on your projects.

360.634-4955 Toll Free 800.457-1902 FAX 360.734-7689

email: nwhydrogeo@datalinkwest.com

The State of Washington

DEPARTMENT OF LICENSING

It is hereby certified that Douglas Scott Dillenberger

has satisfactorily complied with and completed the statutory requirements set forth in title 18 revised code of Washington to engage in practice as a

Geologist

And is hereby authorized, empowered and granted the right to engage in that practice within the State of Washington subject to the state laws.

And is licensed as a qualified

Hydrogeologist

Given under the hand and seal of the director this

16th day of November, 2001.

Fred Stephens
DIRECTOR

Geologist Licensing Board

Jeffrey H. Randall
CHAIR

No. 225

NORTHWEST HYDROGEO CONSULTANTS

1941 Lake Whatcom Boulevard ▼ B3 #113
Bellingham, WA 98229-2777

Ph 360.734-4955 Toll-Free 800.457-1902 FAX 360.734-7689
WEBSITE: www.nwhydrogeo.com email: nwhydrogeo@datalinkwest.com

STATEMENT OF QUALIFICATIONS AND RÉSUMÉ

DOUGLAS S. DILLENBERGER, M.S., L.G., L.HG.

WASHINGTON LICENSED GEOLOGIST / HYDROGEOLOGIST No. 225

SUMMARY OF PROFESSIONAL EXPERIENCE

Our Principal, **Doug Dillenberger**, is a **Washington Licensed Geologist** and **Hydrogeologist** offering over thirty years' experience in earth sciences, environmental site assessments, geology and hydrogeology. Mr. Dillenberger, licensed professionally in the states of **Washington and Oregon**, holds the Master's Degree in Geology with postgraduate studies in Hydrogeology at the Colorado School of Mines in Golden, Colorado. He is a nationally **Registered Professional Geologist** and a **Washington State Certified UST Site Assessor**. For twenty years he has worked professionally throughout this six-county western Washington area and is in his fifteenth year as an independent professional consultant.

His comprehensive expertise focuses on environmental assessments; geological and hydrogeological investigations and assessments; critical areas ordinance reports; regional and local ground water characterization; environmental analysis and monitoring; contaminant characterization, evaluation and remediation; shoreline analysis; nitrate loading calculations; aquifer testing, characterization and evaluation; and wellhead protection studies.

Mr. Dillenberger is a **Certified Washington UST Site Assessor** qualified to supervise removal of **underground storage tanks** and to investigate, delineate, monitor, and remediate site contamination. He has successfully obtained **NFA – No Further Action** – letters from the State Department of Ecology for sites successfully remediated on behalf of clients. In addition, his professional experience includes coal exploration and development—planning and supervising coal exploration projects in the Bellingham area for a large national energy company.

SELECTED PROFESSIONAL ACCOMPLISHMENTS

Northwest HydroGeo Consultants is in its fifteenth year providing independent consulting services in geology, environmental and ground water projects for clients in the Pacific Northwest. Our qualifications and the full range of professional geological, hydrogeological and environmental services are presented in the **Statement of Qualifications** information packet.

- **Northwest HydroGeo Consultants** was founded in March 1995, serving Northwest Washington and offering specialized and full-service professional consulting services in aquifer testing and evaluation, geo-hazard and shoreline evaluations, project design and management, environmental site assessments, contaminant characterization and remediation, and, environmental monitoring.

  During this period our Principal has accomplished some 400 Environmental Site Assessments, Phases I, II and III, and has received letters of **NFA** (No Further Action) from the State Department of Ecology under the requirements of the Voluntary Cleanup Program for successful cleanup of petroleum-contaminated sites.

  He has conducted aquifer testing for nearly 100 **Group A** and **Group B** systems, and for individual

property and project wells. He has provided ground water studies and aquifer characterization for development and planning information per Hydrogeologic Investigation reports. He has prepared wellhead protection plans for over 30 **Group A** water systems of various sizes throughout the western Washington region. He is currently conducting quarterly ground water monitoring for a gravel mining operation near the Canadian border.

SUMMARY OF PROFESSIONAL HISTORY

1995-Present	Principal, **Northwest HydroGeo Consultants**
1992-1995	Manager of Professional Services: **Hayes Drilling, Inc.**; Bow, Washington
1990-1992	Hydrogeologist: **W.D. Purnell and Associates**; Bellingham, Washington
1988-1990	Senior Geologist: **CES, Ltd;**, Portland, Oregon
1987-1988	Senior Staff Geologist: **The Mark Group**; Las Vegas, Nevada
1985-1987	Independent Consulting Geologist: Denver, Colorado
1978-1985	Exploration Geologist: **AMAX Coal Company**; Denver, Colorado
1977-1978	Staff Geologist, Development Drilling: **AMAX Coal Co.**; Indianapolis, Indiana
1976-1977	Development Geologist: **ADA Resources**; Barbourville, Kentucky

PROFESSIONAL REGISTRATION AND CERTIFICATION

Licensed Geologist and Hydrogeologist No. 225 **STATE OF WASHINGTON**
Registered Professional Geologist No. G1010 **State of Oregon**
Certified Professional Geologist No. 7363 **American Institute of Professional Geologists**
Certified UST Site Assessor ICC Certificate # 1081790-U7 **International Code Council**
(Certified UST Site Assessor per Washington Department of Ecology regulations and training)
Annual Refresher Training: 8-Hour Hazardous Waste Operations and Emergency Response
OLTRAIN www.oltrain.com

PROFESSIONAL MEMBERSHIPS

American Association of Professional Geologists
Association of Ground Water Scientists and Engineers
National Association of Environmental Professionals
National Ground Water Association No. 120214
Washington State Ground Water Association

EDUCATION

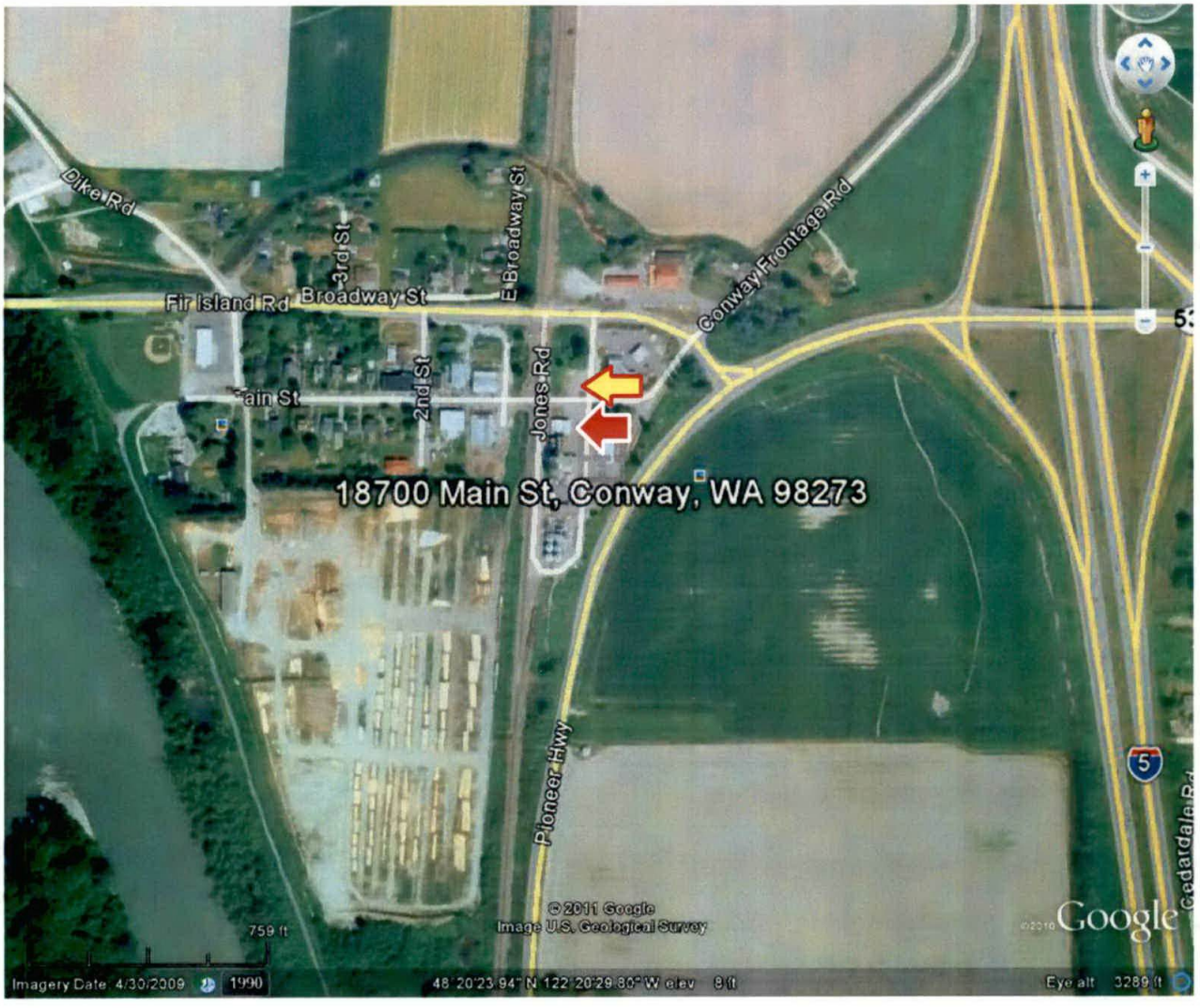
Hydrogeology	Colorado School of Mines, Postgraduate Studies	1987
M.S., Geology	Eastern Kentucky University; Richmond, Kentucky	1976
B.A., Geology	University of South Florida; Tampa, Florida	1972
A.A., General	Pensacola Community College; Pensacola, Florida	1970

MILITARY SERVICE

1964-1968 **Top Secret Crypto security clearance with Army Security Agency, U.S. Army Forces, Europe. Held . Honorably discharged up fulfillment of enlistment.**

NORTHWEST HYDROGEO CONSULTANTS

FIGURES
and
PHOTOGRAPHS



T 33 N R 04 E, W.M. Sec 19 **NW 2185 PARCEL P16852**

RED ARROW INDICATES LOCATION OF EXCAVATION AND MONITORING WELL

YELLOW ARROW INDICATES SOIL STOCKPILE AND REMEDIATION AREA

MAP REFERENCE

GOOGLE™ SOFTWARE

SPOT SATELLITE IMAGE

© 2011

AERIAL VIEW with PROJECT LOCATION

NORTHWEST HYDROGEO CONSULTANTS

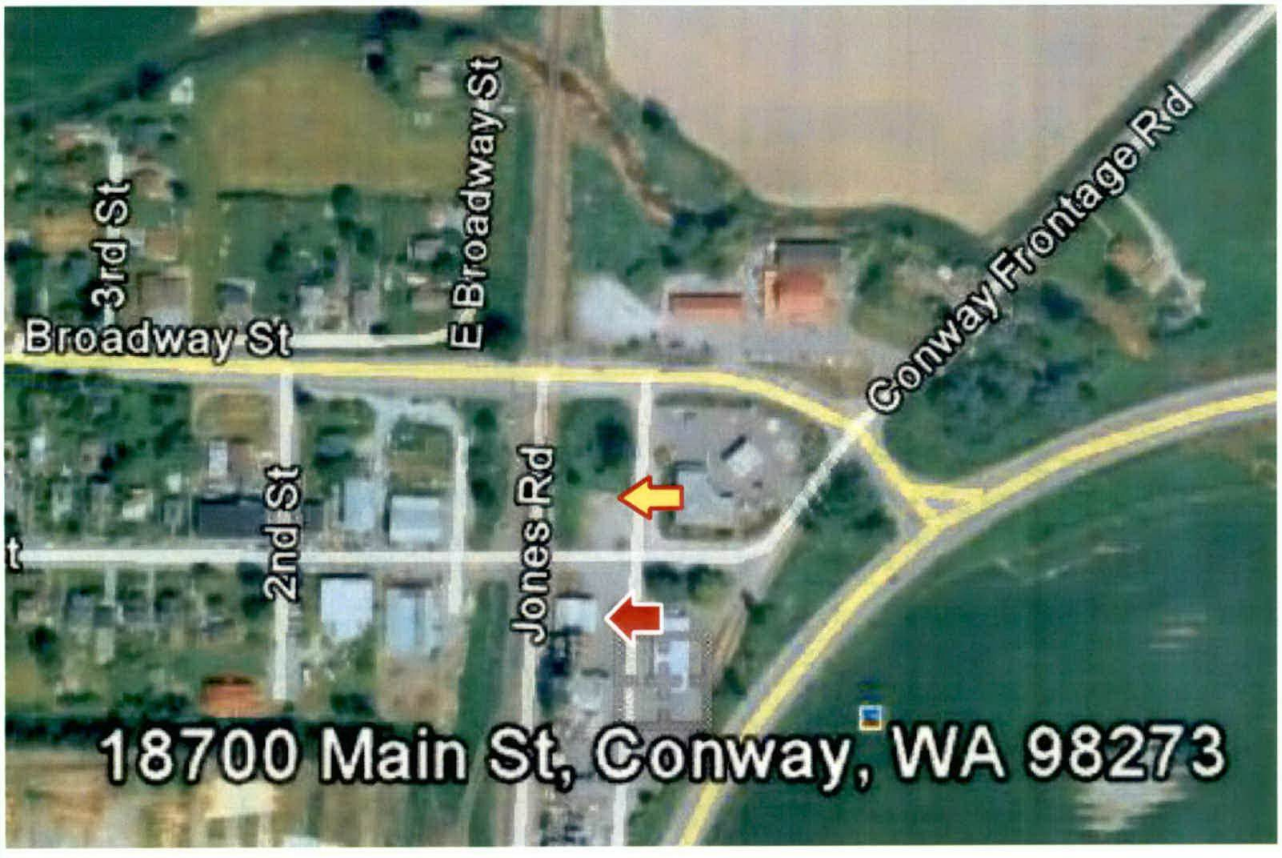
CONWAY FEED

18700 MAIN STREET • CONWAY, WA 98238
SKAGIT COUNTY

SCOTT McKNIGHT, GENERAL MANAGER

PN 2K1104-1 AUGUST 2011

Figure 1



T 33 N R 04 E, W.M. Sec 19 NW 2185 PARCEL P16852

RED ARROW INDICATES LOCATION OF EXCAVATION AND MONITORING WELL

YELLOW ARROW INDICATES SOIL STOCKPILE AND REMEDIATION AREA

MAP REFERENCE

GOOGLE™ SOFTWARE

SPOT SATELLITE IMAGE

© 2011

AERIAL VIEW with PROJECT LOCATION

NORTHWEST HYDROGEO CONSULTANTS

CONWAY FEED

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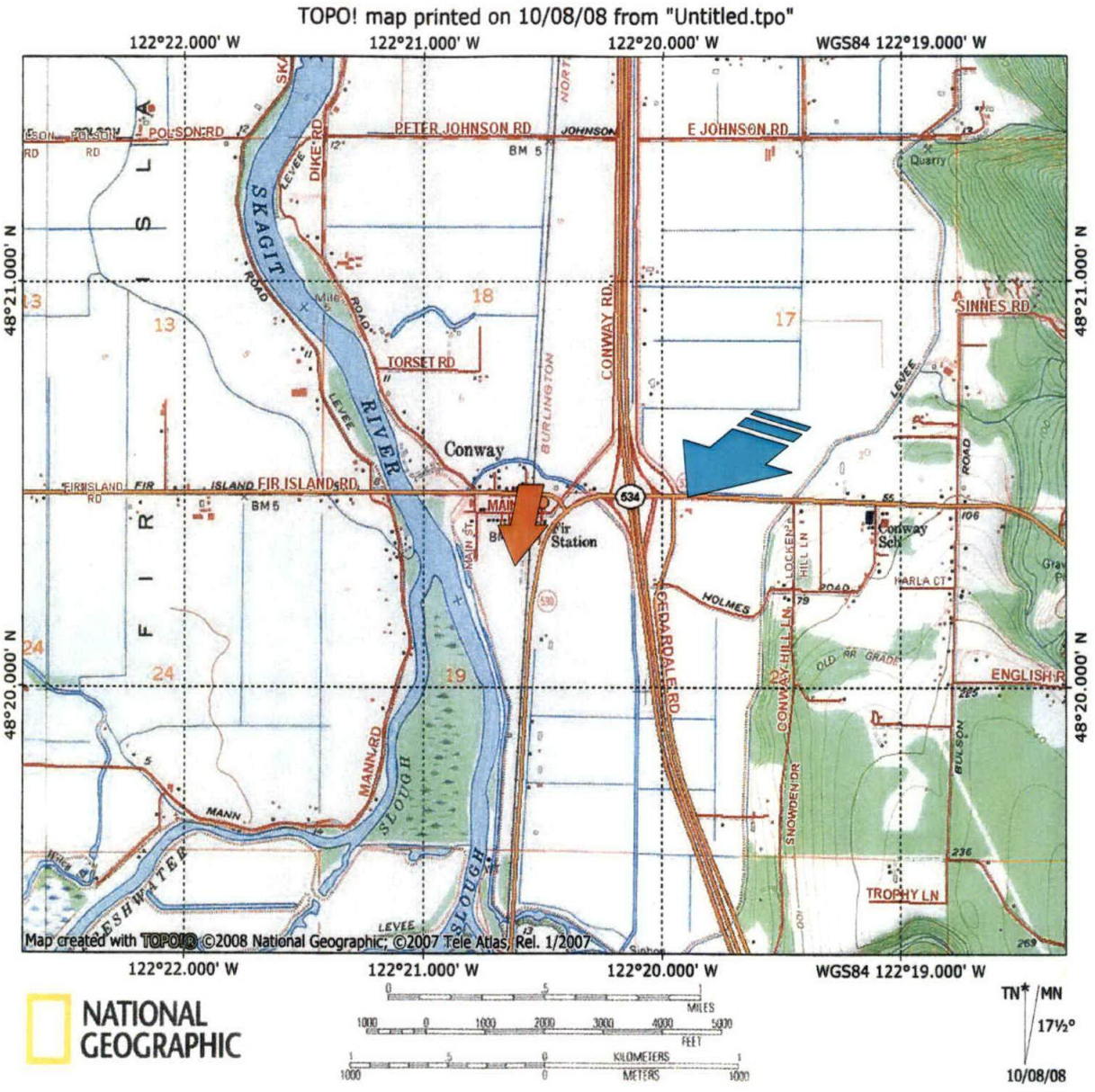
SCOTT McKNIGHT, GENERAL MANAGER

PN 2K1104-1AUGUST 2011

Figure 1- A



EXPLANATION

GENERAL INFERRED DIRECTION
OF GROUND WATER MOVEMENT

T 33 N R 04 E, W.M. Sec 19

ARROW DENOTES APPROXIMATE LOCATION OF PROJECT SITE

NW 2185 Parcel P16852

MAP REFERENCE

TOPO! SOFTWARE
by
NATIONAL GEOGRAPHIC
© 2004

SCALE AS SHOWN

REGIONAL SETTING

with GENERAL INFERRED DIRECTION
OF GROUND WATER MOVEMENT

NORTHWEST HydroGeo CONSULTANTS

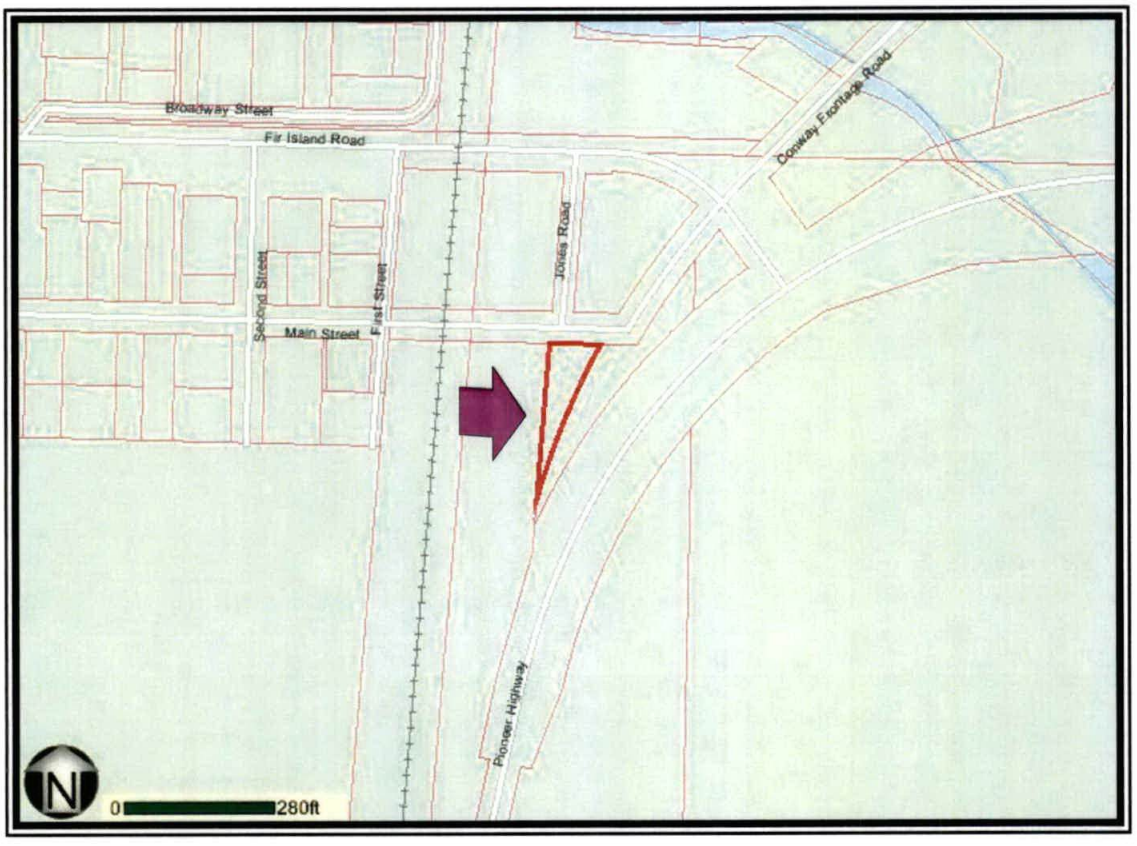
CONWAY FEED

18700 MAIN STREET • CONWAY, WA 98238
SKAGIT COUNTY

SCOTT McKNIGHT, GENERAL MANAGER

PN 2K1104-1 AUGUST 2011

Figure 2



CONWAY FEED

18700 MAIN STREET
CONWAY, WA 98238

NW 2185

PARCEL No. P16852

T 33 N R 04 E, W.M. Sec 19

ARROW DENOTES SUBJECT SITE

MAP REFERENCE

SKAGIT COUNTY WASHINGTON iMap 6.0

PARCEL MAP

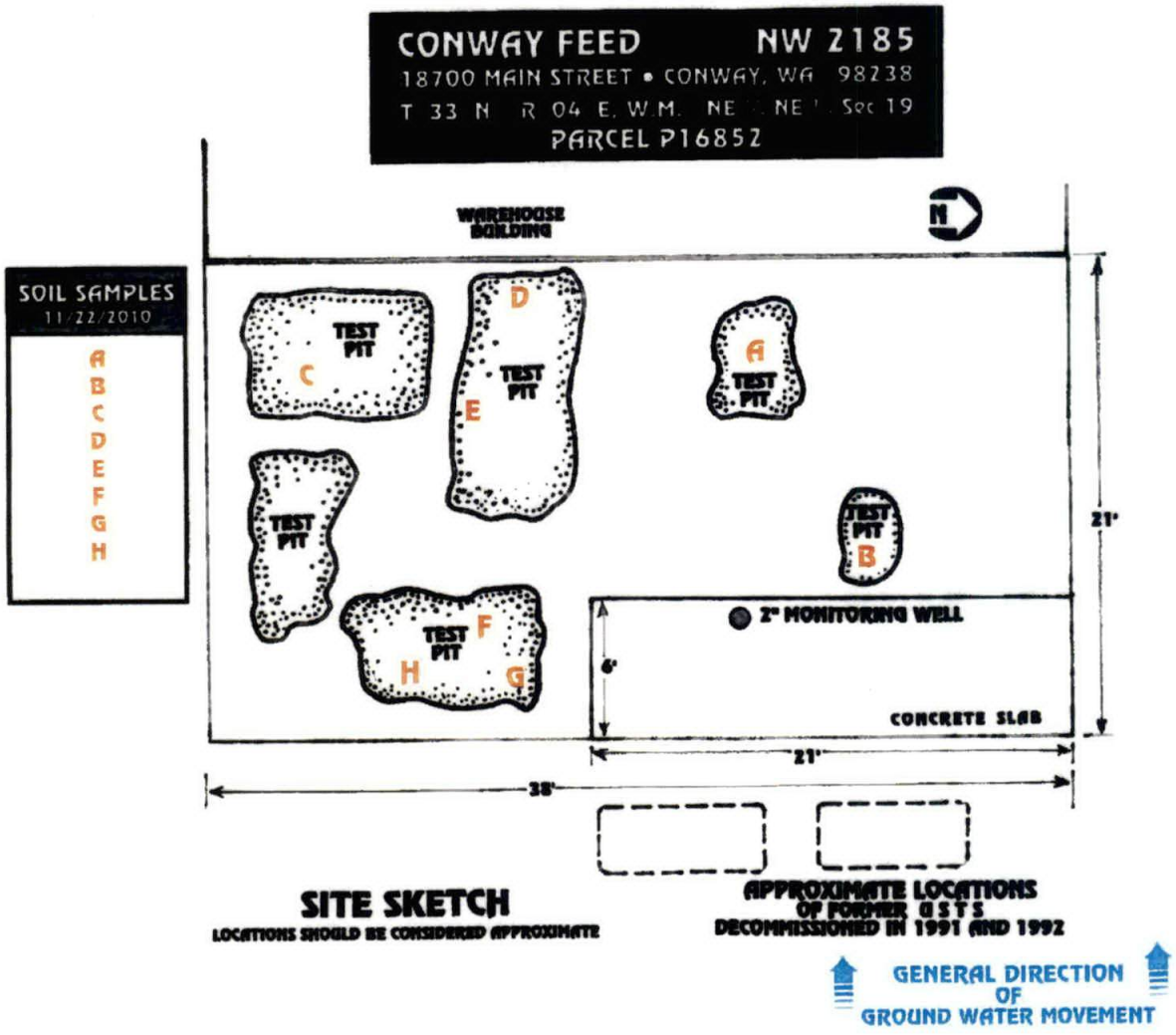
NORTHWEST HYDROGEO CONSULTANTS

CONWAY FEED
18700 MAIN STREET • CONWAY, WA 98238
SKAGIT COUNTY

SCOTT McKNIGHT, GENERAL MANAGER

PN 2K1004-1 AUGUST 2011

Figure 3



SITE SKETCH DEPICTS AREA IN FRONT OF WAREHOUSE BUILDING THAT WAS NEAREST THE FORMER U S Ts AND WHICH WAS EXCAVATED FOR THE INVESTIGATION

T 33 N R 04 E, W.M. Sec 19 NW 2185 PARCEL P16852

SOIL SAMPLING LOCATIONS

NOVEMBER 2010

NORTHWEST HYDROGEO CONSULTANTS

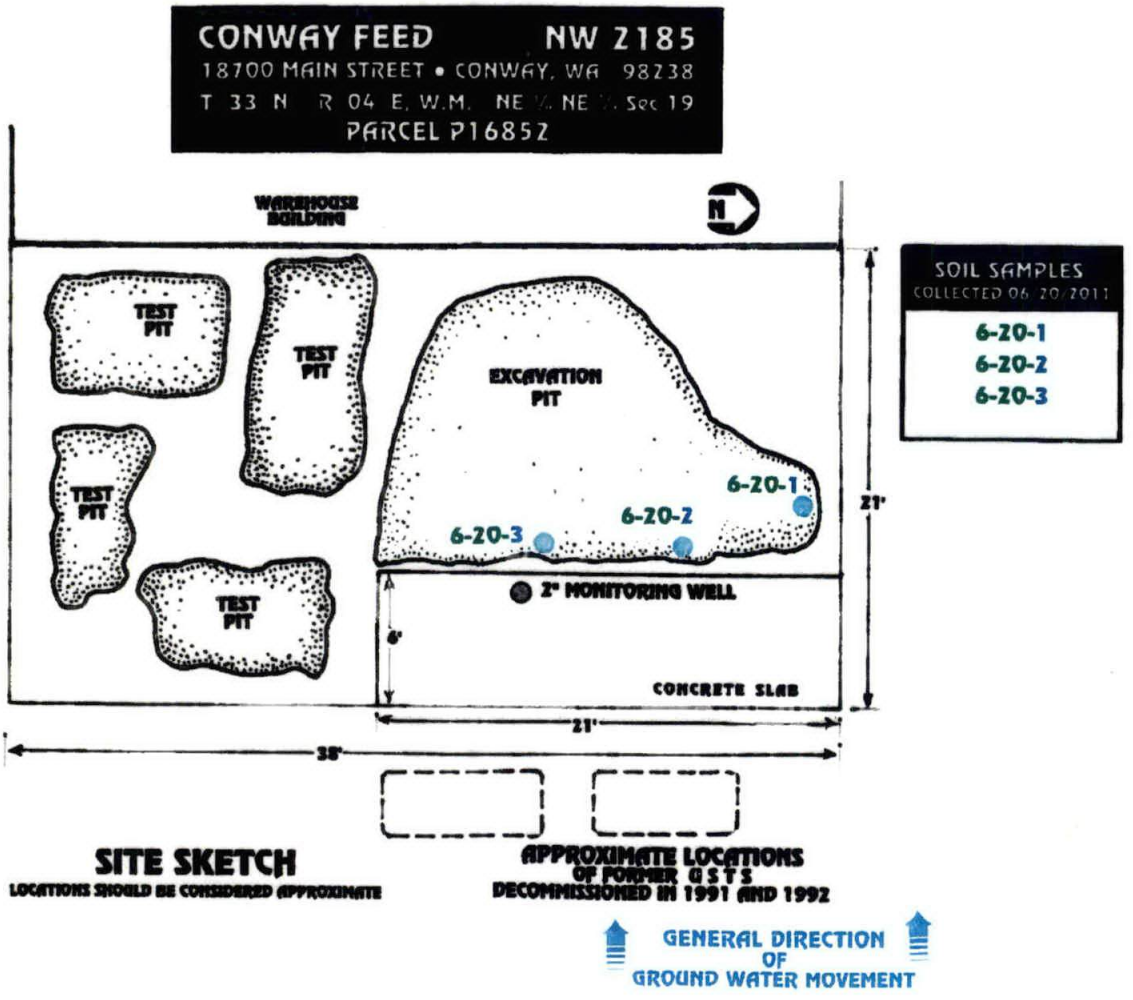
CONWAY FEED

18700 MAIN STREET • CONWAY, WA 98238
SKAGIT COUNTY

SCOTT McKNIGHT, GENERAL MANAGER

PN 2K1104-1 AUGUST 2011

Figure 4



SITE SKETCH DEPICTS AREA IN FRONT OF WAREHOUSE BUILDING THAT WAS NEAREST THE FORMER U S Ts AND WHICH WAS EXCAVATED FOR THE INVESTIGATION

T 33 N R 04 E, W.M. Sec 19 NW 2185 PARCEL P16852

SOIL SAMPLING LOCATIONS

JUNE 2010

CONWAY FEED

18700 MAIN STREET • CONWAY, WA 98238
SKAGIT COUNTY

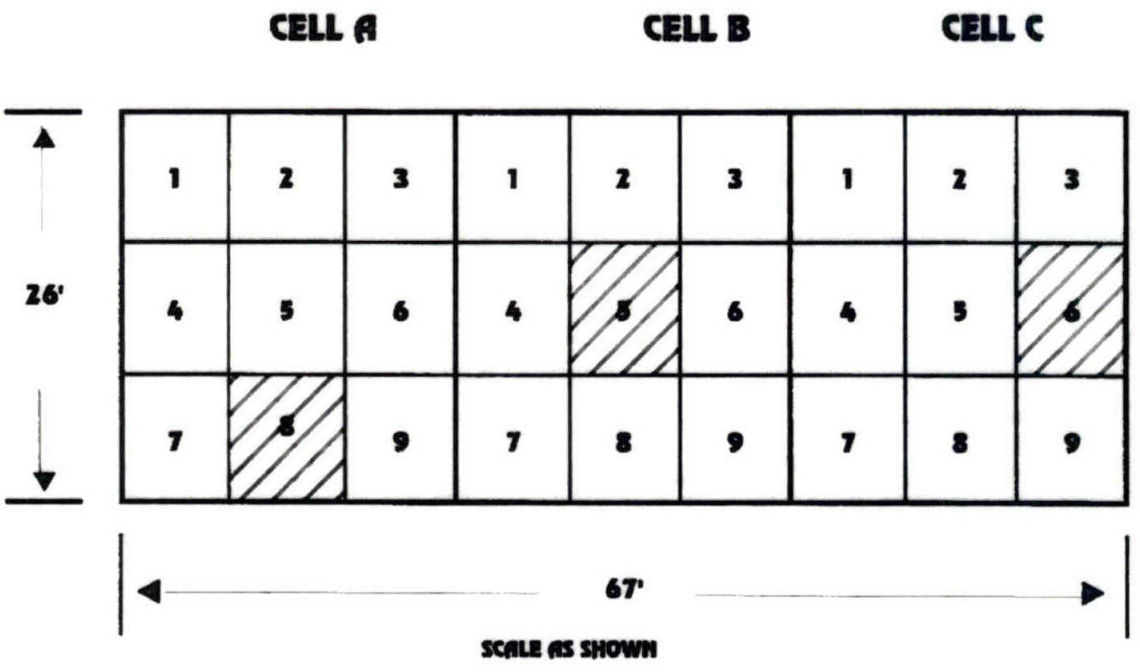
SCOTT McKNIGHT, GENERAL MANAGER

PN 2K1104-1 AUGUST 2011

NORTHWEST HYDROGEO CONSULTANTS

Figure 5

SKETCH OF REMEDIATION AREA



SCALE AS SHOWN

SHADED AREAS INDICATE LOCATIONS OF SAMPLES, SELECTED AT RANDOM

SAMPLES COLLECTED AUGUST 01, 2011

LOCATIONS SHOULD BE CONSIDERED APPROXIMATE

SITE SKETCH DEPICTS AREA NORTH OF WAREHOUSE BUILDING
WHERE EXCAVATED SOILS WERE REMEDIATED

T 33 N R 04 E, W.M. Sec 19 NW 2185 PARCEL P16852

SOIL SAMPLING LOCATIONS
AERATED REMEDIATION AREA

NORTHWEST HYDROGEO CONSULTANTS

SAMPLES COLLECTED AUGUST 01, 2011

CONWAY FEED

18700 MAIN STREET • CONWAY, WA 98238
SKAGIT COUNTY

SCOTT McKNIGHT, GENERAL MANAGER

PN 2K1104-1 AUGUST 2011

Figure 6

UNIFIED SOIL CLASSIFICATION

Main Division of Soil Groups		Fines: Percentage finer than 0.06 mm	Soil Groups	Group Symbols	Sub-Group Symbols	Soil Name
Coarse Soils More than 35 per cent of the material less than 60 mm is larger than 0.06 mm	Gravel More than 50 per cent of coarse materials is larger than 2 mm	0–5	Gravel	G	GW GP GPu GPg	Gravel, well graded Gravel, poorly graded Gravel, uniformly graded Gravel, gap graded
		5–35	Gravel, silty	GM	GML etc.	Gravel, silty, of low plasticity
			Gravel with Fines	GF		
			Gravel, clayey	GC	GCL etc.	Gravel, clayey, of low plasticity
	Sand More than 50 per cent of coarse materials is smaller than 2 mm	0–5	Sand	S	SW SP SPu SPg	Sand, well graded Sand, poorly graded Sand, uniformly graded Sand, gap graded
		5–35	Sand, silty	SM	SML etc.	Sand, silty, of low plasticity
			Sand with Fines	SF		
			Sand, clayey	SC	SCL etc.	Sand, clayey, of low plasticity
Fine Soils More than 35 per cent of the material less than 60 mm is larger than 0.06 mm	Silts and Clays, Gravelly or Sandy	35–65	Silt, gravelly	MG	MLG etc.	Silt, gravelly, of low plasticity
			Fine Soil, gravelly Clay, gravelly	FG CG	CLG etc.	Clay, gravelly, of low plasticity
			Silt, sandy	MS	MSL etc.	Silt, sandy, of low plasticity
			Fine Soil, sandy Clay, sandy	FS CS	CLS etc.	Clay, sandy, of low plasticity
	Silts and Clays	65–100	Silt (M-Soil)	M	ML etc.	Silt of low plasticity
			Fine Soil Clay	F C	CL CI CH CV CE	Clay of low plasticity Clay of intermediate plasticity Clay of high plasticity Clay of very high plasticity Clay of extremely high plasticity
Organic Soils	Organic Sand, silt or clay			Descriptive letter O Suffixed to any symbol		
Peat	Predominantly plant remains which may be fibrous or amorphous			PT		

Note: Material coarser than 60 mm is removed and recorded as cobbles (60–200 mm) or boulders (over 200 mm).

Source: Reprinted with permission from Bull. Int. Assoc. Eng. Geol., No. 24, M. Matula, Recommended Symbols for Engineering Geological Mapping, 1981.

SITE PHOTOS

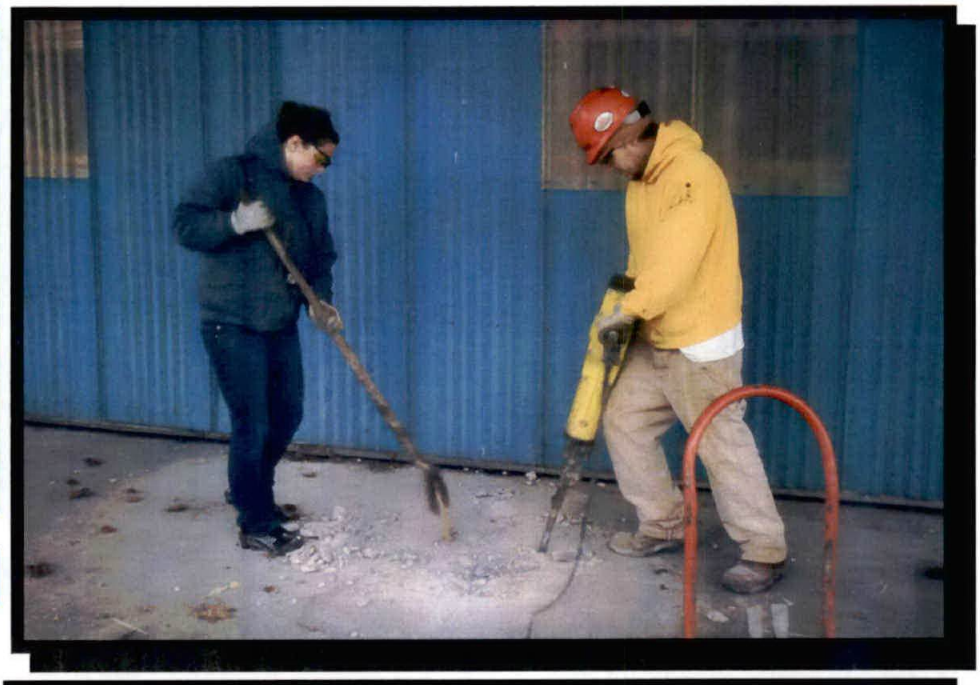
FOLLOW-UP INVESTIGATION

SOILS & GROUND WATER

CONWAY FEED
18700 Main Street
Conway, WA 98238

NW 2185

PN 2K1004-1 • August 2011



NOVEMBER 16, 2010

1

BEGINNING OF SITE REMEDIATION WORK AT THE **CONWAY FEED** SITE, BREAKING UP THE CONCRETE SLAB OVERLYING POTENTIAL CONTAMINATED SOIL AREA.

NOVEMBER 18, 2010

2

CONCRETE SLAB BROKEN UP AND REMOVED.

TEST PITS BEING DUG IN SOILS TO DETERMINE WHERE AND THO WHAT DEGREE CONTAMINATION EXISTS.

NOVEMBER 29, 2010

3

TEST PIT DUG UNDER FORMER SLAB.

NORTHWEST HYDROGEO CONSULTANTS

IMAGE CONTENT HAS NOT BEEN ALTERED

SITE PHOTOS
FOLLOW-UP INVESTIGATION
SOILS & GROUND WATER
CONWAY FEED
18700 Main Street
Conway, WA 98238

NW 2185

PN 2K1004-1 • August 2011

NOVEMBER 29, 2010

4

BEGINNING OF SITE REMEDIATION WORK AT THE **CONWAY FEED** SITE, BREAKING UP THE CONCRETE SLAB OVERLYING POTENTIAL CONTAMINATED SOIL AREA.

5

SOILS BEING DUMPED AT REMEDIATION SITE, PREPARED IN ADVANCE, AND LINED WITH VISQUINE® BLACK PLASTIC SHEETING.

HAY BALES DEFINE LIMITS OF REMEDIATION AREA.

6

SOILS WERE COVERED WITH VISQUINE® AND SECURED WITH HAY BALES TO ELIMINATE THE POTENTIAL FOR LEACHATE FORMATION DURING THE RAINY SEASON.

NORTHWEST HYDROGEO CONSULTANTS

IMAGE CONTENT HAS NOT BEEN ALTERED

SITE PHOTOS
FOLLOW-UP INVESTIGATION
SOILS & GROUND WATER
CONWAY FEED
18700 Main Street
Conway, WA 98238

NW 2185

PN 2K1004-1 • August 2011

NOVEMBER 29, 2010

7

LEO DAY, PRESIDENT OF **ULTRA TANK SERVICES, Inc.**, MEASURING DEPTH TO BOTTOM OF EXCAVATION PIT..

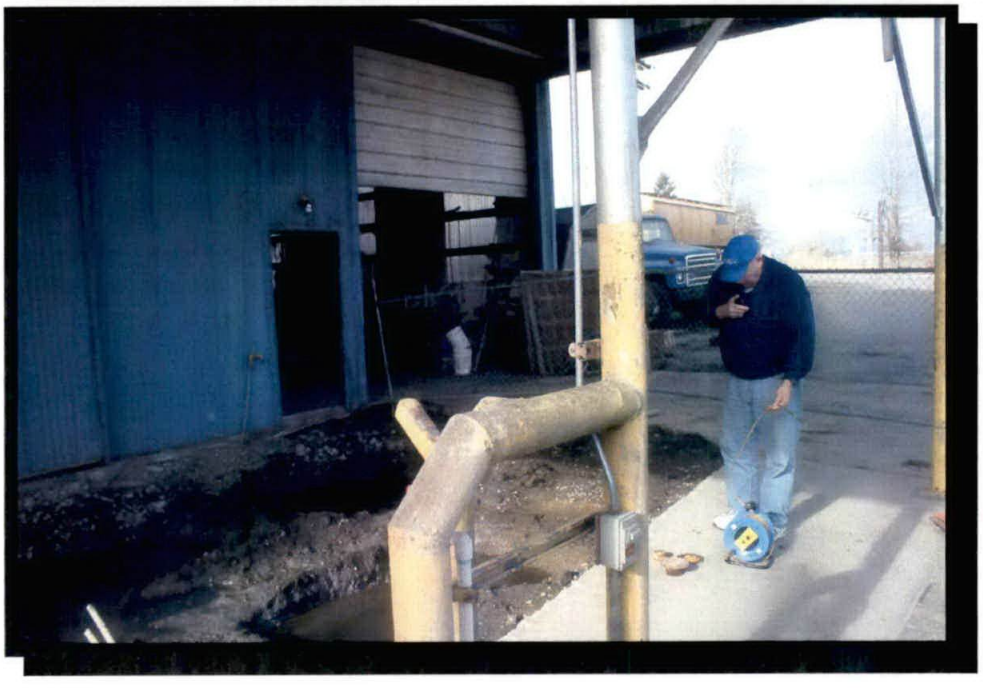
DECEMBER 02, 2010

8

EXCAVATION PIT ACCUMULATED GROUND WATER FROM NOVEMBER TO DECEMBER, THE RESULT OF GROUND WATER

9

PROJECT HYDROGEOLOGIST COLLECTING DEPTH TO WATER INFORMATION FROM EXISTING MONITORING WELL AT THE SITE..



NORTHWEST HYDROGEO CONSULTANTS

IMAGE CONTENT HAS NOT BEEN ALTERED

SITE PHOTOS
FOLLOW-UP INVESTIGATION
SOILS & GROUND WATER

CONWAY FEED
18700 Main Street
Conway, WA 98238

NW 2185

PN 2K1004-1 • August 2011

DECEMBER 29, 2010

10

HYDROGEOLOGIST COLLECTING WATER SAMPLES FROM EXCAVATION PIT CONTAINING GROUND WATER.

JUNE 20, 2011

11

IN JUNE 2011, REMEDIATION ACTIVITIES RESUMED AT THE SITE.

THIS VIEW SHOWS REMOVAL OF THE LAST OF THE CONTAMINATED SOILS FROM THE EXCAVATION PIT.

12

VIEW LOOKING EASTWARD AT INTERCEPTION OF FILL MATERIAL FROM FORMER U S T EXCAVATION AREA.

THREE SOIL SAMPLES COLLECTED FROM THIS GENERAL AREA WERE REPORTED **NOT DETECTED** BY LABORATORY ANALYSIS.

NORTHWEST HYDROGEO CONSULTANTS

IMAGE CONTENT HAS NOT BEEN ALTERED

SITE PHOTOS
FOLLOW-UP INVESTIGATION
SOILS & GROUND WATER
CONWAY FEED
18700 Main Street
Conway, WA 98238

NW 2185

PN 2K1004-1 • August 2011

JUNE 24, 2011

13

ANOTHER VIEW OF THE LARGE EXCAVATION AREA.

14

VIEW LOOKING SOUTH, SHOWING LARGE EXCAVATION AREA AND EXISTING TEST PITS IN BACKGROUND.

15

AFTER CONTAMINATED SOILS WERE REMOVED, THE AREA WAS BACKFILLED WITH CLEAN MATERIAL CONSISTING OF GRAVEL, SAND AND SILT..

NORTHWEST HYDROGEO CONSULTANTS

IMAGE CONTENT HAS NOT BEEN ALTERED

SITE PHOTOS

FOLLOW-UP INVESTIGATION

SOILS & GROUND WATER

CONWAY FEED • 18700 Main Street • Conway, WA 98238

NW 2185

PN 2K1004-1 • August 2011

AUGUST 01, 2011

16

ULTRA TANK SERVICES, Inc. AERATING THE STOCKPILED SOILS REMOVED FROM THE PIT AREA.

17

FINAL SOIL SAMPLES COLLECTED FROM REMEDIATION AREA.

RED FLAGGING MARKS SAMPLE COLLECTION LOCATIONS.

NORTHWEST HYDROGEO CONSULTANTS

IMAGE CONTENT HAS NOT BEEN ALTERED

APPENDIX

EDGE ANALYTICAL LABORATORIES REPORT

Soil Samples Collected on November 18, 2010
Sample Locations A and B

Soil Samples Collected on November 22, 2010
Sample Location C

Soil Samples Collected on November 29, 2010
Sample Locations D, E, F, G and H

Soil Samples Collected on June 20, 2011
Sample Locations 1, 2 and 3

Stockpile Soil Samples Collected on August 01, 2011
Sample Locations A, B and C

Ground Water Samples Collected on:

1) December 30, 2010
2) July 22, 2011

Soil Samples Collected on November 18, 2010
Sample Locations A and B

EDGE ANALYTICAL LABORATORIES

Burlington WA	Bellingham WA	Portland OR
Corporate Office	*Microbiology*	*Microbiology/Chemistry*
1620 S Walnut St - 98233	805 Orchard Dr Ste 4 - 98225	9150 SW Pioneer Ct Ste W- 97070
800.755.9295 • 360.757.1400	360.671.0688	503.682.7802

December 6, 2010

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-17665 - 2K1001

Dear Mr. Doug Dillenberger,

Your project: 2K1001, was received on Thursday November 18, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

EDGE ANALYTICAL LABORATORIES

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9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17665**
Project: 2K1001

Report Date: 12/6/10
Date Received: 11/18/10
Reviewed by:

Sample Description: A - 2K1001
Lab Number: 39628
Sample Date: 11/18/10
Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10151	TOTAL SOLIDS	62.0	0.1000	0.1000		%	1.00	SM2540 G	11/22/10	SRF	TS_101122	
7439-92-1	LEAD	6.32	1.28	1.28		mg/Kg	1.00	6010B/3051	12/2/10	BJ	6010B-101202B	

Sample Description: B - 2K1001
Lab Number: 39629
Sample Date: 11/18/10
Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10151	TOTAL SOLIDS	48.2	0.1000	0.1000		%	1.00	SM2540 G	11/22/10	SRF	TS_101122	
7439-92-1	LEAD	19.0	1.96	1.96		mg/Kg	1.00	6010B/3051	12/2/10	BJ	6010B-101202B	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

EDGE ANALYTICAL LABORATORIES

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Bellingham WA — Microbiology — 805 Orchard Dr Ste 4 - 98225 — 360.671.0688
Portland OR — Microbiology/Chemistry — 9150 SW Pioneer Ct Ste W- 97070 — 503.682.7802

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17665**
Project: 2K1001
Report Date: 11/29/10
Date Received: 11/18/10
Peer Review: HM

Sample Description: A - 2K1001
Lab Number: 39628
Date 11/23/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101123	Lab DUP: ND
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101123	Lab DUP: ND

Sample Description: B - SK1001
Lab Number: 39629
Date 11/23/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101123	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101123	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

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Portla... OR
Microbiology/Chemistry
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503.682.7802

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17665**
Project: 2K1001
Report Date: 11/29/10
Date Received: 11/18/10
Peer Review:

Sample Description: A - 2K1001
Lab Number: 39628
Date 11/29/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	**1**		2	0.03	0.050	-	mg/Kg	8260B/5035A	GXS_101122	
TOLUENE	**0.3**	J	2	7.0	0.20	-	mg/Kg	8260B/5035A	GXS_101122	
ETHYLBENZENE	**21.9**		2	6.0	0.20	-	mg/Kg	8260B/5035A	GXS_101122	
TOTAL XYLENES	**44.5**		2	9.0	0.40	-	mg/Kg	8260B/5035A	GXS_101122	
GAS Range Organics	**2650**		2	100/30*	50	-	mg/Kg	8260B/5035A	GXS_101122	

Sample Description: B - SK1001
Lab Number: 39629
Date 11/29/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	**ND**		1	0.03	0.025	-	mg/Kg	8260B/5035A	GXS_101122	
TOLUENE	**ND**		1	7.0	0.10	-	mg/Kg	8260B/5035A	GXS_101122	
ETHYLBENZENE	**ND**		1	6.0	0.10	-	mg/Kg	8260B/5035A	GXS_101122	
TOTAL XYLENES	**1.1**		1	9.0	0.20	-	mg/Kg	8260B/5035A	GXS_101122	
GAS Range Organics	**90.5**		1	100/30*	25	-	mg/Kg	8260B/5035A	GXS_101122	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-17665
Report Date: 11/29/10

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
DXS_101123						
39628	O-TERPHENYL	91		%	NWTPH-Dx	
GXS_101122						
39628	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range: 50-150%
DXS_101123						
39629	O-TERPHENYL	101		%	NWTPH-Dx	
GXS_101122						
39629	d8-TOLUENE (Surr)	102		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101202B	LEAD	0.93	1	mg/L	6010B	93	70-130		LFB	
DXS_101123	DIESEL (C12 - C24)	129	125	mg/Kg	NWTPH-Dx	103	80-120		LFB	
	O-TERPHENYL	103		%	NWTPH-Dx		70-130			
GXS_101122	BENZENE	1.0	1	mg/Kg	8260B	100	70-130		LFB	
	d8-TOLUENE (Surr)	111		%	8260B					
	ETHYLBENZENE	1.1	1	mg/Kg	8260B	110	70-130			
	GAS Range Organics	202	250	mg/Kg	8260B	81	70-130			
	TOLUENE	1.1	1	mg/Kg	8260B	110	70-130			
	TOTAL XYLENES	2.9	3	mg/Kg	8260B	97	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101202B	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-101202B	LEAD	ND		mg/L	6010B		3.12000		MB	
DXS_101123	DIESEL (C12 - C24)	ND		mg/Kg	NWTPH-Dx		6.25000		MB	
	HEAVIER OILS (>C24)	ND		mg/Kg	NWTPH-Dx		10.0000(			
	O-TERPHENYL	105		%	NWTPH-Dx		0.00000			
GXS_101122	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 10-17665
	d8-TOLUENE (Surr)	106		%	8260B					TB 10-17665
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 10-17665
	GAS Range Organics	ND		mg/Kg	8260B		5.00000			TB 10-17665
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 10-17665
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 10-17665

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101202B	LEAD	0.98	1	mg/L	6010B	98	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE DEPENDENT QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-17665
Report Date: 12/6/2010

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101202B										
	39518	LEAD	19.8	22.2	mg/Kg	11.4	0-45		DUP	
DXS_101123										
	39628	O-TERPHENYL	91	85	%	6.8	0-50		DUP	
GXS_101122										
	39628	BENZENE	1	1	mg/Kg	0.0	0-50		DUP	
	39628	TOLUENE	0.3	0.4J	mg/Kg	28.6	0-50		DUP	
	39628	ETHYLBENZENE	21.9	20	mg/Kg	9.1	0-50		DUP	
	39628	TOTAL XYLENES	44.5	46.4	mg/Kg	4.2	0-50		DUP	
	39628	GAS Range Organics	2650	2470	mg/Kg	7.0	0-50		DUP	
	39628	d8-TOLUENE (Surr)	101	102	%	1.0			DUP	
TS_101122										
	39877	TOTAL SOLIDS	83.2	85.8	%	3.1	0-45		DUP	
	39947	TOTAL SOLIDS	66.4	66.0	%	0.6	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-17665
Report Date: 12/6/2010

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101202B															
	39518	LEAD	19.8	144	148	120	mg/Kg	104	107	70-130	3.2	0-50		LFM	
GXS_101122															
	39947	BENZENE	ND	0.93		1	mg/Kg	93	NA	70-130	NA	0-60		LFM	
	39947	TOLUENE	ND	0.84		1	mg/Kg	84	NA	70-130	NA	0-60		LFM	
	39947	ETHYLBENZENE	ND	0.98		1	mg/Kg	98	NA	70-130	NA	0-60		LFM	
	39947	TOTAL XYLENES	ND	3.11		3	mg/Kg	104	NA	70-130	NA	0-60		LFM	
	39947	d8-TOLUENE (Surr)	101	103			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Qualifier Definitions

Reference Number: 10-17665
Report Date: 12/06/10

Qualifier	Definition
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

12203

EDGE ANALYTICAL LABORATORIES
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Report to: NW HydroGeo Consultants	Bill to: Scott McKnight General Manager CONWAY FEED	For Lab Use Only	
Mailing Address: 1941 Lake Whatcom Blvd B3 #113	Address: 18700 MAIN STREET	Ref # 10-17665	
City: Bellingham St: WA Zip: 98229	City: CONWAY St: WA Zip: 98238	Check Regulatory Program	
Attn: Doug Dillenberger	Phone: 360 445-5211 FAX:	☐ Safe Drinking Water Act	
Phone: 360 734-4955 FAX: 734-7689	P.O.# Attn	☐ Clean Water Act	
Email: joyce@datalinkwest.com	☐ Visa ☐ M/C ☐ A/E Expires: /	☐ RCRA / CERCLA	
Project: 2K1001	Card#	■ Other	

Instructions

Use one line per sample Location.
Be specific in analysis requests.
(NEW) List each metal individually (NEW)
Check off analyses to be performed for each sample Loaction.
Enter number of containers.

Turn Around Time Required
- ■ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	5035 (Soil)	NWTPH-G BTEX	PCB	TS / DX	NWTPH-HCID DX				Number of Containers	Special Instructions Conditions on Receipt
A		GRAB	SOIL	11/8/10	11:45	✓	✓	✓	✓						
B		GRAB	SOIL	11/8/10	12:00	✓	✓	✓	✓						
C		GRAB	SOIL	"		✓	✓	✓	✓						
D		GRAB	SOIL	"		✓	✓	✓	✓						
E		GRAB	OTHER	11/8/10		✓	✓	✓	✓	✓					

10-17665
39628 - 39629

CO012203

Sampled by: Phone: FAX: Email: Total Containers:

Sample Receipt Request (Must include FAX or Email) ☐

* W - water SW - surface water WW - waste water OL - oil
DW - drinking water GW - Ground water S - soil Other_____

Relinquished by	Date	Time	Received by	Date	Time
	11-10-10	1226			
				11/10	1225

	Yes	No	N/A
Custody seals intact	WT	☐	☐
Sample temp 9.5 C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

FORM: COC 01-06-2009

2/2 11-16-2010 09:45:13 a.m. 13604347689

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503.682.7802

December 6, 2010

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-17665 - 2K1001

Dear Mr. Doug Dillenberger,

Your project: 2K1001, was received on Thursday November 18, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 10-17665
Project: 2K1001
Report Date: 11/29/10
Date Received: 11/18/10
Peer Review:

Sample Description: A - 2K1001
Lab Number: 39628
Date 11/29/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	1		2	0.03	0.050	-	mg/Kg	8260B/5035A	GXS_101122	
TOLUENE	0.3	J	2	7.0	0.20	-	mg/Kg	8260B/5035A	GXS_101122	
ETHYLBENZENE	21.9		2	6.0	0.20	-	mg/Kg	8260B/5035A	GXS_101122	
TOTAL XYLENES	44.5		2	9.0	0.40	-	mg/Kg	8260B/5035A	GXS_101122	
GAS Range Organics	2650		2	100/30*	50	-	mg/Kg	8260B/5035A	GXS_101122	

Sample Description: B - SK1001
Lab Number: 39629
Date 11/29/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	-	mg/Kg	8260B/5035A	GXS_101122	
TOLUENE	ND		1	7.0	0.10	-	mg/Kg	8260B/5035A	GXS_101122	
ETHYLBENZENE	ND		1	6.0	0.10	-	mg/Kg	8260B/5035A	GXS_101122	
TOTAL XYLENES	1.1		1	9.0	0.20	-	mg/Kg	8260B/5035A	GXS_101122	
GAS Range Organics	90.5		1	100/30*	25	-	mg/Kg	8260B/5035A	GXS_101122	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 10-17665
Project: 2K1001
Report Date: 11/29/10
Date Received: 11/18/10
Peer Review:

Sample Description: A - 2K1001
Lab Number: 39628
Date 11/23/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101123	Lab DUP: ND
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101123	Lab DUP: ND

Sample Description: B - SK1001
Lab Number: 39629
Date 11/23/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101123	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101123	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

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Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 10-17665
Project: 2K1001

Report Date: 12/6/10
Date Received: 11/18/10
Reviewed by:

Sample Description: A - 2K1001
Lab Number: 39628
Sample Date: 11/18/10
Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10151	TOTAL SOLIDS	62.0	0.1000	0.1000		%	1.00	SM2540 G	11/22/10	SRF	TS_101122	
7439-92-1	LEAD	6.32	1.28	1.28		mg/Kg	1.00	6010B/3051	12/2/10	BJ	6010B-101202B	

Sample Description: B - 2K1001
Lab Number: 39629
Sample Date: 11/18/10
Collected By: Unknown

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
E-10151	TOTAL SOLIDS	48.2	0.1000	0.1000		%	1.00	SM2540 G	11/22/10	SRF	TS_101122	
7439-92-1	LEAD	19.0	1.96	1.96		mg/Kg	1.00	6010B/3051	12/2/10	BJ	6010B-101202B	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

Form: cRslt_2.rpt

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17665**
Project: **2K1001**
Report Date: **11/29/10**
Date Received: **11/18/10**
Peer Review:

Sample Description: A - 2K1001
Lab Number: 39628
Date 11/22/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: SRF

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
TOTAL SOLIDS	62.0		1		0.1000		%	SM2540 G	TS_101122	

Sample Description: B - SK1001
Lab Number: 39629
Date 11/22/10

Sample Date: 11/18/10
Collected By: Unknown
Analyzed By: SRF

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
TOTAL SOLIDS	48.2		1		0.1000		%	SM2540 G	TS_101122	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101202B	LEAD	0.93	1	mg/L	6010B	93	70-130		LFB	
DXS_101123	DIESEL (C12 - C24)	129	125	mg/Kg	NWTPH-Dx	103	80-120		LFB	
	O-TERPHENYL	103		%	NWTPH-Dx		70-130			
GXS_101122	BENZENE	1.0	1	mg/Kg	8260B	100	70-130		LFB	
	d8-TOLUENE (Surr)	111		%	8260B					
	ETHYLBENZENE	1.1	1	mg/Kg	8260B	110	70-130			
	GAS Range Organics	202	250	mg/Kg	8260B	81	70-130			
	TOLUENE	1.1	1	mg/Kg	8260B	110	70-130			
	TOTAL XYLENES	2.9	3	mg/Kg	8260B	97	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101202B	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-101202B	LEAD	ND		mg/L	6010B		3.12000		MB	
DXS_101123	DIESEL (C12 - C24)	ND		mg/Kg	NWTPH-Dx		6.25000		MB	
	HEAVIER OILS (>C24)	ND		mg/Kg	NWTPH-Dx		10.0000(			
	O-TERPHENYL	105		%	NWTPH-Dx		0.00000			
GXS_101122	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 10-17665
	d8-TOLUENE (Surr)	106		%	8260B					TB 10-17665
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 10-17665
	GAS Range Organics	ND		mg/Kg	8260B		5.00000			TB 10-17665
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 10-17665
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 10-17665

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-17665
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101202B	LEAD	0.98	1	mg/L	6010B	98	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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FORM: QC Independent

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-17665
Report Date: 12/6/2010

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101202B										
	39518	LEAD	19.8	22.2	mg/Kg	11.4	0-45		DUP	
DXS_101123										
	39628	O-TERPHENYL	91	85	%	6.8	0-50		DUP	
GXS_101122										
	39628	BENZENE	1	1	mg/Kg	0.0	0-50		DUP	
	39628	TOLUENE	0.3	0.4J	mg/Kg	28.6	0-50		DUP	
	39628	ETHYLBENZENE	21.9	20	mg/Kg	9.1	0-50		DUP	
	39628	TOTAL XYLENES	44.5	46.4	mg/Kg	4.2	0-50		DUP	
	39628	GAS Range Organics	2650	2470	mg/Kg	7.0	0-50		DUP	
	39628	d8-TOLUENE (Surr)	101	102	%	1.0			DUP	
TS_101122										
	39877	TOTAL SOLIDS	83.2	85.8	%	3.1	0-45		DUP	
	39947	TOTAL SOLIDS	66.4	66.0	%	0.6	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-17665
Report Date: 12/6/2010

EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	%RPD Limits	QC Qualifier	Type	Comments
6010B-101202B															
	39518	LEAD	19.8	144	148	120	mg/Kg	104	107	70-130	3.2	0-50		LFM	
GXS_101122															
	39947	BENZENE	ND	0.93		1	mg/Kg	93	NA	70-130	NA	0-60		LFM	
	39947	TOLUENE	ND	0.84		1	mg/Kg	84	NA	70-130	NA	0-60		LFM	
	39947	ETHYLBENZENE	ND	0.98		1	mg/Kg	98	NA	70-130	NA	0-60		LFM	
	39947	TOTAL XYLENES	ND	3.11		3	mg/Kg	104	NA	70-130	NA	0-60		LFM	
	39947	d8-TOLUENE (Surr)	101	103			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-17665
Report Date: 12/6/2010

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101202B										
	39518	LEAD	19.8	22.2	mg/Kg	11.4	0-45		DUP	
DXS_101123										
	39628	O-TERPHENYL	91	85	%	6.8	0-50		DUP	
GXS_101122										
	39628	BENZENE	1	1	mg/Kg	0.0	0-50		DUP	
	39628	TOLUENE	0.3	0.4J	mg/Kg	28.6	0-50		DUP	
	39628	ETHYLBENZENE	21.9	20	mg/Kg	9.1	0-50		DUP	
	39628	TOTAL XYLENES	44.5	46.4	mg/Kg	4.2	0-50		DUP	
	39628	GAS Range Organics	2650	2470	mg/Kg	7.0	0-50		DUP	
	39628	d8-TOLUENE (Surr)	101	102	%	1.0			DUP	
TS_101122										
	39877	TOTAL SOLIDS	83.2	85.8	%	3.1	0-45		DUP	
	39947	TOTAL SOLIDS	66.4	66.0	%	0.6	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-17665
Report Date: 12/6/2010

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101202B															
	39518	LEAD	19.8	144	148	120	mg/Kg	**104**	**107**	70-130	**3.2**	0-50		LFM	
GXS_101122															
	39947	BENZENE	ND	0.93		1	mg/Kg	**93**	**NA**	70-130	**NA**	0-60		LFM	
	39947	TOLUENE	ND	0.84		1	mg/Kg	**84**	**NA**	70-130	**NA**	0-60		LFM	
	39947	ETHYLBENZENE	ND	0.98		1	mg/Kg	**98**	**NA**	70-130	**NA**	0-60		LFM	
	39947	TOTAL XYLENES	ND	3.11		3	mg/Kg	**104**	**NA**	70-130	**NA**	0-60		LFM	
	39947	d8-TOLUENE (Surr)	101	103			%		**NA**		**NA**			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-17665
Report Date: 11/29/10

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
DXS_101123						
39628	O-TERPHENYL	91		%	NWTPH-Dx	
GXS_101122						
39628	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range: 50-150%
DXS_101123						
39629	O-TERPHENYL	101		%	NWTPH-Dx	
GXS_101122						
39629	d8-TOLUENE (Surr)	102		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Page 1 of 1

Chain of Custody / Analysis Request (Please complete all applicable shaded sections)

12203

Report to: NW HydroGeo Consultants	Bill to: Scott McKnight Conwal Inc		For Lab Use Only
Mailing Address: 1941 Lake Whatcom Blvd B3 #113	Address: 18700 Main Street		Ref # 10-17665
City: Bellingham St: WA Zip: 98229	City: Conwal St: WA Zip: 98236		Check Regulatory Program
Attn: Doug Dillenberger	Phone: 360 445-5011 FAX:		☐ Safe Drinking Water Act
Phone: 360 734-4955 FAX: 734-7689	P.O.# Attn:		☐ Clean Water Act
Email: joyce@datalinkwest.com	☐ Visa ☐ M/C ☐ A/E Expires /		☐ RCRA / CERCLA
Project: 2K1001	Card#:		■ Other

EDGE ANALYTICAL LABORATORIES
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions

Use one line per sample Location.
Be specific in analysis requests.
(NEW) List each metal individually (NEW)
Check off analyses to be performed for each sample Location.
Enter number of containers.

Turn Around Time Required
- ■ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

Analyses Requested

Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	503-Soil	NWTPH-GHBTEX	Pb	TS/DX	NWTPH-HCID DX				Number of Containers	Special Instructions Conditions on Receipt
A		GRAB	SOIL	11/18/10	11:45	✓	✓	✓	✓						
B		GRAB	SOIL	11/18/10	12:20	✓	✓	✓	✓						
C		GRAB	SOIL	11/		✓	✓	✓	✓						
D		GRAB	SOIL	11/		✓	✓	✓	✓						
E		GRAB	WATER	11/											
F		GRAB	WATER	11/		✓	✓	✓	✓	✓					

CO012203

10-17665
39628 - 39629

Sampled by: Phone: FAX: Email: Total Containers

Sample Receipt Request (Must include FAX or Email) ☐

* W - water SW - surface water WW - waste water OL - oil
DW - drinking water GW - Ground water S - soil Other

Relinquished by	Date	Time	Received by	Date	Time
	11-18-10	12:20			
				11/18/10	12:20

	Yes	No	N/A
Custody seals intact	WT	☐	☐
Sample temp 9.5 C satisfactory	☐	☐	☐
Samples received intact	☐	☐	
Chain of custody & labels agree	☐	☐	

FORM: COC 01-06-2009

2/2 11-16-2010 09:45:13 a.m. 13604347689

Soil Samples Collected on November 22, 2010
Sample Location C

Soil Samples Collected on November 29, 2010
Sample Locations D, E, F, G and H

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503.682.7602

RECEIVED
DEC 0 6 2010

December 6, 2010

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-17919 - Conway Feed 2K1001

Dear Mr. Doug Dillenberger,

Your project: Conway Feed 2K1001, was received on Monday November 29, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

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503.682.7802

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17919**
Project: Conway Feed 2K1001

Report Date: 12/6/10
Date Received: 11/29/10
Reviewed by:

Sample Description: Floor I - Pit (NE Cor)
Lab Number: 40212

Sample Date: 11/29/10 2:20 pm
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	2.07	1.00		mg/Kg	1.0	6010B/3051	12/3/10	BJ	6010B-1012038	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cResult.rpt

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 10-17919
Project: Conway Feed 2K1001
Report Date: 12/2/10
Date Received: 11/29/10
Peer Review:

Sample Description: Floor I - Pit (NE Cor)
Lab Number: 40212
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17919**
Project: Conway Feed 2K1001
Report Date: 12/6/10
Date Received: 11/29/10
Peer Review:

Sample Description: Floor I - Pit (NE Cor)
Lab Number: 40212
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-17919
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.93	1	mg/L	6010B	93	70-130		LFB	
DXS_101130	DIESEL (C12 - C24)	115	125	mg/Kg	NWTPH-Dx	92	80-120		LFB	
	O-TERPHENYL	111		%	NWTPH-Dx		70-130			
GXS_101130	BENZENE	0.99	1	mg/Kg	8260B	99	70-130		LFB	
	d8-TOLUENE (Surr)	106		%	8260B					
	ETHYLBENZENE	0.96	1	mg/Kg	8260B	96	70-130			
	GAS Range Organics	277	250	mg/Kg	8260B	111	70-130			
	TOLUENE	0.93	1	mg/Kg	8260B	93	70-130			
	TOTAL XYLENES	2.69	3	mg/Kg	8260B	90	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-17919
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-17919
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		3.12000		MB	
DXS_101130	DIESEL (C12 - C24)	ND		mg/Kg	NWTPH-Dx		6.25000		MB	
	HEAVIER OILS (>C24)	ND		mg/Kg	NWTPH-Dx		10.00000			
	O-TERPHENYL	96		%	NWTPH-Dx		0.00000			
GXS_101130	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 10-17908
	d8-TOLUENE (Surr)	103		%	8260B					TB 10-17908
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	GAS Range Organics	ND		mg/Kg	8260B		5.00000			TB 10-17908
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 10-17908

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-17919
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.97	1	mg/L	6010B	97	70-130		QCS	
GXS_101130	BENZENE	10.9	10.6	mg/Kg	8260B	103	70-130		QCS	
	d8-TOLUENE (Surr)	94		%	8260B					
	ETHYLBENZENE	6.9	7.1	mg/Kg	8260B	97	70-130			
	GAS Range Organics	541	398	mg/Kg	8260B	136	70-130			
	TOLUENE	33.1	35.2	mg/Kg	8260B	94	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-17919
Report Date: 12/6/2010

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101203B										
	40338	LEAD	8.28	7.99	mg/Kg	3.6	0-45		DUP	
DXS_101130										
	39878	DIESEL (C12 - C24)	60400	58200	mg/Kg	3.7	0-50		DUP	
	39878	O-TERPHENYL	65	127	%	64.6	0-50		DUP	
GXS_101130										
	38211	BENZENE	26.1	26.5	ug/Kg	1.5	0-50		DUP	
	38211	TOLUENE	87.2	83.1E	ug/Kg	4.8	0-50		DUP	
	38211	ETHYLBENZENE	16.7	16.6	ug/Kg	0.6	0-50		DUP	
	38211	TOTAL XYLENES	90.4	87.3	ug/Kg	3.5	0-50		DUP	
	38211	GAS Range Organics	1120	1390	ug/Kg	21.5	0-50		DUP	
	38211	d8-TOLUENE (Surr)	102	102	%	0.0			DUP	
ts_101130										
	40338	TOTAL SOLIDS FOR CALCULATION	76.09	76.34	%	0.3	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-17919
Report Date: 12/6/2010

EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	%RPD Limits	QC Qualifier	Type	Comments
6010B-101203B															
	40338	LEAD	8.28	110	115	98.8	mg/Kg	**103**	**108**	70-130	**4.8**	0-50		LFM	
GXS_101130															
	40191	BENZENE	ND	0.99		1	mg/Kg	**99**	**NA**	70-130	**NA**	0-60		LFM	
	40191	TOLUENE	ND	0.92		1	mg/Kg	**92**	**NA**	70-130	**NA**	0-60		LFM	
	40191	ETHYLBENZENE	ND	0.76		1	mg/Kg	**76**	**NA**	70-130	**NA**	0-60		LFM	
	40191	TOTAL XYLENES	ND	2.74		3	mg/Kg	**91**	**NA**	70-130	**NA**	0-60		LFM	
	40191	d8-TOLUENE (Surr)	95	106			%		**NA**		**NA**			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

EDGE ANALYTICAL LABORATORIES

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-17919
Report Date: 12/06/10

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
DXS_101130 40212	O-TERPHENYL	104		%	NWTPH-Dx	
GXS_101130 40212	d8-TOLUENE (Surr)	103		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE 1 OF 1

REPORT TO: NW HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT General Manager CONWAY FEED	FOR LAB USE ONLY
ADDRESS: 1941 W WHATCOM BLVD • B-3 #113	ADDRESS: 18700 MAIN STREET	REF# 10-17919
CITY: BELLINGHAM STATE: WA 98229	CITY: CONWAY STATE: WA ZIP: 98238	CHECK REGULATORY PROGRAM
ATTN: DOUG DILLENBERGER	PHONE: 360.445-5211 FAX:	☐ SAFE DRINKING WATER ACT
PHONE: 360 734-4955 FAX: 360 734-7689	P.O.#: ATTN:	☐ CLEAN WATER ACT
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /	☐ RCRA / CERCLA
PROJECT NAME: CONWAY FEED 2K1001	CARD#	■ OTHER

CASCADE ANALYTICAL LABORATORIES

Corporate
1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ☐ STANDARD
- ☐ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	SAMPLE MATRIX*	DATE	TIME	5035 SOIL	NWTPH-G-BTEX	TS / DX	NWTPH-Dx/Dx EXT	Pb			NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	Floor I	PIT (NE cor)		SOIL	11/29/10	2:20	☐	☒	☐	☒	☒	☐	☐		
2							☐	☐	☐	☐	☐	☐	☐		
3											☐	☐	☐		Same analysis as prev. jobs 11/15
4											☐	☐	☐		
5											☐	☐	☐		
6											☐	☐	☐		
7											☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		Client wanted 1/2 time per conversation when receiving 1st batch emailed. HH
10							☐	☐	☐	☐	☐	☐	☐		

10-17919
40212

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: 734-7689 EMAIL: joyce@datalinkwest.com

TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☑ *W-WATER DW-DRINKING WATER SW-SURFACE WATER GW-GROUND WATER WW-WASTE WATER S-SOIL OL-OIL OTHER

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Doug Dillenberger	11/29/10	1449			
			Cascade	11/30/10	1450

	Yes	No	N/A
CUSTODY SEALS INTACT	☐	☐	☑
SAMPLE TEMP 7.5 °C SATISFACTORY	☑	☐	☐
SAMPLES RECEIVED INTACT	☑	☐	
CHAIN OF CUSTODY & LABELS AGREE	☑	☐	

FORM COC 01-06-2009

EDGE ANALYTICAL LABORATORIES

Burlington WA 1620 S Walnut St - 98233
Corporate Office 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA 805 Orchard Dr Suite 4 - 98225
Microbiology 360.671.0688 • 360.671.1577fax

November 29, 2010

Sample Receipt

Mr. Scott McKnight
NW HydroGeo Consultants
18700 Main Street
Conway, WA 98038

FAX Number: 360-734-7689

Mr. Doug Dillenberger

Dear Scott,

We received the following samples for project "**Conway Feed 2K1001**" on **11/29/2010** at **2:50 pm**. This project is expected to be completed by **December 06, 2010.** The temperature of the sample cooler was **7.5C**. If you have any questions concerning this project please refer to reference number **10-17919**.

LAB NUMBER	CLIENT SAMPLE ID#	Date Sampled	Sampled By	Status	COMMENTS
40212	Floor I/Pit (NE Cor)	11/29/10 2:20 p	Doug Dillenberger	Pending	

ADDITIONAL COMMENTS:

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE 1 OF 1

REPORT TO: NW HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT General Manager CONWAY FEED
ADDRESS: 1941 LK WHATCOM BLVD. B-3 #113	ADDRESS: 18700 MAIN STREET
CITY: BELLINGHAM STATE: WA 98229	CITY: CONWAY STATE: WA ZIP: 98238
ATTN: DOUG DILLENBERGER	PHONE: 360.445-5211 FAX:
PHONE: 360 734-4955 FAX: 360 734-7689	P.O.#: ATTN:
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME: CONWAY FEED 2K1001	CARD#

FOR LAB USE ONLY

REF# 10-17908

CHECK REGULATORY PROGRAM

- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ■ OTHER

ANALYTICAL LABORATORIES

Corporate
1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED

- ☐ STANDARD
- ☒ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

RECEIVED
NOV 30 2010

	SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE MATRIX*	DATE	TIME	5035 soil	NWTPH-Gx - BTEX	TS/Dx	NWTPH-HCID/Dx	Pb			NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	D	WEST Floor	✓	SOIL	10/29	12:00	☐	☑	☐	☑	☑	☐	☐		
2	E	EAST Floor	✓	SOIL	10/29	12:30	☐	☑	☐	☑	☑	☐	☐		
3	F	East Wall	✓	SOIL	10/29	12:35	☐	☑	☐	☑	☑	☐	☐		
4	G	NW Wall	✓	SOIL	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
5	H	NW Floor	✓	SOIL	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
6							☐	☐	☐	☐	☐				
7							☐	☐	☐	☐	☐				
8							☐	☐	☐	☐	☐				
9							☐	☐	☐	☐	☐				
10							☐	☐	☐	☐	☐				

10-17908
40191 - 40195

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: 734-7689 EMAIL: joyce@datalinkwest.com ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☑ *W-WATER DW-DRINKING WATER SW-SURFACE WATER GW-GROUND WATER WW-WASTE WATER S-SOIL OL-OIL OTHER_____

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Doug Dillenberger	11-29-10	9:44		11/29/10	1345

	YES	NO	N/A
CUSTODY SEALS INTACT (WT) ONLY	☐	☐	☑
SAMPLE TEMP 8.1 °C SATISFACTORY	☐	☐	☐
SAMPLES RECEIVED INTACT	☑	☐	
CHAIN OF CUSTODY & LABELS AGREE	☑	☐	

FORM: COC.01-06-2009

EDGE ANALYTICAL LABORATORIES

Burlington WA 1620 S Walnut St - 98233
Corporate Office 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA 805 Orchard Dr Suite 4 - 98225
Microbiology 360.671.0688 • 360.671.1577fax

November 29, 2010

Sample Receipt

Mr. Scott McKnight
NW HydroGeo Consultants
18700 Main Street
Conway, WA 98038

FAX Number: 360-734-7689

Mr. Doug Dillenberger

Dear Scott,

We received the following samples for project "**Conway Feed 2K1001**" on **11/29/2010** at **1:45 pm**. This project is expected to be completed by **December 06, 2010.** The temperature of the sample cooler was **8.1C**. If you have any questions concerning this project please refer to reference number **10-17908**.

LAB NUMBER	CLIENT SAMPLE ID#	Date Sampled	Sampled By	Status	COMMENTS
40191	D/West Floor	11/29/10 12:00	Doug Dillenberger	Pending	
40192	E/East Floor	11/29/10 12:30	Doug Dillenberger	Pending	
40193	F/East Wall	11/29/10 12:35	Doug Dillenberger	Pending	
40194	G/NW Well	11/29/10 1:00 p	Doug Dillenberger	Pending	
40195	H/NW Floor	11/29/10 1:00 p	Doug Dillenberger	Pending	

ADDITIONAL COMMENTS:

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE 1 OF 1

REPORT TO: NW HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT General Manager CONWAY FEED
ADDRESS: 1941 W WHATCOM BLVD • B-3 #113	ADDRESS: 18700 MAIN STREET
CITY: BELLINGHAM STATE: WA 98229	CITY: CONWAY STATE: WA ZIP: 98238
ATTN: DOUG DILLENBERGER	PHONE: 360.445-5211 FAX:
PHONE: 360 734-4955 FAX: 360 734-7689	P.O.#: ATTN:
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME: CONWAY FEED 2K1001	CARD#

FOR LAB USE ONLY
REF# 10-17919

CHECK REGULATORY PROGRAM
- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ■ OTHER

ENCO ANALYTICAL LABORATORIES

Corporate
1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

ISTRUCTIONS
1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ☐ STANDARD
- ☐ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	SAMPLE MATRIX*	DATE	TIME	5035 SOIL	NWTPH-G/ BTEX	TS / DX	NWTPH-HCID/Dx	Pb			NUMBER OF CONTAINERS
1	Floor I	PIT (NE COR)		SOIL	11/29/10	2:20	☐	☒	☐	☒	☒	☐	☐	
2							☐	☐	☐	☐	☐	☐	☐	
3														
4														
5														
6														
7														
8														
9														
10														

10-17919
40212

RECEIVED
NOV 30 2010

SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT

Same analysis as prev. jobs 11/15

Client wanted 1/2 Time per conversation when receiving 1st batch emailed. HH

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: 734-7689 EMAIL: joyce@datalinkwest.com

◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☑

*W- WATER DW- DRINKING WATER SW- SURFACE WATER GW- GROUND WATER WW- WASTE WATER S- SOIL OL- OIL OTHER_____

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	11/29/10	1449			
				11/29/10	1450

	YES	NO	N/A
CUSTODY SEALS INTACT	☐	☐	☑
SAMPLE TEMP 15 °C SATISFACTORY	☑	☐	☐
SAMPLES RECEIVED INTACT	☑	☐	
CHAIN OF CUSTODY & LABELS AGREE	☑	☐	

FORM COC 01-06-2009

EDGE ANALYTICAL LABORATORIES

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Corporate Office
1620 S Walnut St - 98233
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Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

December 6, 2010

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-17908 - Conway Feed 2K1001

Dear Mr. Doug Dillenberger,

Your project: Conway Feed 2K1001, was received on Monday November 29, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

EDGE ANALYTICAL LABORATORIES

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360.671.0688

Portland OR
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9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17908**
Project: Conway Feed 2K1001
Report Date: 12/2/10
Date Received: 11/29/10
Peer Review:

Sample Description: D - West Floor
Lab Number: 40191
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.01	mg/Kg	8260B/5030B	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.01	mg/Kg	8260B/5030B	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.01	mg/Kg	8260B/5030B	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.01	mg/Kg	8260B/5030B	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: E - East Floor
Lab Number: 40192
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: F - East Wall
Lab Number: 40193
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

Reference Number: 10-17908
Report Date: 12/2/10

Hydrocarbon Data Report

Sample Description: G - NW Well
Lab Number: 40194
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: H - NW Floor
Lab Number: 40195
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

EDGE ANALYTICAL LABORATORIES

Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0888

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 10-17908
Project: Conway Feed 2K1001
Report Date: 12/6/10
Date Received: 11/29/10
Peer Review:

Sample Description: D - West Floor
Lab Number: 40191
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: E - East Floor
Lab Number: 40192
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: F - East Wall
Lab Number: 40193
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: G - NW Well
Lab Number: 40194
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

Reference Number: 10-17908
Report Date: 12/6/10

Hydrocarbon Data Report

Sample Description: H - NW Floor
Lab Number: 40195
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

EDGE ANALYTICAL LABORATORIES

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Microbiology
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Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17908**
Project: Conway Feed 2K1001

Report Date: 12/6/10
Date Received: 11/29/10
Reviewed by:

Sample Description: D - West Floor
Lab Number: 40191
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	3.77	1.12	1.12		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: E - East Floor
Lab Number: 40192
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	3.14	1.19	1.19		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: F - East Wall
Lab Number: 40193
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	4.96	1.11	1.11		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: G - NW Well
Lab Number: 40194
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	5.32	1.22	1.22		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: H - NW Floor
Lab Number: 40195
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	5.83	1.22	1.22		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

EDGE ANALYTICAL LABORATORIES

Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7602

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.93	1	mg/L	6010B	93	70-130		LFB	
DXS_101130	DIESEL (C12 - C24)	115	125	mg/Kg	NWTPH-Dx	92	80-120		LFB	
	O-TERPHENYL	111		%	NWTPH-Dx		70-130			
GXS_101130	BENZENE	0.99	1	mg/Kg	8260B	99	70-130		LFB	
	d8-TOLUENE (Surr)	106		%	8260B					
	ETHYLBENZENE	0.96	1	mg/Kg	8260B	96	70-130			
	GAS Range Organics	277	250	mg/Kg	8260B	111	70-130			
	TOLUENE	0.93	1	mg/Kg	8260B	93	70-130			
	TOTAL XYLENES	2.69	3	mg/Kg	8260B	90	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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503.682.7602

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		3.12000		MB	
DXS_101130	DIESEL (C12 - C24)	ND		mg/Kg	NWTPH-Dx		6.25000		MB	
	HEAVIER OILS (>C24)	ND		mg/Kg	NWTPH-Dx		10.0000(			
	O-TERPHENYL	96		%	NWTPH-Dx		0.00000			
GXS_101130	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 10-17908
	d8-TOLUENE (Surr)	103		%	8260B					TB 10-17908
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	GAS Range Organics	ND		mg/Kg	8260B		5.00000			TB 10-17908
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 10-17908

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

FORM: QC Independent

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.97	1	mg/L	6010B	97	70-130		QCS	
GXS_101130	BENZENE	10.9	10.6	mg/Kg	8260B	103	70-130		QCS	
	d8-TOLUENE (Surr)	94		%	8260B					
	ETHYLBENZENE	6.9	7.1	mg/Kg	8260B	97	70-130			
	GAS Range Organics	541	398	mg/Kg	8260B	136	70-130			
	TOLUENE	33.1	35.2	mg/Kg	8260B	94	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-17908
Report Date: 12/6/2010

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101203B										
	40338	LEAD	8.28	7.99	mg/Kg	3.6	0-45		DUP	
DXS_101130										
	39878	DIESEL (C12 - C24)	60400	58200	mg/Kg	3.7	0-50		DUP	
	39878	O-TERPHENYL	65	127	%	64.6	0-50		DUP	
GXS_101130										
	38211	BENZENE	26.1	26.5	ug/Kg	1.5	0-50		DUP	
	38211	TOLUENE	87.2	83.1E	ug/Kg	4.8	0-50		DUP	
	38211	ETHYLBENZENE	16.7	16.6	ug/Kg	0.6	0-50		DUP	
	38211	TOTAL XYLENES	90.4	87.3	ug/Kg	3.5	0-50		DUP	
	38211	GAS Range Organics	1120	1390	ug/Kg	21.5	0-50		DUP	
	38211	d8-TOLUENE (Surr)	102	102	%	0.0			DUP	
ts_101130										
	40338	TOTAL SOLIDS FOR CALCULATION	76.09	76.34	%	0.3	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-17908
Report Date: 12/6/2010

EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101203B															
	40338	LEAD	8.28	110	115	98.8	mg/Kg	103	108	70-130	4.8	0-50		LFM	
GXS_101130															
	40191	BENZENE	ND	0.99		1	mg/Kg	99	NA	70-130	NA	0-60		LFM	
	40191	TOLUENE	ND	0.92		1	mg/Kg	92	NA	70-130	NA	0-60		LFM	
	40191	ETHYLBENZENE	ND	0.76		1	mg/Kg	76	NA	70-130	NA	0-60		LFM	
	40191	TOTAL XYLENES	ND	2.74		3	mg/Kg	91	NA	70-130	NA	0-60		LFM	
	40191	d8-TOLUENE (Surr)	95	106			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-17908
Report Date: 12/06/10

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
DXS_101130 40191	O-TERPHENYL	90		%	NWTPH-Dx	
GXS_101130 40191	d8-TOLUENE (Surr)	95		%	8260B	Acceptance Range: 50-150%
DXS_101130 40192	O-TERPHENYL	88		%	NWTPH-Dx	
GXS_101130 40192	d8-TOLUENE (Surr)	97		%	8260B	Acceptance Range: 50-150%
DXS_101130 40193	O-TERPHENYL	103		%	NWTPH-Dx	
GXS_101130 40193	d8-TOLUENE (Surr)	99		%	8260B	Acceptance Range: 50-150%
DXS_101130 40194	O-TERPHENYL	92		%	NWTPH-Dx	
GXS_101130 40194	d8-TOLUENE (Surr)	107		%	8260B	Acceptance Range: 50-150%
DXS_101130 40195	O-TERPHENYL	101		%	NWTPH-Dx	
GXS_101130 40195	d8-TOLUENE (Surr)	96		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE 1 OF 1

REPORT TO: NW HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT General Manager CONWAY FEED
ADDRESS: 1941 W WHATCOM BLVD. B-3 #113	ADDRESS: 18700 MAIN STREET
CITY: BELLINGHAM STATE: WA 98229	CITY: CONWAY STATE: WA ZIP: 98238
ATTN: DOUG DILLENBERGER	PHONE: 360.445-5211 FAX:
PHONE: 360 734-4955 FAX: 360 734-7689	P.O.#: ATTN:
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME: CONWAY FEED 2K1001	CARD#

FOR LAB USE ONLY

REF# 10-17908

CHECK REGULATORY PROGRAM

- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ■ OTHER

ANALYTICAL LABORATORIES

Corporate
1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED

- ☐ STANDARD
- ☒ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE MATRIX*	DATE	TIME	5035 SOIL	NWTPH/G-BTEX	TCLP Dx	NWTPH-HCID/Dx	Pb			NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	D	West Floor	✓	SOIL	10/29	12:00	☐	☑	☐	☑	☑	☐	☐		
2	E	East Floor	✓	SOIL	10/29	12:30	☐	☑	☐	☑	☑	☐	☐		Dodie Shandy
3	F	East Wall	✓	SOIL	10/29	12:35	☐	☑	☐	☑	☑	☐	☐		be 11/29 HH
4	G	NW Wall	✓	SOIL	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
5	H	NW Floor	✓	SOIL	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
6							☐	☐	☐	☐	☐				
7							☐	☐	☐	☐	☐				
8							☐	☐	☐	☐	☐				
9							☐	☐	☐	☐	☐				
10							☐	☐	☐	☐	☐				

10-17908
40191 - 40195

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: 734-7689 EMAIL: joyce@datalinkwest.com ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☑ *W-WATER DW-DRINKING WATER SW-SURFACE WATER GW-GROUND WATER WW-WASTE WATER S-SOIL OL-OIL OTHER

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Doug Dillenberger	11-29-10	9:45	[illegible]	11/29/10	1345

	YES	NO	N/A
CUSTODY SEALS INTACT (W) ONLY	☐	☐	☑
SAMPLE TEMP 8.1 °C SATISFACTORY	☐	☐	☐
SAMPLES RECEIVED INTACT	☑	☐	
CHAIN OF CUSTODY & LABELS AGREE	☑	☐	

FORM COC 01-06-2009

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Bellingham WA 805 Orchard Dr Suite 4 98225
Microbiology 360.671.0688 • 360.671.1577fax

November 29, 2010

Sample Receipt

Mr. Scott McKnight
NW HydroGeo Consultants
18700 Main Street
Conway, WA 98038

FAX Number: 360-734-7689

Mr. Doug Dillenberger

Dear Scott,

We received the following samples for project **"Conway Feed 2K1001"** on **11/29/2010** at **1:45 pm**. This project is expected to be completed by **December 06, 2010.** The temperature of the sample cooler was **8.1C**. If you have any questions concerning this project please refer to reference number **10-17908**.

LAB NUMBER	CLIENT SAMPLE ID#	Date Sampled	Sampled By	Status	COMMENTS
40191	D/West Floor	11/29/10 12:00	Doug Dillenberger	Pending	
40192	E/East Floor	11/29/10 12:30	Doug Dillenberger	Pending	
40193	F/East Wall	11/29/10 12:35	Doug Dillenberger	Pending	
40194	G/NW Well	11/29/10 1:00 p	Doug Dillenberger	Pending	
40195	H/NW Floor	11/29/10 1:00 p	Doug Dillenberger	Pending	

ADDITIONAL COMMENTS:

Qualifier Definitions

Reference Number: 10-17665
Report Date: 12/06/10

Qualifier	Definition
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

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December 6, 2010

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-17908 - Conway Feed 2K1001

Dear Mr. Doug Dillenberger,

Your project: Conway Feed 2K1001, was received on Monday November 29, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

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Portland [illegible]
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9150 SW Pioneer Ct Ste W- 97070
503.682.7602

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17908**
Project: Conway Feed 2K1001

Report Date: 12/6/10
Date Received: 11/29/10
Reviewed by:

Sample Description: D - West Floor
Lab Number: 40191
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	3.77	1.12	1.12		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: E - East Floor
Lab Number: 40192
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	3.14	1.19	1.19		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: F - East Wall
Lab Number: 40193
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	4.96	1.11	1.11		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: G - NW Well
Lab Number: 40194
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	5.32	1.22	1.22		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: H - NW Floor
Lab Number: 40195
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	5.83	1.22	1.22		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

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Portland OR — Microbiology/Chemistry — 9150 SW Pioneer Ct Ste W- 97070 — 503.682.7802

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17908**
Project: Conway Feed 2K1001
Report Date: 12/6/10
Date Received: 11/29/10
Peer Review: EBM

Sample Description: D - West Floor
Lab Number: 40191
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: E - East Floor
Lab Number: 40192
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: F - East Wall
Lab Number: 40193
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: G - NW Well
Lab Number: 40194
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

Reference Number: **10-17908**
Report Date: 12/6/10

Hydrocarbon Data Report

Sample Description: H - NW Floor
Lab Number: 40195
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

EDGE ANALYTICAL LABORATORIES

Burlington WA
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1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portla R
Microbiology, Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17908**
Project: Conway Feed 2K1001
Report Date: 12/2/10
Date Received: 11/29/10
Peer Review: PM

Sample Description: D - West Floor
Lab Number: 40191
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.01	mg/Kg	8260B/5030B	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.01	mg/Kg	8260B/5030B	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.01	mg/Kg	8260B/5030B	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.01	mg/Kg	8260B/5030B	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: E - East Floor
Lab Number: 40192
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: F - East Wall
Lab Number: 40193
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

Reference Number: **10-17908**
Report Date: 12/2/10

EDGE ANALYTICAL LABORATORIES

Hydrocarbon Data Report

Sample Description: G - NW Well
Lab Number: 40194
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: H - NW Floor
Lab Number: 40195
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-17908
Report Date: 12/06/10

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
)XS_101130 40191	O-TERPHENYL	90		%	NWTPH-Dx	
GXS_101130 40191	d8-TOLUENE (Surr)	95		%	8260B	Acceptance Range: 50-150%
)XS_101130 40192	O-TERPHENYL	88		%	NWTPH-Dx	
GXS_101130 40192	d8-TOLUENE (Surr)	97		%	8260B	Acceptance Range: 50-150%
)XS_101130 40193	O-TERPHENYL	103		%	NWTPH-Dx	
GXS_101130 40193	d8-TOLUENE (Surr)	99		%	8260B	Acceptance Range: 50-150%
)XS_101130 40194	O-TERPHENYL	92		%	NWTPH-Dx	
GXS_101130 40194	d8-TOLUENE (Surr)	107		%	8260B	Acceptance Range: 50-150%
)XS_101130 40195	O-TERPHENYL	101		%	NWTPH-Dx	
GXS_101130 40195	d8-TOLUENE (Surr)	96		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

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503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.93	1	mg/L	6010B	93	70-130		LFB	
DXS_101130	DIESEL (C12 - C24)	115	125	mg/Kg	NWTPH-Dx	92	80-120		LFB	
	O-TERPHENYL	111		%	NWTPH-Dx		70-130			
GXS_101130	BENZENE	0.99	1	mg/Kg	8260B	99	70-130		LFB	
	d8-TOLUENE (Surr)	106		%	8260B					
	ETHYLBENZENE	0.96	1	mg/Kg	8260B	96	70-130			
	GAS Range Organics	277	250	mg/Kg	8260B	111	70-130			
	TOLUENE	0.93	1	mg/Kg	8260B	93	70-130			
	TOTAL XYLENES	2.69	3	mg/Kg	8260B	90	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		3.12000		MB	
DXS_101130	DIESEL (C12 - C24)	ND		mg/Kg	NWTPH-Dx		6.25000		MB	
	HEAVIER OILS (>C24)	ND		mg/Kg	NWTPH-Dx		10.00000			
	O-TERPHENYL	96		%	NWTPH-Dx		0.00000			
GXS_101130	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 10-17908
	d8-TOLUENE (Surr)	103		%	8260B					TB 10-17908
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	GAS Range Organics	ND		mg/Kg	8260B		5.00000			TB 10-17908
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 10-17908

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.97	1	mg/L	6010B	97	70-130		QCS	
GXS_101130	BENZENE	10.9	10.6	mg/Kg	8260B	103	70-130		QCS	
	d8-TOLUENE (Surr)	94		%	8260B					
	ETHYLBENZENE	6.9	7.1	mg/Kg	8260B	97	70-130			
	GAS Range Organics	541	398	mg/Kg	8260B	136	70-130			
	TOLUENE	33.1	35.2	mg/Kg	8260B	94	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-17908
Report Date: 12/6/2010

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101203B										
	40338	LEAD	8.28	7.99	mg/Kg	3.6	0-45		DUP	
DXS_101130										
	39878	DIESEL (C12 - C24)	60400	58200	mg/Kg	3.7	0-50		DUP	
	39878	O-TERPHENYL	65	127	%	64.6	0-50		DUP	
GXS_101130										
	38211	BENZENE	26.1	26.5	ug/Kg	1.5	0-50		DUP	
	38211	TOLUENE	87.2	83.1E	ug/Kg	4.8	0-50		DUP	
	38211	ETHYLBENZENE	16.7	16.6	ug/Kg	0.6	0-50		DUP	
	38211	TOTAL XYLENES	90.4	87.3	ug/Kg	3.5	0-50		DUP	
	38211	GAS Range Organics	1120	1390	ug/Kg	21.5	0-50		DUP	
	38211	d8-TOLUENE (Surr)	102	102	%	0.0			DUP	
ts_101130										
	40338	TOTAL SOLIDS FOR CALCULATION	76.09	76.34	%	0.3	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-17908
Report Date: 12/6/2010

EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101203B															
	40338	LEAD	8.28	110	115	98.8	mg/Kg	103	108	70-130	4.8	0-50		LFM	
GXS_101130															
	40191	BENZENE	ND	0.99		1	mg/Kg	99	NA	70-130	NA	0-60		LFM	
	40191	TOLUENE	ND	0.92		1	mg/Kg	92	NA	70-130	NA	0-60		LFM	
	40191	ETHYLBENZENE	ND	0.76		1	mg/Kg	76	NA	70-130	NA	0-60		LFM	
	40191	TOTAL XYLENES	ND	2.74		3	mg/Kg	91	NA	70-130	NA	0-60		LFM	
	40191	d8-TOLUENE (Surr)	95	106			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE 1 OF 1

REPORT TO: NW HydroGeo Consultants	BILL TO: Scott McKnight General Manager Conway Feed	FOR LAB USE ONLY
ADDRESS: 1941 Lk Whatcom Blvd • B-3 #113	ADDRESS: 18700 Main Street	REF# 10-17908
CITY: Bellingham STATE: WA 98229	CITY: Conway STATE: WA ZIP: 98238	CHECK REGULATORY PROGRAM
ATTN: Doug Dillenberger	PHONE: 360.445-5211 FAX:	☐ SAFE DRINKING WATER ACT
PHONE: 360 734-4955 FAX: 360 734-7689	P.O.#: ATTN:	☐ CLEAN WATER ACT
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /	☐ RCRA / CERCLA
PROJECT NAME: Conway Feed 2K1001	CARD#	■ OTHER

ANALYTICAL LABORATORIES

Corporate
1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ☐ STANDARD
- ☑ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/COMP.	SAMPLE MATRIX*	DATE	TIME	5035 soil	mWTPH/g-BTEX	TS/DX	mWTPH-HCID/DX	Pb			NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	D	West Floor	✓	Soil	10/29	12:00	☐	☑	☐	☑	☑	☐	☐		
2	E	East Floor	✓	Soil	10/29	12:30	☐	☑	☐	☑	☑	☐	☐		Date shipped
3	F	East Wall	✓	Soil	10/29	12:35	☐	☑	☐	☑	☑	☐	☐		12/1/29 HH
4	G	NW Wall	✓	Soil	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
5	H	NW Floor	✓	Soil	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
6							☐	☐	☐	☐	☐				
7							☐	☐	☐	☐	☐				
8							☐	☐	☐	☐	☐				
9							☐	☐	☐	☐	☐				
10							☐	☐	☐	☐	☐				

10-17908
40191 - 40195

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: 734-7689 EMAIL: joyce@datalinkwest.com ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☑ *W-WATER DW-DRINKING WATER SW-SURFACE WATER GW-GROUND WATER WW-WASTE WATER S-SOIL OL-OIL OTHER

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Doug Dillenberger	11-29-10	1:45	[illegible]	11/29/10	1345

	YES	NO	N/A
CUSTODY SEALS INTACT (on) ice	☐	☐	☑
SAMPLE TEMP 8.1 °C SATISFACTORY	☐	☐	☐
SAMPLES RECEIVED INTACT	☑	☐	
CHAIN OF CUSTODY & LABELS AGREE	☑	☐	

FORM: COC 01-06-2009

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December 6, 2010

RECEIVED
DEC 0 6 2010

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-17908 - Conway Feed 2K1001

Dear Mr. Doug Dillenberger,

Your project: Conway Feed 2K1001, was received on Monday November 29, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17908**
Project: Conway Feed 2K1001
Report Date: 12/2/10
Date Received: 11/29/10
Peer Review:

Sample Description: D - West Floor
Lab Number: 40191
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.01	mg/Kg	8260B/5030B	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.01	mg/Kg	8260B/5030B	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.01	mg/Kg	8260B/5030B	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.01	mg/Kg	8260B/5030B	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: E - East Floor
Lab Number: 40192
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: F - East Wall
Lab Number: 40193
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

Reference Number: 10-17908
Report Date: 12/2/10

Hydrocarbon Data Report

Sample Description: G - NW Well
Lab Number: 40194
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Sample Description: H - NW Floor
Lab Number: 40195
Date 11/30/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.0001	mg/Kg	8260B/5035A	GXS_101130	
TOLUENE	ND		1	7.0	0.10	0.00012	mg/Kg	8260B/5035A	GXS_101130	
ETHYLBENZENE	ND		1	6.0	0.10	0.00013	mg/Kg	8260B/5035A	GXS_101130	
TOTAL XYLENES	ND		1	9.0	0.20	0.0001	mg/Kg	8260B/5035A	GXS_101130	
GAS Range Organics	ND		1	100/30*	25	0.039	mg/Kg	8260B/5035A	GXS_101130	

Notation:
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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-17908**
Project: Conway Feed 2K1001
Report Date: 12/6/10
Date Received: 11/29/10
Peer Review:

Sample Description: D - West Floor
Lab Number: 40191
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: E - East Floor
Lab Number: 40192
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: F - East Wall
Lab Number: 40193
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Sample Description: G - NW Well
Lab Number: 40194
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
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If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

Reference Number: **10-17908**
Report Date: 12/6/10

Hydrocarbon Data Report

Sample Description: H - NW Floor
Lab Number: 40195
Date 12/1/10

Sample Date: 11/29/10
Collected By: Doug Dillenberger
Analyzed By: EM

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
DIESEL (C12 - C24)	ND		1	2000	50	25	mg/Kg	NWTPH-Dx/3550B	DXS_101130	
HEAVIER OILS (>C24)	ND		1	2000	50	40	mg/Kg	NWTPH-Dx/3550B	DXS_101130	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
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Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 10-17908
Project: Conway Feed 2K1001

Report Date: 12/6/10
Date Received: 11/29/10
Reviewed by:

Sample Description: D - West Floor
Lab Number: 40191
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	3.77	1.12	1.12		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: E - East Floor
Lab Number: 40192
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	3.14	1.19	1.19		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: F - East Wall
Lab Number: 40193
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	4.96	1.11	1.11		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: G - NW Well
Lab Number: 40194
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	5.32	1.22	1.22		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Sample Description: H - NW Floor
Lab Number: 40195
Sample Date: 11/29/10
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	5.83	1.22	1.22		mg/Kg	1.00	6010B/3051	12/3/10	BJ	6010B-101203B	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.93	1	mg/L	6010B	93	70-130		LFB	
DXS_101130	DIESEL (C12 - C24)	115	125	mg/Kg	NWTPH-Dx	92	80-120		LFB	
	O-TERPHENYL	111		%	NWTPH-Dx		70-130			
GXS_101130	BENZENE	0.99	1	mg/Kg	8260B	99	70-130		LFB	
	d8-TOLUENE (Surr)	106		%	8260B					
	ETHYLBENZENE	0.96	1	mg/Kg	8260B	96	70-130			
	GAS Range Organics	277	250	mg/Kg	8260B	111	70-130			
	TOLUENE	0.93	1	mg/Kg	8260B	93	70-130			
	TOTAL XYLENES	2.69	3	mg/Kg	8260B	90	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	ND		mg/L	6010B		3.12000		MB	
DXS_101130	DIESEL (C12 - C24)	ND		mg/Kg	NWTPH-Dx		6.25000		MB	
	HEAVIER OILS (>C24)	ND		mg/Kg	NWTPH-Dx		10.0000(			
	O-TERPHENYL	96		%	NWTPH-Dx		0.00000			
GXS_101130	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 10-17908
	d8-TOLUENE (Surr)	103		%	8260B					TB 10-17908
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	GAS Range Organics	ND		mg/Kg	8260B		5.00000			TB 10-17908
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 10-17908
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 10-17908

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-17908
Report Date: 12/06/10

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-101203B	LEAD	0.97	1	mg/L	6010B	97	70-130		QCS	
GXS_101130	BENZENE	10.9	10.6	mg/Kg	8260B	103	70-130		QCS	
	d8-TOLUENE (Surr)	94		%	8260B					
	ETHYLBENZENE	6.9	7.1	mg/Kg	8260B	97	70-130			
	GAS Range Organics	541	398	mg/Kg	8260B	136	70-130			
	TOLUENE	33.1	35.2	mg/Kg	8260B	94	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-17908
Report Date: 12/6/2010

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101203B										
	40338	LEAD	8.28	7.99	mg/Kg	3.6	0-45		DUP	
DXS_101130										
	39878	DIESEL (C12 - C24)	60400	58200	mg/Kg	3.7	0-50		DUP	
	39878	O-TERPHENYL	65	127	%	64.6	0-50		DUP	
GXS_101130										
	38211	BENZENE	26.1	26.5	ug/Kg	1.5	0-50		DUP	
	38211	TOLUENE	87.2	83.1E	ug/Kg	4.8	0-50		DUP	
	38211	ETHYLBENZENE	16.7	16.6	ug/Kg	0.6	0-50		DUP	
	38211	TOTAL XYLENES	90.4	87.3	ug/Kg	3.5	0-50		DUP	
	38211	GAS Range Organics	1120	1390	ug/Kg	21.5	0-50		DUP	
	38211	d8-TOLUENE (Surr)	102	102	%	0.0			DUP	
ts_101130										
	40338	TOTAL SOLIDS FOR CALCULATION	76.09	76.34	%	0.3	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-17908
Report Date: 12/6/2010

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
6010B-101203B															
	40338	LEAD	8.28	110	115	98.8	mg/Kg	**103**	**108**	70-130	**4.8**	0-50		LFM	
GXS_101130															
	40191	BENZENE	ND	0.99		1	mg/Kg	**99**	**NA**	70-130	**NA**	0-60		LFM	
	40191	TOLUENE	ND	0.92		1	mg/Kg	**92**	**NA**	70-130	**NA**	0-60		LFM	
	40191	ETHYLBENZENE	ND	0.76		1	mg/Kg	**76**	**NA**	70-130	**NA**	0-60		LFM	
	40191	TOTAL XYLENES	ND	2.74		3	mg/Kg	**91**	**NA**	70-130	**NA**	0-60		LFM	
	40191	d8-TOLUENE (Surr)	95	106			%		**NA**		**NA**			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

EDGE ANALYTICAL LABORATORIES

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-17908
Report Date: 12/06/10

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
DXS_101130 40191	O-TERPHENYL	90		%	NWTPH-Dx	
GXS_101130 40191	d8-TOLUENE (Surr)	95		%	8260B	Acceptance Range: 50-150%
DXS_101130 40192	O-TERPHENYL	88		%	NWTPH-Dx	
GXS_101130 40192	d8-TOLUENE (Surr)	97		%	8260B	Acceptance Range: 50-150%
DXS_101130 40193	O-TERPHENYL	103		%	NWTPH-Dx	
GXS_101130 40193	d8-TOLUENE (Surr)	99		%	8260B	Acceptance Range: 50-150%
DXS_101130 40194	O-TERPHENYL	92		%	NWTPH-Dx	
GXS_101130 40194	d8-TOLUENE (Surr)	107		%	8260B	Acceptance Range: 50-150%
DXS_101130 40195	O-TERPHENYL	101		%	NWTPH-Dx	
GXS_101130 40195	d8-TOLUENE (Surr)	96		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE 1 OF 1

REPORT TO: NW HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT General Manager CONWAY FEED
ADDRESS: 1941 W WHATCOM BLVD. B-3 #113	ADDRESS: 18700 MAIN STREET
CITY: BELLINGHAM STATE: WA 98229	CITY: CONWAY STATE: WA ZIP: 98238
ATTN: DOUG DILLENBERGER	PHONE: 360.445-5211 FAX:
PHONE: 360 734-4955 FAX: 360 734-7689	P.O.#: ATTN:
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME: CONWAY FEED 2K1001	CARD#

FOR LAB USE ONLY

REF# 10-17908

CHECK REGULATORY PROGRAM

- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ■ OTHER

ANALYTICAL LABORATORIES

Corporate
1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED

- ☐ STANDARD
- ☒ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	SAMPLE MATRIX*	DATE	TIME	5035 SOIL	NWTPH-G-BTEX	TS/DX	NWTPH-HCID/DX	Pb			NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	D	West Floor	✓	SOIL	10/29	12:00	☐	☑	☐	☑	☑	☐	☐		
2	E	East Floor	✓	SOIL	10/29	12:30	☐	☑	☐	☑	☑	☐	☐		Date should be 11/29 HH
3	F	East Wall	✓	SOIL	10/29	12:35	☐	☑	☐	☑	☑	☐	☐		
4	G	NW Wall	✓	SOIL	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
5	H	NW Floor	✓	SOIL	10/29	1:00	☐	☑	☐	☑	☑	☐	☐		
6							☐	☐	☐	☐	☐				
7							☐	☐	☐	☐	☐				
8							☐	☐	☐	☐	☐				
9							☐	☐	☐	☐	☐				
10							☐	☐	☐	☐	☐				

10-17908
40191 - 40195

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: 734-7689 EMAIL: joyce@datalinkwest.com ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☑

*W-WATER DW-DRINKING WATER SW-SURFACE WATER GW-GROUND WATER WW-WASTE WATER S-SOIL OL-OIL OTHER_____

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Doug Dillenberger	11-29-10	1:45	[illegible]	11/29/10	1345

	YES	NO	N/A
CUSTODY SEALS INTACT (W1 ONLY)	☐	☐	☑
SAMPLE TEMP 8.1 °C SATISFACTORY	☐	☐	☐
SAMPLES RECEIVED INTACT	☑	☐	
CHAIN OF CUSTODY & LABELS AGREE	☑	☐	

FORM COC 01-06-2009

EDGE ANALYTICAL LABORATORIES

Burlington WA 1620 S Walnut St 98233
Corporate Office 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA 805 Orchard Dr Suite 4 98225
Microbiology 360.671.0688 • 360.671.1577fax

November 29, 2010

Sample Receipt

Mr. Scott McKnight
NW HydroGeo Consultants
18700 Main Street
Conway, WA 98038

FAX Number: 360-734-7689

Mr. Doug Dillenberger

Dear Scott,

We received the following samples for project **"Conway Feed 2K1001"** on **11/29/2010** at **1:45 pm.** This project is expected to be completed by **December 06, 2010.** The temperature of the sample cooler was **8.1C.** If you have any questions concerning this project please refer to reference number **10-17908.**

LAB NUMBER	CLIENT SAMPLE ID#	Date Sampled	Sampled By	Status	COMMENTS
40191	D/West Floor	11/29/10 12:00	Doug Dillenberger	Pending	
40192	E/East Floor	11/29/10 12:30	Doug Dillenberger	Pending	
40193	F/East Wall	11/29/10 12:35	Doug Dillenberger	Pending	
40194	G/NW Well	11/29/10 1:00 p	Doug Dillenberger	Pending	
40195	H/NW Floor	11/29/10 1:00 p	Doug Dillenberger	Pending	

ADDITIONAL COMMENTS:

Qualifier Definitions

Reference Number: 10-17665
Report Date: 12/06/10

Qualifier	Definition
J	Indicates an estimated concentration. This occurs when an analyte concentration is below the calibration curve but is above the method detection limit.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

FORM: QualifierDefs

Soil Samples Collected on June 20, 2011
Sample Locations 1, 2 and 3

EDGE ANALYTICAL LABORATORIES

Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portla OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **11-09338**
Project: 2K1004-1

Report Date: 7/8/11
Date Received: 6/20/11
Reviewed by: dm

Sample Description: 6-20-1 - 2K1004-1
Lab Number: 20365
Sample Date: 6/20/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	6.23	1.09	1.09		mg/Kg	1.00	6010B/3051	6/24/11	BJ	6010B-110624A	

Sample Description: 6-20-2 - 2K1004-1
Lab Number: 20366
Sample Date: 6/20/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	2.14	0.92	0.92		mg/Kg	1.00	6010B/3051	7/6/11	BJ	6010B-110706A	

Sample Description: 6-20-3 - 2K1004-1
Lab Number: 20367
Sample Date: 6/20/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	1.70	0.98	0.98		mg/Kg	1.00	6010B/3051	7/6/11	BJ	6010B-110706A	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

EDGE ANALYTICAL LABORATORIES

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Bellingham WA — Microbiology — 805 Orchard Dr Ste 4 - 98225 — 360.671.0688
Portla. OR — Microbiology/Chemistry — 9150 SW Pioneer Ct Ste W- 97070 — 503.682.7802

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **11-09338**
Project: 2K1004-1
Report Date: 6/27/11
Date Received: 6/20/11
Peer Review:

Sample Description: 6-20-1 - 2K1004-1
Lab Number: 20365
Date 6/21/11

Sample Date: 6/20/11
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.00019	mg/Kg	8260B/5035A	GXS_110621	
TOLUENE	ND		1	7.0	0.10	0.0002	mg/Kg	8260B/5035A	GXS_110621	
ETHYLBENZENE	ND		1	6.0	0.10	0.00021	mg/Kg	8260B/5035A	GXS_110621	
TOTAL XYLENES	ND		1	9.0	0.20	0.00027	mg/Kg	8260B/5035A	GXS_110621	

Sample Description: 6-20-2 - 2K1004-1
Lab Number: 20366
Date 6/21/11

Sample Date: 6/20/11
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.01	mg/Kg	8260B/5035A	GXS_110621	
TOLUENE	ND		1	7.0	0.10	0.01	mg/Kg	8260B/5035A	GXS_110621	
ETHYLBENZENE	ND		1	6.0	0.10	0.01	mg/Kg	8260B/5035A	GXS_110621	
TOTAL XYLENES	ND		1	9.0	0.20	0.01	mg/Kg	8260B/5035A	GXS_110621	

Sample Description: 6-20-3 - 2K1004-1
Lab Number: 20367
Date 6/21/11

Sample Date: 6/20/11
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.00019	mg/Kg	8260B/5035A	GXS_110621	
TOLUENE	0.2		1	7.0	0.10	0.0002	mg/Kg	8260B/5035A	GXS_110621	
ETHYLBENZENE	ND		1	6.0	0.10	0.00021	mg/Kg	8260B/5035A	GXS_110621	
TOTAL XYLENES	ND		1	9.0	0.20	0.00027	mg/Kg	8260B/5035A	GXS_110621	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

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Bellingham WA — Microbiology — 805 Orchard Dr Ste 4 - 98225 — 360.671.0688
Portland OR — Microbiology/Chemistry — 9150 SW Pioneer Ct Ste W- 97070 — 503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110624A	LEAD	0.89	1	mg/L	6010B	89	70-130		LFB	
6010B-110706A	LEAD	1	1	mg/L	6010B	100	70-130		LFB	
GXS_110621	BENZENE	0.91	1	mg/Kg	8260B	91	70-130		LFB	
	d8-TOLUENE (Surr)	104		%	8260B					
	ETHYLBENZENE	0.88	1	mg/Kg	8260B	88	70-130			
	TOLUENE	0.93	1	mg/Kg	8260B	93	70-130			
	TOTAL XYLENES	2.61	3	mg/Kg	8260B	87	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

EDGE ANALYTICAL LABORATORIES

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800.755.9295 • 360.757.1400

Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7602

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110624A	LEAD	ND		mg/L	6010B		0.00100		LRB	
6010B-110706A	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

EDGE ANALYTICAL LABORATORIES

Burlington WA
Corporate Office
1620 S Walnut St - 98233
800.755.9295 • 360.757.1400

Bellingham WA
Microbiology
805 Orchard Dr Ste 4 - 98225
360.671.0688

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110624A	LEAD	ND		mg/L	6010B		3.12000		MB	
6010B-110706A	LEAD	ND		mg/L	6010B		3.12000		MB	
GXS_110621	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 11-09338
	d8-TOLUENE (Surr)	101		%	8260B					TB 11-09338
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 11-09338
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 11-09338
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 11-09338

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

EDGE ANALYTICAL LABORATORIES

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805 Orchard Dr Ste 4 - 98225
360.671.0688

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Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110624A	LEAD	1	1	mg/L	6010B	100	70-130		QCS	
6010B-110706A	LEAD	1.01	1	mg/L	6010B	101	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

EDGE ANALYTICAL LABORATORIES

Burlington WA	Bellingham WA	Portland OR
Corporate Office	*Microbiology*	*Microbiology/Chemistry*
1620 S Walnut St - 98233	805 Orchard Dr Ste 4 - 98225	9150 SW Pioneer Ct Ste W- 97070
800.755.9295 • 360.757.1400	360.671.0688	503.682.7802

SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 11-09338
Report Date: 7/8/2011

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
GXS_110621										
	20365	d8-TOLUENE (Surr)	101	101	%	0.0			DUP	
	20367	TOLUENE	0.2	0.14	mg/Kg	35.3	0-50	ST	DUP	
	20367	d8-TOLUENE (Surr)	101	103	%	2.0			DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 11-09338
Report Date: 7/8/2011

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
GXS_110621															
	20366	BENZENE	ND	0.91		1	mg/Kg	91	NA	70-130	NA	0-60		LFM	
	20366	TOLUENE	ND	0.92		1	mg/Kg	92	NA	70-130	NA	0-60		LFM	
	20366	ETHYLBENZENE	ND	0.85		1	mg/Kg	85	NA	70-130	NA	0-60		LFM	
	20366	TOTAL XYLENES	ND	2.53		3	mg/Kg	84	NA	70-130	NA	0-60		LFM	
	20366	d8-TOLUENE (Surr)	102	104			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report.

EDGE ANALYTICAL LABORATORIES

Qualifier Definitions

Reference Number: 11-09338
Report Date: 07/08/11

Qualifier	Definition
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
ST	Statistical limits do not apply for method 5035a

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 11-09338
Report Date: 07/08/11

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
GXS_110621 20365	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range: 50-150%
GXS_110621 20366	d8-TOLUENE (Surr)	102		%	8260B	Acceptance Range: 50-150%
GXS_110621 20367	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

Stockpile Soil Samples Collected on August 01, 2011
Sample Locations A, B and C

EDGE ANALYTICAL LABORATORIES

Burlington WA	Bellingham WA	Portland OR
Corporate Office	*Microbiology*	*Microbiology/Chemistry*
1620 S Walnut St - 98233	805 Orchard Dr Ste 4 - 98225	9150 SW Pioneer Ct Ste W- 97070
800.755.9295 • 360.757.1400	360.671.0688	503.682.7602

August 19, 2011

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 11-11910 - 2K 1004-1 Conway Feed

Dear Mr. Doug Dillenberger,

Your project: 2K 1004-1 Conway Feed, was received on Monday August 01, 2011.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

EDGE ANALYTICAL LABORATORIES

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Bellingham WA — Microbiology — 805 Orchard Dr Ste 4 · 98225 — 360.671 0688
Portland OR — Microbiology/Chemistry — 9150 SW Pioneer Ct Ste W · 97070 — 503.682 7602

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **11-11910**
Project: 2K 1004-1 Conway Feed

Report Date: 8/19/11
Date Received: 8/1/11
Reviewed by: JW

Sample Description: 8-01-A - Remediation Field
Lab Number: 26091
Sample Date: 8/1/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	13.7	0.95	0.95		mg/Kg	1.00	6010B/3051	8/4/11	BJ	6010B-110804B	

Sample Description: 8-01-B - Remediation Field
Lab Number: 26092
Sample Date: 8/1/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	13.6	0.77	0.77		mg/Kg	1.00	6010B/3051	8/4/11	BJ	6010B-110804B	

Sample Description: 8-01-C - Remediation Field
Lab Number: 26093
Sample Date: 8/1/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	18.8	0.95	0.95		mg/Kg	1.00	6010B/3051	8/4/11	BJ	6010B-110804B	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

Form: cRslt_2.rpt

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360 671 0688

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503 682 7802

WSDOE Lab C1251

DATA REPORT

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **11-11910**
Project: 2K 1004-1 Conway Feed

Lab Number: 26093
Field ID: 8-01-C
Sample Description: Remediation Field
Matrix: Soil
Sample Date: 8/1/11
Extraction Date: 8/15/11
Extraction Method: 5030B

Report Date: 8/19/11
Date Analyzed: 8/15/11
Analyst: HY
Peer Review: Em
Analytical Method: 8260B
Batch: 8260S_110815

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		ug/Kg	0.10	0.10	-	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		ug/Kg	0.10	0.10	-	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		ug/Kg	0.025	0.025	-	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
106-93-4	1,2 - DIBROMOETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		ug/Kg	0.10	0.10	-	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		ug/Kg	0.10	0.10	-	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		ug/Kg	0.10	0.10	-	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		ug/Kg	0.10	0.10	-	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		ug/Kg	0.10	0.10	-	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		ug/Kg	0.10	0.10	-	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
110-57-6	1,4 - DICHLORO-2-BUTENE	ND		mg/Kg	0.25	0.25	-	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		ug/Kg	0.10	0.10	-	1.00	
109-69-3	1-CHLOROBUTANE	ND		mg/Kg	0.10	0.10	-	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		ug/Kg	0.10	0.10	-	1.00	
78-93-3	2-BUTANONE (MEK)	ND		mg/Kg	1.25	1.25	-	1.00	
591-78-6	2-HEXANONE	ND		mg/Kg	0.5	0.5	-	1.00	
79-46-9	2-NITROPROPANE	ND		mg/Kg	0.5	0.5	-	1.00	
108-10-1	4-METHYL-2-PENTANONE	ND		mg/Kg	0.125	0.125	-	1.00	
67-64-1	ACETONE	ND		mg/Kg	0.5	0.5	-	1.00	
107-13-1	ACRYLONITRILE	ND		mg/Kg	0.10	0.10	-	1.00	
107-05-1	ALLYL CHLORIDE	ND		mg/Kg	0.10	0.10	-	1.00	
71-43-2	BENZENE	ND		ug/Kg	0.025	0.025	-	1.00	
108-86-1	BROMOBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	

Notes:

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ND - indicates the compound was not detected above the PQL or MDL.
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D.F. - Dilution Factor.

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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-97-5	BROMOCHLOROMETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
75-25-2	BROMOFORM	ND		ug/Kg	0.10	0.10	-	1.00	
74-83-9	BROMOMETHANE	ND		ug/Kg	0.50	0.50	-	1.00	
75-15-0	CARBON DISULFIDE	ND		mg/Kg	0.10	0.10	-	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		ug/Kg	0.10	0.10	-	1.00	
108-90-7	CHLOROBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
124-48-1	CHLORODIBROMOMETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
75-00-3	CHLOROETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
67-66-3	CHLOROFORM	ND		ug/Kg	0.10	0.10	-	1.00	
74-87-3	CHLOROMETHANE	ND		ug/Kg	0.125	0.125	-	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHYLENE	ND		ug/Kg	0.10	0.10	-	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		ug/Kg	0.10	0.10	-	1.00	
74-95-3	DIBROMOMETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
60-29-7	DIETHYL ETHER	ND		mg/Kg	0.125	0.125	-	1.00	
141-78-6	ETHYL ACETATE	ND		mg/Kg	0.10	0.10	-	1.00	
97-63-2	ETHYL METHACRYLATE	ND		mg/Kg	0.10	0.10	-	1.00	
100-41-4	ETHYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
106-93-4	ETHYLENE DIBROMIDE (EDB)	ND		ug/Kg	0.10	0.10	-	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		ug/Kg	0.10	0.10	-	1.00	
67-72-1	HEXACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
98-82-8	ISOPROPYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
126-98-7	METHACRYLONITRILE	ND		mg/Kg	0.10	0.10	-	1.00	
96-33-3	METHYL ACRYLATE	ND		mg/Kg	0.10	0.10	-	1.00	
74-88-4	METHYL IODIDE	ND		mg/Kg	0.10	0.10	-	1.00	
80-62-6	METHYL METHACRYLATE	ND		mg/Kg	0.25	0.25	-	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		ug/Kg	1.25	1.25	-	1.00	
75-09-2	METHYLENE CHLORIDE	ND		ug/Kg	1.25	1.25	-	1.00	
104-51-8	N - BUTYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
103-65-1	N - PROPYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
91-20-3	NAPHTHALENE	ND		ug/Kg	0.10	0.10	-	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		ug/Kg	0.10	0.10	-	1.00	
76-01-7	PENTACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
100-42-5	STYRENE	ND		ug/Kg	0.10	0.10	-	1.00	
156-60-5	T - 1,2 - DICHLOROETHYLENE	ND		ug/Kg	0.10	0.10	-	1.00	
98-06-6	TERT - BUTYLBENZENE	ND		ug/Kg	0.10	0.10	-	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		ug/Kg	0.025	0.025	-	1.00	
109-99-9	TETRAHYDROFURAN	ND		mg/Kg	0.5	0.5	-	1.00	
108-88-3	TOLUENE	ND		ug/Kg	0.10	0.10	-	1.00	
10061-02-	TRANS- 1,3 - DICHLOROPROPENE	ND		ug/Kg	0.10	0.10	-	1.00	
79-01-6	TRICHLOROETHYLENE	ND		ug/Kg	0.025	0.025	-	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		ug/Kg	0.10	0.10	-	1.00	
75-01-4	VINYL CHLORIDE	ND		ug/Kg	0.10	0.10	-	1.00	
1330-20-7	XYLENES	ND		mg/Kg	0.10	0.10	-	1.00	

Notes:

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Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W - 97070
503.682.7602

WSDOE Lab C1251

DATA REPORT

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **11-11910**
Project: 2K 1004-1 Conway Feed

Lab Number: 26092
Field ID: 8-01-B
Sample Description: Remediation Field
Matrix: Soil
Sample Date: 8/1/11
Extraction Date: 8/15/11
Extraction Method: 5030B

Report Date: 8/19/11
Date Analyzed: 8/15/11
Analyst: HY
Peer Review: EM
Analytical Method: 8260B
Batch: 8260S_110815

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		mg/Kg	0.10	0.10	-	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		mg/Kg	0.10	0.10	-	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		mg/Kg	0.025	0.025	-	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
106-93-4	1,2 - DIBROMOETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		mg/Kg	0.10	0.10	-	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		mg/Kg	0.10	0.10	-	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
110-57-6	1,4 - DICHLORO-2-BUTENE	ND		mg/Kg	0.25	0.25	-	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		mg/Kg	0.10	0.10	-	1.00	
109-69-3	1-CHLOROBUTANE	ND		mg/Kg	0.10	0.10	-	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
78-93-3	2-BUTANONE (MEK)	ND		mg/Kg	1.25	1.25	-	1.00	
591-78-6	2-HEXANONE	ND		mg/Kg	0.5	0.5	-	1.00	
79-46-9	2-NITROPROPANE	ND		mg/Kg	0.5	0.5	-	1.00	
108-10-1	4-METHYL-2-PENTANONE	ND		mg/Kg	0.125	0.125	-	1.00	
67-64-1	ACETONE	ND		mg/Kg	0.5	0.5	-	1.00	
107-13-1	ACRYLONITRILE	ND		mg/Kg	0.10	0.10	-	1.00	
107-05-1	ALLYL CHLORIDE	ND		mg/Kg	0.10	0.10	-	1.00	
71-43-2	BENZENE	ND		mg/Kg	0.025	0.025	-	1.00	
108-86-1	BROMOBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	

Notes:

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ND - Indicates the compound was not detected above the PQL or MDL.
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CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-97-5	BROMOCHLOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-25-2	BROMOFORM	ND		mg/Kg	0.10	0.10	-	1.00	
74-83-9	BROMOMETHANE	ND		mg/Kg	0.50	0.50	-	1.00	
75-15-0	CARBON DISULFIDE	ND		mg/Kg	0.10	0.10	-	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		mg/Kg	0.10	0.10	-	1.00	
108-90-7	CHLOROBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
124-48-1	CHLORODIBROMOMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-00-3	CHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
67-66-3	CHLOROFORM	ND		mg/Kg	0.10	0.10	-	1.00	
74-87-3	CHLOROMETHANE	ND		mg/Kg	0.125	0.125	-	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHYLENE	ND		mg/Kg	0.10	0.10	-	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		mg/Kg	0.10	0.10	-	1.00	
74-95-3	DIBROMOMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
60-29-7	DIETHYL ETHER	ND		mg/Kg	0.125	0.125	-	1.00	
141-78-6	ETHYL ACETATE	ND		mg/Kg	0.10	0.10	-	1.00	
97-63-2	ETHYL METHACRYLATE	ND		mg/Kg	0.10	0.10	-	1.00	
100-41-4	ETHYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
106-93-4	ETHYLENE DIBROMIDE (EDB)	ND		mg/Kg	0.10	0.10	-	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		mg/Kg	0.10	0.10	-	1.00	
67-72-1	HEXACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
98-82-8	ISOPROPYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
126-98-7	METHACRYLONITRILE	ND		mg/Kg	0.10	0.10	-	1.00	
96-33-3	METHYL ACRYLATE	ND		mg/Kg	0.10	0.10	-	1.00	
74-88-4	METHYL IODIDE	ND		mg/Kg	0.10	0.10	-	1.00	
80-62-6	METHYL METHACRYLATE	ND		mg/Kg	0.25	0.25	-	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		mg/Kg	1.25	1.25	-	1.00	
75-09-2	METHYLENE CHLORIDE	ND		mg/Kg	1.25	1.25	-	1.00	
104-51-8	N - BUTYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
103-65-1	N - PROPYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
91-20-3	NAPHTHALENE	ND		mg/Kg	0.10	0.10	-	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		mg/Kg	0.10	0.10	-	1.00	
76-01-7	PENTACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
100-42-5	STYRENE	ND		mg/Kg	0.10	0.10	-	1.00	
156-60-5	T - 1,2 - DICHLOROETHYLENE	ND		mg/Kg	0.10	0.10	-	1.00	
98-06-6	TERT - BUTYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		mg/Kg	0.025	0.025	-	1.00	
109-99-9	TETRAHYDROFURAN	ND		mg/Kg	0.5	0.5	-	1.00	
108-88-3	TOLUENE	ND		mg/Kg	0.10	0.10	-	1.00	
10061-02-	TRANS- 1,3 - DICHLOROPROPENE	ND		mg/Kg	0.10	0.10	-	1.00	
79-01-6	TRICHLOROETHYLENE	ND		mg/Kg	0.025	0.025	-	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-01-4	VINYL CHLORIDE	ND		mg/Kg	0.10	0.10	-	1.00	
1330-20-7	XYLENES	ND		mg/Kg	0.10	0.10	-	1.00	

Notes:

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WSDOE Lab C1251

DATA REPORT

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **11-11910**
Project: 2K 1004-1 Conway Feed

Lab Number: 26091
Field ID: 8-01-A
Sample Description: Remediation Field
Matrix: Soil
Sample Date: 8/1/11
Extraction Date: 8/15/11
Extraction Method: 5030B

Report Date: 8/19/11
Date Analyzed: 8/15/11
Analyst: HY
Peer Review: [signature]
Analytical Method: 8260B
Batch: 8260S_110815

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
75-34-3	1,1 - DICHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-35-4	1,1 - DICHLOROETHYLENE	ND		mg/Kg	0.10	0.10	-	1.00	
563-58-6	1,1 - DICHLOROPROPENE	ND		mg/Kg	0.10	0.10	-	1.00	
71-55-6	1,1,1 - TRICHLOROETHANE	ND		mg/Kg	0.025	0.025	-	1.00	
630-20-6	1,1,1,2 - TETRACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
79-00-5	1,1,2 - TRICHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
79-34-5	1,1,2,2 - TETRACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
106-93-4	1,2 - DIBROMOETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
95-50-1	1,2 - DICHLOROBENZENE (ortho)	ND		mg/Kg	0.10	0.10	-	1.00	
107-06-2	1,2 - DICHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
78-87-5	1,2 - DICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
87-61-6	1,2,3 - TRICHLOROBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
96-18-4	1,2,3 - TRICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
120-82-1	1,2,4 - TRICHLOROBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
95-63-6	1,2,4 - TRIMETHYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
541-73-1	1,3 - DICHLOROBENZENE (meta)	ND		mg/Kg	0.10	0.10	-	1.00	
142-28-9	1,3 - DICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
108-67-8	1,3,5 - TRIMETHYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
110-57-6	1,4 - DICHLORO-2-BUTENE	ND		mg/Kg	0.25	0.25	-	1.00	
106-46-7	1,4 - DICHLOROBENZENE (para)	ND		mg/Kg	0.10	0.10	-	1.00	
109-69-3	1-CHLOROBUTANE	ND		mg/Kg	0.10	0.10	-	1.00	
594-20-7	2,2 - DICHLOROPROPANE	ND		mg/Kg	0.10	0.10	-	1.00	
78-93-3	2-BUTANONE (MEK)	ND		mg/Kg	1.25	1.25	-	1.00	
591-78-6	2-HEXANONE	ND		mg/Kg	0.5	0.5	-	1.00	
79-46-9	2-NITROPROPANE	ND		mg/Kg	0.5	0.5	-	1.00	
108-10-1	4-METHYL-2-PENTANONE	ND		mg/Kg	0.125	0.125	-	1.00	
67-64-1	ACETONE	ND		mg/Kg	0.5	0.5	-	1.00	
107-13-1	ACRYLONITRILE	ND		mg/Kg	0.10	0.10	-	1.00	
107-05-1	ALLYL CHLORIDE	ND		mg/Kg	0.10	0.10	-	1.00	
71-43-2	BENZENE	ND		mg/Kg	0.025	0.025	-	1.00	
108-86-1	BROMOBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	

Notes:

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PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor.

If you have any questions concerning this report contact us at the above phone number.

EDGE ANALYTICAL LABORATORIES

Reference Number: **11-11910**
Lab Number: 26091
Report Date: 8/19/11

CAS	Compound	RESULT	Flag	UNITS	PQL	MRL	MDL	D.F.	COMMENT
74-97-5	BROMOCHLOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-27-4	BROMODICHLOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-25-2	BROMOFORM	ND		mg/Kg	0.10	0.10	-	1.00	
74-83-9	BROMOMETHANE	ND		mg/Kg	0.50	0.50	-	1.00	
75-15-0	CARBON DISULFIDE	ND		mg/Kg	0.10	0.10	-	1.00	
56-23-5	CARBON TETRACHLORIDE	ND		mg/Kg	0.10	0.10	-	1.00	
108-90-7	CHLOROBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
124-48-1	CHLORODIBROMOMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-00-3	CHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
67-66-3	CHLOROFORM	ND		mg/Kg	0.10	0.10	-	1.00	
74-87-3	CHLOROMETHANE	ND		mg/Kg	0.125	0.125	-	1.00	
156-59-2	CIS - 1,2 - DICHLOROETHYLENE	ND		mg/Kg	0.10	0.10	-	1.00	
10061-01-	CIS - 1,3 - DICHLOROPROPENE	ND		mg/Kg	0.10	0.10	-	1.00	
74-95-3	DIBROMOMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-71-8	DICHLORODIFLUOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
60-29-7	DIETHYL ETHER	ND		mg/Kg	0.125	0.125	-	1.00	
141-78-6	ETHYL ACETATE	ND		mg/Kg	0.10	0.10	-	1.00	
97-63-2	ETHYL METHACRYLATE	ND		mg/Kg	0.10	0.10	-	1.00	
100-41-4	ETHYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
106-93-4	ETHYLENE DIBROMIDE (EDB)	ND		mg/Kg	0.10	0.10	-	1.00	
87-68-3	HEXACHLOROBUTADIENE	ND		mg/Kg	0.10	0.10	-	1.00	
67-72-1	HEXACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
98-82-8	ISOPROPYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
126-98-7	METHACRYLONITRILE	ND		mg/Kg	0.10	0.10	-	1.00	
96-33-3	METHYL ACRYLATE	ND		mg/Kg	0.10	0.10	-	1.00	
74-88-4	METHYL IODIDE	ND		mg/Kg	0.10	0.10	-	1.00	
80-62-6	METHYL METHACRYLATE	ND		mg/Kg	0.25	0.25	-	1.00	
1634-04-4	METHYL TERT-BUTYL ETHER	ND		mg/Kg	1.25	1.25	-	1.00	
75-09-2	METHYLENE CHLORIDE	ND		mg/Kg	1.25	1.25	-	1.00	
104-51-8	N - BUTYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
103-65-1	N - PROPYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
91-20-3	NAPHTHALENE	ND		mg/Kg	0.10	0.10	-	1.00	
99-87-6	P - ISOPROPYLTOLUENE	ND		mg/Kg	0.10	0.10	-	1.00	
76-01-7	PENTACHLOROETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
135-98-8	SEC - BUTYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
100-42-5	STYRENE	ND		mg/Kg	0.10	0.10	-	1.00	
156-60-5	T - 1,2 - DICHLOROETHYLENE	ND		mg/Kg	0.10	0.10	-	1.00	
98-06-6	TERT - BUTYLBENZENE	ND		mg/Kg	0.10	0.10	-	1.00	
127-18-4	TETRACHLOROETHYLENE	ND		mg/Kg	0.025	0.025	-	1.00	
109-99-9	TETRAHYDROFURAN	ND		mg/Kg	0.5	0.5	-	1.00	
108-88-3	TOLUENE	ND		mg/Kg	0.10	0.10	-	1.00	
10061-02-	TRANS- 1,3 - DICHLOROPROPENE	ND		mg/Kg	0.10	0.10	-	1.00	
79-01-6	TRICHLOROETHYLENE	ND		mg/Kg	0.025	0.025	-	1.00	
75-69-4	TRICHLOROFLUOROMETHANE	ND		mg/Kg	0.10	0.10	-	1.00	
75-01-4	VINYL CHLORIDE	ND		mg/Kg	0.10	0.10	-	1.00	
1330-20-7	XYLENES	ND		mg/Kg	0.10	0.10	-	1.00	

Notes:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110804B	LEAD	0.9	1	mg/L	6010B	90	70-130		LFB	
8260S_110815	1,1 - DICHLOROETHANE	0.9	1	mg/Kg	8260B	90	60-140		LFB	
	1,1 - DICHLOROETHYLENE	1.0	1	mg/Kg	8260B	100	60-140			
	1,1 - DICHLOROPROPENE	0.9	1	mg/Kg	8260B	90	60-140			
	1,1,1 - TRICHLOROETHANE	0.9	1	mg/Kg	8260B	90	60-140			
	1,1,1,2 - TETRACHLOROETHANE	1.0	1	mg/Kg	8260B	100	60-140			
	1,1,2 - TRICHLOROETHANE	0.9	1	mg/Kg	8260B	90	60-140			
	1,1,2,2 - TETRACHLOROETHANE	1.0	1	mg/Kg	8260B	100	60-140			
	1,2 - DICHLOROBENZENE (ortho)	1.0	1	mg/Kg	8260B	100	60-140			
	1,2 - DICHLOROETHANE	0.9	1	mg/Kg	8260B	90	60-140			
	1,2 - DICHLOROETHANE-d4 (SURR)	100		%	8260B		70-130			
	1,2 - DICHLOROPROPANE	0.9	1	mg/Kg	8260B	90	60-140			
	1,2,3 - TRICHLOROBENZENE	0.8	1	mg/Kg	8260B	80	60-140			
	1,2,3 - TRICHLOROPROPANE	1.1	1	mg/Kg	8260B	110	60-140			
	1,2,4 - TRICHLOROBENZENE	0.8	1	mg/Kg	8260B	80	60-140			
	1,2,4 - TRIMETHYLBENZENE	0.8	1	mg/Kg	8260B	80	60-140			
	1,2-DIBROMO-3-CHLOROPROPANE	1.0	1	mg/Kg	8260B	100	60-140			
	1,3 - DICHLOROBENZENE (meta)	0.9	1	mg/Kg	8260B	90	60-140			
	1,3 - DICHLOROPROPANE	0.9	1	mg/Kg	8260B	90	60-140			
	1,3,5 - TRIMETHYLBENZENE	0.9	1	mg/Kg	8260B	90	60-140			
	1,4 - DICHLORO-2-BUTENE	2.9	2.5	mg/Kg	8260B	116	60-140			
	1,4 - DICHLOROBENZENE (para)	0.9	1	mg/Kg	8260B	90	60-140			
	1-CHLOROBUTANE	2.2	2.5	mg/Kg	8260B	88	60-140			
	2,2 - DICHLOROPROPANE	0.9	1	mg/Kg	8260B	90	60-140			
	2-BUTANONE (MEK)	2.4	2.5	mg/Kg	8260B	96	60-140			
	2-HEXANONE	3.1	2.5	mg/Kg	8260B	124	60-140			
	2-NITROPROPANE	3.2	2.5	mg/Kg	8260B	128	60-140			
	4-BROMOFLUOROBENZENE (Surr)	111		%	8260B		80-120			
	4-METHYL-2-PENTANONE	2.2	2.5	mg/Kg	8260B	88	60-140			
	ACETONE	2.1	2.5	mg/Kg	8260B	84	60-140			
	ACRYLONITRILE	3.7	5	mg/Kg	8260B	74	60-140			
	ALLYL CHLORIDE	2.7	2.5	mg/Kg	8260B	108	60-140			
	BENZENE	0.9	1	mg/Kg	8260B	90	60-140			
	BROMOBENZENE	1.0	1	mg/Kg	8260B	100	60-140			
	BROMOCHLOROMETHANE	1.0	1	mg/Kg	8260B	100	60-140			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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360.671.0688

Portland OR
Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
8260S_110815	BROMODICHLOROMETHANE	0.9	1	mg/Kg	8260B	90	60-140		LFB	
	BROMOFORM	1.0	1	mg/Kg	8260B	100	60-140			
	BROMOMETHANE	1.1	1	mg/Kg	8260B	110	60-140			
	CARBON DISULFIDE	3.2	2.5	mg/Kg	8260B	128	60-140			
	CARBON TETRACHLORIDE	0.9	1	mg/Kg	8260B	90	60-140			
	CHLOROBENZENE	1.0	1	mg/Kg	8260B	100	60-140			
	CHLORODIBROMOMETHANE	1.0	1	mg/Kg	8260B	100	60-140			
	CHLOROETHANE	0.9	1	mg/Kg	8260B	90	60-140			
	CHLOROFORM	0.9	1	mg/Kg	8260B	90	60-140			
	CHLOROMETHANE	1.1	1	mg/Kg	8260B	110	60-140			
	CIS - 1,2 - DICHLOROETHYLENE	0.9	1	mg/Kg	8260B	90	60-140			
	CIS - 1,3 - DICHLOROPROPENE	0.9	1	mg/Kg	8260B	90	60-140			
	d8-TOLUENE (Surr)	99		%	8260B					
	DIBROMOMETHANE	0.9	1	mg/Kg	8260B	90	60-140			
	DICHLORODIFLUOROMETHANE	0.9	1	mg/Kg	8260B	90	60-140			
	DIETHYL ETHER	2.2	2.5	mg/Kg	8260B	88	60-140			
	ETHYL METHACRYLATE	2.7	2.5	mg/Kg	8260B	108	60-140			
	ETHYLBENZENE	1.0	1	mg/Kg	8260B	100	60-140			
	ETHYLENE DIBROMIDE (EDB)	0.9	1	mg/Kg	8260B	90	60-140			
	HEXACHLOROBUTADIENE	0.9	1	mg/Kg	8260B	90	60-140			
	HEXACHLOROETHANE	3.0	2.5	mg/Kg	8260B	120	60-140			
	ISOPROPYLBENZENE	1.0	1	mg/Kg	8260B	100	60-140			
	METHACRYLONITRILE	2.2	2.5	mg/Kg	8260B	88	60-140			
	METHYL ACRYLATE	2.3	2.5	mg/Kg	8260B	92	60-140			
	METHYL IODIDE	2.3	2.5	mg/Kg	8260B	92	60-140			
	METHYL METHACRYLATE	2.9	2.5	mg/Kg	8260B	116	60-140			
	METHYL TERT-BUTYL ETHER	0.9	1	mg/Kg	8260B	90	60-140			
	METHYLENE CHLORIDE	0.9	1	mg/Kg	8260B	90	60-140			
	N - BUTYLBENZENE	0.7	1	mg/Kg	8260B	70	60-140			
	N - PROPYLBENZENE	0.9	1	mg/Kg	8260B	90	60-140			
	NAPHTHALENE	0.8	1	mg/Kg	8260B	80	60-140			
	P - ISOPROPYLTOLUENE	0.8	1	mg/Kg	8260B	80	60-140			
	PENTACHLOROETHANE	2.5	2.5	mg/Kg	8260B	100	60-140			
	SEC - BUTYLBENZENE	0.9	1	mg/Kg	8260B	90	60-140			
	STYRENE	1.0	1	mg/Kg	8260B	100	60-140			
	T - 1,2 - DICHLOROETHYLENE	0.9	1	mg/Kg	8260B	90	60-140			
	TERT - BUTYLBENZENE	0.9	1	mg/Kg	8260B	90	60-140			

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
8260S_110815	TETRACHLOROETHYLENE	0.9	1	mg/Kg	8260B	90	60-140		LFB	
	TETRAHYDROFURAN	2.7	2.5	mg/Kg	8260B	108	60-140			
	TOLUENE	0.9	1	mg/Kg	8260B	90	60-140			
	TRANS- 1,3 - DICHLOROPROPENE	0.9	1	mg/Kg	8260B	90	60-140			
	TRICHLOROETHYLENE	1.0	1	mg/Kg	8260B	100	60-140			
	TRICHLOROFLUOROMETHANE	0.9	1	mg/Kg	8260B	90	60-140			
	VINYL CHLORIDE	0.9	1	mg/Kg	8260B	90	60-140			

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110804B	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-110804B	LEAD	ND		mg/L	6010B		3.12000		MB	
8260S_110815	1,1 - DICHLOROETHANE	ND		mg/Kg	8260B		0.02000		MB	
	1,1 - DICHLOROETHYLENE	ND		mg/Kg	8260B		0.02000			
	1,1 - DICHLOROPROPENE	ND		mg/Kg	8260B		0.02000			
	1,1,1 - TRICHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	1,1,1,2 - TETRACHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	1,1,2 - TRICHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	1,1,2,2 - TETRACHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	1,2 - DICHLOROBENZENE (ortho)	ND		mg/Kg	8260B		0.02000			
	1,2 - DICHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	1,2 - DICHLOROETHANE-d4 (SURR)	103		%	8260B					
	1,2 - DICHLOROPROPANE	ND		mg/Kg	8260B		0.02000			
	1,2,3 - TRICHLOROBENZENE	ND		mg/Kg	8260B		0.02000			
	1,2,3 - TRICHLOROPROPANE	ND		mg/Kg	8260B		0.02000			
	1,2,4 - TRICHLOROBENZENE	ND		mg/Kg	8260B		0.02000			
	1,2,4 - TRIMETHYLBENZENE	ND		mg/Kg	8260B		0.02000			
	1,2-DIBROMO-3-CHLOROPROPANE	ND		mg/Kg	8260B		0.02000			
	1,3 - DICHLOROBENZENE (meta)	ND		mg/Kg	8260B		0.02000			
	1,3 - DICHLOROPROPANE	ND		mg/Kg	8260B		0.02000			
	1,3,5 - TRIMETHYLBENZENE	ND		mg/Kg	8260B		0.02000			
	1,4 - DICHLORO-2-BUTENE	ND		mg/Kg	8260B		0.02000			
	1,4 - DICHLOROBENZENE (para)	ND		mg/Kg	8260B		0.02000			
	1-CHLOROBUTANE	ND		mg/Kg	8260B		0.02000			
	2,2 - DICHLOROPROPANE	ND		mg/Kg	8260B		0.02000			
	2-BUTANONE (MEK)	ND		mg/Kg	8260B		0.30000			
	2-HEXANONE	ND		mg/Kg	8260B		0.02000			
	2-NITROPROPANE	ND		mg/Kg	8260B		0.02000			
	4-BROMOFLUOROBENZENE (Surr)	129		%	8260B					
	4-METHYL-2-PENTANONE	ND		mg/Kg	8260B		0.02000			
	ACETONE	ND		mg/Kg	8260B		0.60000			
	ACRYLONITRILE	ND		mg/Kg	8260B		0.02000			
	ALLYL CHLORIDE	ND		mg/Kg	8260B		0.02000			
	BENZENE	ND		mg/Kg	8260B		0.02000			
	BROMOBENZENE	ND		mg/Kg	8260B		0.02000			
	BROMOCHLOROMETHANE	ND		mg/Kg	8260B		0.02000			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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EDGE ANALYTICAL LABORATORIES

Burlington WA — Corporate Office — 1620 S Walnut St - 98233 — 800.755.9295 • 360.757.1400
Bellingham WA — Microbiology — 805 Orchard Dr Ste 4 - 98225 — 360.671.0688
Portland OR — Microbiology/Chemistry — 9150 SW Pioneer Ct Ste W- 97070 — 503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
8260S_110815	BROMODICHLOROMETHANE	ND		mg/Kg	8260B		0.02000		MB	
	BROMOFORM	ND		mg/Kg	8260B		0.02000			
	BROMOMETHANE	ND		mg/Kg	8260B		0.02000			
	CARBON DISULFIDE	ND		mg/Kg	8260B		0.02000			
	CARBON TETRACHLORIDE	ND		mg/Kg	8260B		0.02000			
	CHLOROBENZENE	ND		mg/Kg	8260B		0.02000			
	CHLORODIBROMOMETHANE	ND		mg/Kg	8260B		0.02000			
	CHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	CHLOROFORM	ND		mg/Kg	8260B		0.02000			
	CHLOROMETHANE	ND		mg/Kg	8260B		0.02000			
	CIS - 1,2 - DICHLOROETHYLENE	ND		mg/Kg	8260B		0.02000			
	CIS - 1,3 - DICHLOROPROPENE	ND		mg/Kg	8260B		0.02000			
	d8-TOLUENE (Surr)	97		%	8260B					
	DIBROMOMETHANE	ND		mg/Kg	8260B		0.02000			
	DICHLORODIFLUOROMETHANE	ND		mg/Kg	8260B		0.02000			
	DIETHYL ETHER	ND		mg/Kg	8260B		0.02000			
	ETHYL METHACRYLATE	ND		mg/Kg	8260B		0.02000			
	ETHYLBENZENE	ND		mg/Kg	8260B		0.02000			
	HEXACHLOROBUTADIENE	ND		mg/Kg	8260B		0.02000			
	HEXACHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	ISOPROPYLBENZENE	ND		mg/Kg	8260B		0.02000			
	METHACRYLONITRILE	ND		mg/Kg	8260B		0.02000			
	METHYL ACRYLATE	ND		mg/Kg	8260B		0.02000			
	METHYL IODIDE	ND		mg/Kg	8260B		0.02000			
	METHYL METHACRYLATE	ND		mg/Kg	8260B		0.02000			
	METHYL TERT-BUTYL ETHER	ND		mg/Kg	8260B		0.02000			
	METHYLENE CHLORIDE	ND		mg/Kg	8260B		0.30000			
	N - BUTYLBENZENE	ND		mg/Kg	8260B		0.02000			
	N - PROPYLBENZENE	ND		mg/Kg	8260B		0.02000			
	NAPHTHALENE	ND		mg/Kg	8260B		0.02000			
	P - ISOPROPYLTOLUENE	ND		mg/Kg	8260B		0.02000			
	PENTACHLOROETHANE	ND		mg/Kg	8260B		0.02000			
	SEC - BUTYLBENZENE	ND		mg/Kg	8260B		0.02000			
	STYRENE	ND		mg/Kg	8260B		0.02000			
	T - 1,2 - DICHLOROETHYLENE	ND		mg/Kg	8260B		0.02000			
	TERT - BUTYLBENZENE	ND		mg/Kg	8260B		0.02000			
	TETRACHLOROETHYLENE	ND		mg/Kg	8260B		0.02000			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
8260S_110815	TETRAHYDROFURAN	ND		mg/Kg	8260B		0.02000		MB	
	TOLUENE	ND		mg/Kg	8260B		0.02000			
	TRANS- 1,3 - DICHLOROPROPENE	ND		mg/Kg	8260B		0.02000			
	TRICHLOROETHYLENE	ND		mg/Kg	8260B		0.02000			
	TRICHLOROFLUOROMETHANE	ND		mg/Kg	8260B		0.02000			
	VINYL CHLORIDE	ND		mg/Kg	8260B		0.02000			

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 11-11910
Report Date: 08/19/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110804B	LEAD	0.96	1	mg/L	6010B	96	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 11-11910
Report Date: 8/19/2011

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
6010B-110804B										
	25284	LEAD	42.3	43.3	mg/Kg	2.3	0-45		DUP	
8260S_110815										
	26093	4-BROMOFLUOROBENZENE (Surr)	110	84	%	26.8	0-30		DUP	
	26093	d8-TOLUENE (Surr)	98	100	%	2.0			DUP	
TS_110802										
	26143	TOTAL SOLIDS FOR CALCULATION	15.0	14.8	%	1.3	0-45		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
6010B-110804B															
	25284	LEAD	42.3	185	190	161	mg/Kg	89	92	70-130	3.4	0-50		LFM	
8260S_110815															
	26093	1,2-DIBROMO-3-CHLOROPROPANE	ND	1.9		2	ug/Kg	95	NA	60-140	NA	0-60		LFM	
	26093	ETHYLENE DIBROMIDE (EDB)	ND	1.9		2	ug/Kg	95	NA	60-140	NA	0-60		LFM	
	26093	T - 1,2 - DICHLOROETHYLENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	1,1 - DICHLOROETHANE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	2,2 - DICHLOROPROPANE	ND	1.1		2	ug/Kg	55	NA	60-140	NA	0-60	LR	LFM	
	26093	CIS - 1,2 - DICHLOROETHYLENE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	BROMOCHLOROMETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	CHLOROFORM	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	1,1,1 - TRICHLOROETHANE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	1,1 - DICHLOROPROPENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	CARBON TETRACHLORIDE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	BENZENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	DICHLORODIFLUOROMETHANE	ND	1.5		2	ug/Kg	75	NA	60-140	NA	0-60		LFM	
	26093	1,2 - DICHLOROETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	TRICHLOROETHYLENE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	1,2 - DICHLOROPROPANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	DIBROMOMETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	BROMODICHLOROMETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	CIS - 1,3 - DICHLOROPROPENE	ND	1.6		2	ug/Kg	80	NA	60-140	NA	0-60		LFM	
	26093	TOLUENE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	TRANS- 1,3 - DICHLOROPROPENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	CHLOROMETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	1,1,2 - TRICHLOROETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	TETRACHLOROETHYLENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	1,3 - DICHLOROPROPANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	CHLORODIBROMOMETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	CHLOROBENZENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	1,1,1,2 - TETRACHLOROETHANE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	ETHYLBENZENE	ND	1.9		2	ug/Kg	95	NA	60-140	NA	0-60		LFM	
	26093	VINYL CHLORIDE	ND	1.6		2	ug/Kg	80	NA	60-140	NA	0-60		LFM	
	26093	STYRENE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	BROMOFORM	ND	2.0		2	ug/Kg	100	NA	60-140	NA	0-60		LFM	
	26093	ISOPROPYLBENZENE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	

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NA = Indicates %RPD could not be calculated

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Reference Number: 11-11910
Report Date: 8/19/2011

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
	26093	1,2,3 - TRICHLOROPROPANE	ND	2.1		2	ug/Kg	105	NA	60-140	NA	0-60		LFM	
	26093	BROMOBENZENE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	1,1,2,2 - TETRACHLOROETHANE	ND	2.0		2	ug/Kg	100	NA	60-140	NA	0-60		LFM	
	26093	N - PROPYLBENZENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	1,3,5 - TRIMETHYLBENZENE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	TERT - BUTYLBENZENE	ND	1.6		2	ug/Kg	80	NA	60-140	NA	0-60		LFM	
	26093	1,2,4 - TRIMETHYLBENZENE	ND	1.6		2	ug/Kg	80	NA	60-140	NA	0-60		LFM	
	26093	SEC - BUTYLBENZENE	ND	1.6		2	ug/Kg	80	NA	60-140	NA	0-60		LFM	
	26093	1,3 - DICHLOROBENZENE (meta)	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	P - ISOPROPYLTOLUENE	ND	1.4		2	ug/Kg	70	NA	60-140	NA	0-60		LFM	
	26093	1,4 - DICHLOROBENZENE (para)	ND	1.9		2	ug/Kg	95	NA	60-140	NA	0-60		LFM	
	26093	1,2 - DICHLOROBENZENE (ortho)	ND	1.9		2	ug/Kg	95	NA	60-140	NA	0-60		LFM	
	26093	N - BUTYLBENZENE	ND	1.4		2	ug/Kg	70	NA	60-140	NA	0-60		LFM	
	26093	1,2,4 - TRICHLOROBENZENE	ND	1.5		2	ug/Kg	75	NA	60-140	NA	0-60		LFM	
	26093	HEXACHLOROBUTADIENE	ND	1.6		2	ug/Kg	80	NA	60-140	NA	0-60		LFM	
	26093	NAPHTHALENE	ND	1.4		2	ug/Kg	70	NA	60-140	NA	0-60		LFM	
	26093	1,2,3 - TRICHLOROBENZENE	ND	1.5		2	ug/Kg	75	NA	60-140	NA	0-60		LFM	
	26093	TRICHLOROFLUOROMETHANE	ND	1.7		2	ug/Kg	85	NA	60-140	NA	0-60		LFM	
	26093	1,1 - DICHLOROETHYLENE	ND	1.9		2	ug/Kg	95	NA	60-140	NA	0-60		LFM	
	26093	METHYLENE CHLORIDE	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	METHYL TERT-BUTYL ETHER	ND	1.8		2	ug/Kg	90	NA	60-140	NA	0-60		LFM	
	26093	1,2 - DICHLOROETHANE-d4 (SURR)	106	122			%		NA	70-130	NA	0-50		LFM	
	26093	4-BROMOFLUOROBENZENE (Surr)	110	116			%		NA	70-130	NA	0-60		LFM	
	26093	d8-TOLUENE (Surr)	98	101			%		NA		NA			LFM	

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EDGE ANALYTICAL LABORATORIES

Qualifier Definitions

Reference Number: 11-11910
Report Date: 08/19/11

Qualifier	Definition
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
LR	Low recovery can not be accounted for. However, there is adequate sensitivity to detect the compound at the lower PQL. No sample detections so no further action for this analysis batch.

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

EDGE ANALYTICAL LABORATORIES

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 11-11910
Report Date: 08/19/11

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
8260S_110815						
26091	1,2 - DICHLOROETHANE-d4 (SURR)	78		%	8260B	Acceptance Range is 70-130%
	4-BROMOFLUOROBENZENE (Surr)	90		%		Acceptance Limits 60-130
	d8-TOLUENE (Surr)	97		%		Acceptance Range: 50-150%
8260S_110815						
26092	1,2 - DICHLOROETHANE-d4 (SURR)	101		%	8260B	Acceptance Range is 70-130%
	4-BROMOFLUOROBENZENE (Surr)	80		%		Acceptance Limits 60-130
	d8-TOLUENE (Surr)	101		%		Acceptance Range: 50-150%
8260S_110815						
26093	1,2 - DICHLOROETHANE-d4 (SURR)	106		%	8260B	Acceptance Range is 70-130%
	4-BROMOFLUOROBENZENE (Surr)	110		%		Acceptance Limits 60-130
	d8-TOLUENE (Surr)	98		%		Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE ...)

11-11910
26091 - 26093

PAGE 1 OF 1

FILE: NW HYDROGEO CONSULTANTS

REPORT TO: NW HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT, General Manager CONWAY FEED	FOR LAB USE ONLY
ADDRESS: 1941 LAKE WHATCOM BLVD B-3 #113	ADDRESS: 18700 MAIN STREET	REF# 11-11910
CITY: BELLINGHAM STATE: WA ZIP: 98229	CITY: CONWAY STATE: WA ZIP: 98238	CHECK REGULATORY PROGRAM
ATTN: DOUG DILLENBERGER	PHONE: 360. 445-5211 FAX: -	☐ SAFE DRINKING WATER ACT
PHONE: 800.457-1902 FAX: 360.734-7689	P.O.#: ATTN:	☐ CLEAN WATER ACT
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /	☐ RCRA / CERCLA
PROJECT NAME: 2K1004-1 CONWAY FEED	CARD#	■ OTHER

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Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE.
2. BE SPECIFIC IN TEST REQUESTS.
3. CHECK OFF TESTS TO BE PERFORMED FOR EACH SAMPLE.
4. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ■ STANDARD
- ☐ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE)
- ☐ OTHER

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	MATRIX	DATE	TIME	Pb	5035/8260						NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	8-01-A	REMEDIATION FIELD	GRAB	SOIL	08/01/11	9:00	■	☒	☐	☐	☐	☐	☐	1	
2	"	"	"	"	"	"	☐	■	☐	☐	☐	☐	☐	2	
3	8-01-B	"	"	"	"	9:15	■	☐	☐	☐	☐	☐	☐	1	
4	"	"	"	"	"	"	☐	■	☐	☐	☐	☐	☐	2	
5	8-01-C	"	"	"	"	9:30	■	☐	☐	☐	☐	☐	☐	1	
6	"	"	"	"	"	"	☐	■	☐	☐	☐	☐	☐	2	
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐		

SAMPLED BY: DOUG DILLENBERGER | PHONE: 800.457-1902 | FAX: 360.734-7689 | EMAIL: joyce@datalinkwest.com JJ | 9 ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
joyce Dillenberger	08/01/11				
DOUG DILLENBERGER					
			Chelsea	8/1/11	957

	YES	NO	N/A
CUSTODY SEALS INTACT (WT)	☐	☐	☒
SAMPLE TEMP 10 °C SATISFACTORY	☒	☐	☐
SAMPLES RECEIVED INTACT	☒	☐	
CHAIN OF CUSTODY & LABELS AGREE	☒	☐	

FORM: COC 9-22-2005

Chain of Custody / Analysis Requ 11-09338

20365 - 20367

Page 1 of 1

12971

Soils 6-20-11

. plicable shaded sections)

IroGeo Consultants	
Whatcom Blvd B-3 #113	
am st: WA zip: 98229	
g Dillenberger	
-4955 FAX: 734-7689	
geo@msn.com - see below -	
. -)	

BILL TO:
SCOTT McKNIGHT, Gen. Mgr.
CONWAY FEED

18700 Main Street
Conway, WA 98238
360.445-5211

For Lab Use Only
Ref # 11-09338

Check Regulatory Program
- Safe Drinking Water Act
- Clean Water Act
- RCRA / CERCLA
- ✓ Other

EDGE ANALYTICAL LABORATORIES
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions
1. Use one line per sample Location.
2. Be specific in analysis requests.
3. *(NEW)* List each metal individually *(NEW)*
4. Check off analyses to be performed for each sample Loaction.
5. Enter number of containers.

Turn Around Time Required
- Standard
- Half-time (50% surcharge)
- Quickest (100% surcharge) Phone Call Req.
- Emergency (Phone Call Req.)

Analyses Requested

CO012971

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	BTEX	dg	Number of Containers	Special Instructions Conditions on Receipt
1	6-20-1		✓	Soil	6-20	1:50	✓	✓		
2	6-20-2		✓	Soil	6-20	2:00	✓	✓		
3	6-20-3		✓	Soil	6-20	2:10	✓	✓		
4	~~6-20-4~~									
5	~~6-20-5~~									
6	~~6-20-6~~									
7										
8										
9										
10										

Sampled by: DOUG DILLENBERGER Phone: 800.457-1902 FAX: 360.734-7689 Email: joyce@datalinkwest.com Total Containers

Sample Receipt Request (Must include FAX or Email)

* **W** - water **SW** - surface water **WW** - waste water **OL** - oil
DW - drinking water **GW** - Ground water **S** - soil Other_____

Relinquished by	Date	Time	Received by	Date	Time
[signature]	6-21	5:00			
DOUG DILLENBERGER			[signature]	6/20/11	1500

	Yes	No	N/A
Custody seals intact	(WT)		
Sample temp 8 C satisfactory	✓		
Samples received intact	✓		
Chain of custody & labels agree	✓		

FORM COC 01-06-2009

Chain of Custody / Analysis Requ 11-09338

20365 - 20367

Page 1 of 1

12971

...plicable shaded sections)

Report to:	NW HydroGeo Consultants
Ship Address:	1941 Lk Whatcom Blvd B-3 #113
City:	Bellingham St: WA Zip: 98229
Attn:	Mr. Doug Dillenberger
Phone:	360.734-4955 FAX: 734-7689
Email:	nwhydrogeo@msn.com - see below -
Project	2K1004-1

BILL TO:
SCOTT McKNIGHT, Gen. Mgr.
CONWAY FEED

18700 Main Street
Conway, WA 98238
360.445-5211

For Lab Use Only
Ref # 11-09338

Check Regulatory Program
- ☐ Safe Drinking Water Act
- ☐ Clean Water Act
- ☐ RCRA / CERCLA
- ✓ Other

EDGE ANALYTICAL LABORATORIES
1620 S. Walnut St.
Burlington, WA 98233
1.800.755.9295

805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

Instructions
1. Use one line per sample Location.
2. Be specific in analysis requests.
3. *(NEW)* List each metal individually *(NEW)*
4. Check off analyses to be performed for each sample Loaction.
5. Enter number of containers.

Turn Around Time Required
- ☐ Standard
- ☐ Half-time (50% surcharge)
- ☐ Quickest (100% surcharge) Phone Call Req.
- ☐ Emergency (Phone Call Req.)

Analyses Requested

CO012971

	Field ID	Location	Grab/ Comp.	Sample Matrix*	Date	Time	BTEX	Pb	Number of Containers	Special Instructions Conditions on Receipt
1	6-20-1		✓	Soil	6-20	1:50	✓	✓		
2	6-20-2		✓	Soil	6-20	2:00	✓	✓		
3	6-20-3		✓	Soil	6-20	2:10	✓	✓		
4	~~6-20-4~~									
5	~~6-20-5~~									
6	~~6-20-6~~									
7										
8										
9										
10										

Sampled by: DOUG DILLENBERGER Phone: 800.457-1902 FAX: 360.734-7689 Email: joyce@datalinkwest.com Total Containers

* **W** - water **SW** - surface water **WW** - waste water **OL** - oil
DW - drinking water **GW** - Ground water **S** - soil Other_____

Sample Receipt Request (Must include FAX or Email)

Relinquished by	Date	Time	Received by	Date	Time
DOUG DILLENBERGER	6-21-11	3:00		6/20/11	1500

	Yes	No	N/A
Custody seals intact	WT		
Sample temp 0 C satisfactory			
Samples received intact	✓		
Chain of custody & labels agree	✓		

FORM COC 01-06-2009

EDGE ANALYTICAL LABORATORIES

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Corporate Office | 800.755.9295 • 360.757.1400 • 360.757.1402fax
Bellingham WA | 805 Orchard Dr Suite 4 · 98225
Microbiology | 360.671.0688 • 360.671.1577fax

June 23, 2011

Sample Receipt

FAX Number: 360-734-7689

NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Dear Scott,

We received the following samples for project **"2K1004-1"** on **6/20/2011** at **3:00 pm.** This project is expected to be completed by **July 05, 2011.** The temperature of the sample cooler was **8C.** If you have any questions concerning this project please refer to reference number **11-09338.**

LAB NUMBER	CLIENT SAMPLE ID#	Date Sampled	Sampled By	Status	COMMENTS
20365	6-20-1/2K1004-1	6/20/11 1:50 pr	Doug Dillenberger	Pending	
20366	6-20-2/2K1004-1	6/20/11 12:00 a	Doug Dillenberger	Pending	
20366	6-20-2/2K1004-1	6/20/11 1:50 pr	Doug Dillenberger	Pending	
20366	6-20-2/2K1004-1	6/20/11 2:00 pr	Doug Dillenberger	Pending	
20367	6-20-3/2K1004-1	6/20/11 12:00 a	Doug Dillenberger	Pending	
20367	6-20-3/2K1004-1	6/20/11 1:50 pr	Doug Dillenberger	Pending	
20367	6-20-3/2K1004-1	6/20/11 2:10 pr	Doug Dillenberger	Pending	

ADDITIONAL COMMENTS:

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Portland OR
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503.682.7602

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 11-09338
Project: 2K1004-1
Report Date: 6/27/11
Date Received: 6/20/11
Peer Review:

Sample Description: 6-20-1 - 2K1004-1
Lab Number: 20365
Date 6/21/11

Sample Date: 6/20/11
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.00019	mg/Kg	8260B/5035A	GXS_110621	
TOLUENE	ND		1	7.0	0.10	0.0002	mg/Kg	8260B/5035A	GXS_110621	
ETHYLBENZENE	ND		1	6.0	0.10	0.00021	mg/Kg	8260B/5035A	GXS_110621	
TOTAL XYLENES	ND		1	9.0	0.20	0.00027	mg/Kg	8260B/5035A	GXS_110621	

Sample Description: 6-20-2 - 2K1004-1
Lab Number: 20366
Date 6/21/11

Sample Date: 6/20/11
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.01	mg/Kg	8260B/5035A	GXS_110621	
TOLUENE	ND		1	7.0	0.10	0.01	mg/Kg	8260B/5035A	GXS_110621	
ETHYLBENZENE	ND		1	6.0	0.10	0.01	mg/Kg	8260B/5035A	GXS_110621	
TOTAL XYLENES	ND		1	9.0	0.20	0.01	mg/Kg	8260B/5035A	GXS_110621	

Sample Description: 6-20-3 - 2K1004-1
Lab Number: 20367
Date 6/21/11

Sample Date: 6/20/11
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.03	0.025	0.00019	mg/Kg	8260B/5035A	GXS_110621	
TOLUENE	0.2		1	7.0	0.10	0.0002	mg/Kg	8260B/5035A	GXS_110621	
ETHYLBENZENE	ND		1	6.0	0.10	0.00021	mg/Kg	8260B/5035A	GXS_110621	
TOTAL XYLENES	ND		1	9.0	0.20	0.00027	mg/Kg	8260B/5035A	GXS_110621	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

EDGE ANALYTICAL LABORATORIES

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Microbiology/Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 11-09338
Project: 2K1004-1

Report Date: 7/8/11
Date Received: 6/20/11
Reviewed by:

Sample Description: 6-20-1 - 2K1004-1
Lab Number: 20365
Sample Date: 6/20/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	6.23	1.09	1.09		mg/Kg	1.00	6010B/3051	6/24/11	BJ	6010B-110624A	

Sample Description: 6-20-2 - 2K1004-1
Lab Number: 20366
Sample Date: 6/20/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	2.14	0.92	0.92		mg/Kg	1.00	6010B/3051	7/6/11	BJ	6010B-110706A	

Sample Description: 6-20-3 - 2K1004-1
Lab Number: 20367
Sample Date: 6/20/11
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MRL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	1.70	0.98	0.98		mg/Kg	1.00	6010B/3051	7/6/11	BJ	6010B-110706A	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact Lawrence Henderson at the above phone number.

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503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-110624A	LEAD	0.89	1	mg/L	6010B	89	70-130		LFB	
6010B-110706A	LEAD	1	1	mg/L	6010B	100	70-130		LFB	
GXS_110621	BENZENE	0.91	1	mg/Kg	8260B	91	70-130		LFB	
	d8-TOLUENE (Surr)	104		%	8260B					
	ETHYLBENZENE	0.88	1	mg/Kg	8260B	88	70-130			
	TOLUENE	0.93	1	mg/Kg	8260B	93	70-130			
	TOTAL XYLENES	2.61	3	mg/Kg	8260B	87	70-130			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

EDGE ANALYTICAL LABORATORIES

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503.682.7602

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110624A	LEAD	ND		mg/L	6010B		0.00100		LRB	
6010B-110706A	LEAD	ND		mg/L	6010B		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
6010B-110624A	LEAD	ND		mg/L	6010B		3.12000		MB	
6010B-110706A	LEAD	ND		mg/L	6010B		3.12000		MB	
GXS_110621	BENZENE	ND		mg/Kg	8260B		0.06000		MB	TB 11-09338
	d8-TOLUENE (Surr)	101		%	8260B					TB 11-09338
	ETHYLBENZENE	ND		mg/Kg	8260B		0.06000			TB 11-09338
	TOLUENE	ND		mg/Kg	8260B		0.06000			TB 11-09338
	TOTAL XYLENES	ND		mg/Kg	8260B		0.06000			TB 11-09338

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 11-09338
Report Date: 07/08/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
6010B-110624A	LEAD	1	1	mg/L	6010B	100	70-130		QCS	
6010B-110706A	LEAD	1.01	1	mg/L	6010B	101	70-130		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 11-09338
Report Date: 7/8/2011

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
GXS_110621										
	20365	d8-TOLUENE (Surr)	101	101	%	0.0			DUP	
	20367	TOLUENE	0.2	0.14	mg/Kg	35.3	0-50	ST	DUP	
	20367	d8-TOLUENE (Surr)	101	103	%	2.0			DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 11-09338
Report Date: 7/8/2011

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
GXS_110621															
	20366	BENZENE	ND	0.91		1	mg/Kg	91	NA	70-130	NA	0-60		LFM	
	20366	TOLUENE	ND	0.92		1	mg/Kg	92	NA	70-130	NA	0-60		LFM	
	20366	ETHYLBENZENE	ND	0.85		1	mg/Kg	85	NA	70-130	NA	0-60		LFM	
	20366	TOTAL XYLENES	ND	2.53		3	mg/Kg	84	NA	70-130	NA	0-60		LFM	
	20366	d8-TOLUENE (Surr)	102	104			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

EDGE ANALYTICAL LABORATORIES

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 11-09338
Report Date: 07/08/11

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
GXS_110621 20365	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range: 50-150%
GXS_110621 20366	d8-TOLUENE (Surr)	102		%	8260B	Acceptance Range: 50-150%
GXS_110621 20367	d8-TOLUENE (Surr)	101		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

EDGE ANALYTICAL LABORATORIES

Qualifier Definitions

Reference Number: 11-09338
Report Date: 07/08/11

Qualifier	Definition
INH	The sample was non-homogeneous
IS	The ratio of the spike concentration to sample background was too low to meet performance criteria
ST	Statistical limits do not apply for method 5035a

Note: Some qualifier definitions found on this page may pertain to results or QC data which are not printed with this report.

FORM: QualifierDefs

Ground Water Samples Collected on:
December 30, 2010

EDGE ANALYTICAL LABORATORIES

Burlington WA	Bellingham WA	Portland OR
Corporate Office	*Microbiology*	*Microbiology/Chemistry*
1620 S Walnut St - 98233	805 Orchard Dr Ste 4 - 98225	9150 SW Pioneer Ct Ste W- 97070
800.755.9295 • 360.757.1400	360.671.0688	503.682.7802

January 7, 2011

Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-19541 - Conway Feed 2K 1004

Dear Doug Dillenberger,

Your project: Conway Feed 2K 1004, was received on Thursday December 30, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

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Bellingham WA
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360.671.0688

Portla R
Microbiology, Chemistry
9150 SW Pioneer Ct Ste W- 97070
503.682.7802

Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-19541**
Project: Conway Feed 2K 1004

Report Date: 1/7/11
Date Received: 12/30/10
Reviewed by: JM

Sample Description: 1 - Conway Feed Co. Conway Pit
Lab Number: 43754

Sample Date: 12/30/10 2:15 pm
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	0.003	0.0005	4.19E-05	mg/L	1.0	200.8/3010A	1/6/11	MVP	200.8_110106WW	

Notes:
ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cResult.rpt

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Microbiol... ...emistry
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503.682.7602

Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-19541**
Project: Conway Feed 2K 1004
Report Date: 1/6/11
Date Received: 12/30/10
Peer Review:

Sample Description: 1 - Conway Feed Co. Conway Pit
Lab Number: 43754
Date 1/5/11

Sample Date: 12/30/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.005	0.0004	0.00021	mg/L	8260B/5030B	GXW_110105	
TOLUENE	ND		1	1.00	0.0004	0.00018	mg/L	8260B/5030B	GXW_110105	
ETHYLBENZENE	ND		1	0.70	0.0004	0.00015	mg/L	8260B/5030B	GXW_110105	
TOTAL XYLENES	ND		1	1.00	0.0008	0.0005	mg/L	8260B/5030B	GXW_110105	
GASOLINE (C8 - C12)	ND		1	1	0.10	0.039	mg/L	8260B/5030B	GXW_110105	

Notation:
ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001
The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

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Form: cHCID.rpt

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-19541
Report Date: 01/07/11

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
GXW_110105						
43754	4-BROMOFLUOROBENZENE (Surr)	86		%	8260B	Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	99		%		Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110106WW	LEAD	0.040	0.040	mg/L	200.8	100	85-115		LFB	
GXW_110105	BENZENE	0.0042	0.004	mg/L	8260B	105	80-120		LFB	
	d8-TOLUENE (Surr)	100		%	8260B					
	ETHYLBENZENE	0.0043	0.004	mg/L	8260B	108	80-120			
	GASOLINE (C8 - C12)	0.514	0.5	mg/L	8260B	103	80-120			
	TOLUENE	0.0041	0.004	mg/L	8260B	103	80-120			
	TOTAL XYLENES	0.0131	0.012	mg/L	8260B	109	80-120			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

FORM: QC Independent

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
200.8_110106WV	LEAD	ND		mg/L	200.8		0.00100		LRB	

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110106WV	LEAD	ND		mg/L	200.8		0.00030		MB	
GXW_110105	BENZENE	ND		mg/L	8260B		0.00013		MB	
	d8-TOLUENE (Surr)	98		%	8260B					
	ETHYLBENZENE	ND		mg/L	8260B		0.00013			
	GASOLINE (C8 - C12)	ND		mg/L	8260B		0.06000			
	TOLUENE	ND		mg/L	8260B		0.00013			
	TOTAL XYLENES	ND		mg/L	8260B		0.00013			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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FORM: QC Independent

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110106WV	LEAD	0.039	0.040	mg/L	200.8	98	85-115		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-19541
Report Date: 1/7/2011

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
200.8_110106WW										
	43352	LEAD	15	15	ug/L	0.0	0-20		DUP	
	43695	LEAD	1.1	1.1	ug/L	0.0	0-20		DUP	
GXW_110105										
	42495	BENZENE	0.070	0.070	mg/L	0.0	0-45		DUP	
	42495	TOLUENE	0.076	0.076	mg/L	0.0	0-45		DUP	
	42495	ETHYLBENZENE	0.005	0.005	mg/L	0.0	0-45		DUP	
	42495	TOTAL XYLENES	0.046	0.045	mg/L	2.2	0-45		DUP	
	42495	d8-TOLUENE (Surr)	100	100	%	0.0			DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-19541
Report Date: 1/7/2011

EDGE ANALYTICAL LABORATORIES

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
200.8_110106WW															
	43352	LEAD	15	988		1000	ug/L	97		70-130	NA	0-60		LFM	
	43557	LEAD	ND	0.048		0.050	mg/L	96		70-130	NA	0-60		LFM	
	43695	LEAD	1.1	49.3		50	ug/L	96		70-130	NA	0-60		LFM	
GXW_110105															
	43754	BENZENE	ND	0.0049		0.005	mg/L	98	NA	70-130	NA	0-60		LFM	
	43754	TOLUENE	ND	0.0048		0.005	mg/L	96	NA	70-130	NA	0-60		LFM	
	43754	ETHYLBENZENE	ND	0.0049		0.005	mg/L	98	NA	70-130	NA	0-60		LFM	
	43754	TOTAL XYLENES	ND	0.0146		0.015	mg/L	97	NA	70-130	NA	0-60		LFM	
	43754	d8-TOLUENE (Surr)	99	101			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only D[illegible] samp[illegible] detec[illegible] liste[illegible] repor[illegible]

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE____ OF ____

REPORT TO: NORTHWEST HYDROGEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT, MGR	FOR LAB USE ONLY
ADDRESS: 1941 LKWHATCOM BLVD. B-3 #113	ADDRESS: CONWAY FEED PO BOX 576	REF# 10-19541
CITY: BELLINGHAM STATE: WA ZIP: 98229	CITY: CONWAY STATE: WA ZIP: 98	CHECK REGULATORY PROGRAM
ATTN: DOUG DILLENBERGER	PHONE: 360 445-5211 FAX:	☐ SAFE DRINKING WATER ACT
PHONE: 360. 734-4955 FAX: 360 734-7689	P.O.#: ATTN:	☐ CLEAN WATER ACT
EMAIL: joyce@dolatalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /	☐ RCRA / CERCLA
PROJECT NAME: CONWAY FEED 2K1004	CARD#	☒ OTHER

EDGE ANALYTICAL LABORATORIES

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1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE LOCATION.
2. SPECIFIC IN TEST REQUESTS.
3. LIST EACH METAL INDIVIDUALLY.
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ☐ STANDARD
- ☒ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	SAMPLE MATRIX*	DATE	TIME	NWTPH-BTEX	PD						NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1		CONWAY FEED Co.			12/30 2010	2:15	☒	☒	☐	☐	☐	☐	☐	3	
2	1	CONWAY PIT		water			☐	☐	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐	3	

10-19541
43754

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: EMAIL: ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐ *W- WATER SW- SURFACE WATER WW- WASTE WATER OL- OIL DW- DRINKING WATER GW- GROUND WATER S- SOIL OTHER_____

wi

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			HH	12/30/10	1458
DOUG DILLENBERGER	12/30/10	2:55			

	YES	NO	N/A
CUSTODY SEALS INTACT	☐	☐	☒
SAMPLE TEMP 5 °C SATISFACTORY	☒	☐	☐
SAMPLES RECEIVED INTACT	☒	☐	
CHAIN OF CUSTODY & LABELS AGREE	☒	☐	

FORM: COC 01-06-2009

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January 7, 2011

Doug Dillenberger
NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

RE: 10-19541 - Conway Feed 2K 1004

Dear Doug Dillenberger,

Your project: Conway Feed 2K 1004, was received on Thursday December 30, 2010.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report

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Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: **10-19541**
Project: Conway Feed 2K 1004

Report Date: 1/7/11
Date Received: 12/30/10
Reviewed by:

Sample Description: 1 - Conway Feed Co. Conway Pit
Lab Number: 43754

Sample Date: 12/30/10 2:15 pm
Collected By: Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	LEAD	0.003	0.0005	4.19E-05	mg/L	1.0	200.8/3010A	1/6/11	MVP	200.8_110106WW	

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lake Whatcom Blvd B3 #113
Bellingham, WA 98229

Reference Number: 10-19541
Project: Conway Feed 2K 1004
Report Date: 1/6/11
Date Received: 12/30/10
Peer Review:

Sample Description: 1 - Conway Feed Co. Conway Pit
Lab Number: 43754
Date 1/5/11

Sample Date: 12/30/10
Collected By: Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	ND		1	0.005	0.0004	0.00021	mg/L	8260B/5030B	GXW_110105	
TOLUENE	ND		1	1.00	0.0004	0.00018	mg/L	8260B/5030B	GXW_110105	
ETHYLBENZENE	ND		1	0.70	0.0004	0.00015	mg/L	8260B/5030B	GXW_110105	
TOTAL XYLENES	ND		1	1.00	0.0008	0.0005	mg/L	8260B/5030B	GXW_110105	
GASOLINE (C8 - C12)	ND		1	1	0.10	0.039	mg/L	8260B/5030B	GXW_110105	

Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110106WW	LEAD	0.040	0.040	mg/L	200.8	100	85-115		LFB	
GXW_110105	BENZENE	0.0042	0.004	mg/L	8260B	105	80-120		LFB	
	d8-TOLUENE (Surr)	100		%	8260B					
	ETHYLBENZENE	0.0043	0.004	mg/L	8260B	108	80-120			
	GASOLINE (C8 - C12)	0.514	0.5	mg/L	8260B	103	80-120			
	TOLUENE	0.0041	0.004	mg/L	8260B	103	80-120			
	TOTAL XYLENES	0.0131	0.012	mg/L	8260B	109	80-120			

*Notation:

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110106WW	LEAD	ND		mg/L	200.8		0.00100		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

MB or LRB: Method Blank or Laboratory Reagent Blank, an aliquot of reagent matrix is analyzed exactly like a sample, and its purpose is to determine if there is background contamination.

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360.671.0688

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503.682.7802

SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	QC Limits	Qualifier	Type*	Comment
200.8_110106WW	LEAD	ND		mg/L	200.8		0.00030		MB	
GXW_110105	BENZENE	ND		mg/L	8260B		0.00013		MB	
	d8-TOLUENE (Surr)	98		%	8260B					
	ETHYLBENZENE	ND		mg/L	8260B		0.00013			
	GASOLINE (C8 - C12)	ND		mg/L	8260B		0.06000			
	TOLUENE	ND		mg/L	8260B		0.00013			
	TOTAL XYLENES	ND		mg/L	8260B		0.00013			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 10-19541
Report Date: 01/07/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110106WW	LEAD	0.039	0.040	mg/L	200.8	98	85-115		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

LFB: Laboratory Fortified Blank, an aliquot of reagent matrix to which known quantities of method analytes are added in the lab. The LFB is analyzed exactly like a sample, and its purpose is to determine whether method performance is within accepted control limits.

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FORM: QC Independent

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SAMPLE DEPENDENT QUALITY CONTROL REPORT

Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 10-19541
Report Date: 1/7/2011

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
200.8_110106WW										
	43352	LEAD	15	15	ug/L	0.0	0-20		DUP	
	43695	LEAD	1.1	1.1	ug/L	0.0	0-20		DUP	
GXW_110105										
	42495	BENZENE	0.070	0.070	mg/L	0.0	0-45		DUP	
	42495	TOLUENE	0.076	0.076	mg/L	0.0	0-45		DUP	
	42495	ETHYLBENZENE	0.005	0.005	mg/L	0.0	0-45		DUP	
	42495	TOTAL XYLENES	0.046	0.045	mg/L	2.2	0-45		DUP	
	42495	d8-TOLUENE (Surr)	100	100	%	0.0			DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 10-19541
Report Date: 1/7/2011

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
200.8_110106WW															
	43352	LEAD	15	988		1000	ug/L	97		70-130	NA	0-60		LFM	
	43557	LEAD	ND	0.048		0.050	mg/L	96		70-130	NA	0-60		LFM	
	43695	LEAD	1.1	49.3		50	ug/L	96		70-130	NA	0-60		LFM	
GXW_110105															
	43754	BENZENE	ND	0.0049		0.005	mg/L	98	NA	70-130	NA	0-60		LFM	
	43754	TOLUENE	ND	0.0048		0.005	mg/L	96	NA	70-130	NA	0-60		LFM	
	43754	ETHYLBENZENE	ND	0.0049		0.005	mg/L	98	NA	70-130	NA	0-60		LFM	
	43754	TOTAL XYLENES	ND	0.0146		0.015	mg/L	97	NA	70-130	NA	0-60		LFM	
	43754	d8-TOLUENE (Surr)	99	101			%		NA		NA			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 10-19541
Report Date: 01/07/11

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
GXW_110105						
43754	4-BROMOFLUOROBENZENE (Surr)	86		%	8260B	Acceptance Range is 70-130%
	d8-TOLUENE (Surr)	99		%		Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE ____ OF ____

REPORT TO: Northwest Hydrogeo Consultants	BILL TO: Scott McKnight, MGR
ADDRESS: 1941 Ironwood Blvd. B-3 #113	ADDRESS: Conway Feed PO Box 576
CITY: Bellingham STATE: WA ZIP: 98229	CITY: Conway STATE: WA ZIP: 98
ATTN: Doug Dilleiberger	PHONE: 360-445-5211 FAX:
PHONE: 360-734-4955 FAX: 360-734-7689	P.O.#: ATTN:
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME: Conway Feed 2K1004	CARD#

FOR LAB USE ONLY

REF# 10-19541

CHECK REGULATORY PROGRAM

- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ☒ OTHER

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Microbiology
805 W. Orchard Dr. Suite 4
Bellingham, WA 98225

INSTRUCTIONS
1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW: LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED
- ☐ STANDARD
- ☒ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	SAMPLE MATRIX*	DATE	TIME	mu/TPH - BTEX	PAH						NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1		Conway Feed Co.			12/30 2010	2:15	☒	☒	☐	☐	☐	☐	☐	5	
2	1	Conway Pit		water			☐	☐	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐		
5							☒	☒	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐	3	

10-19541
43754

SAMPLED BY: Doug Dilleiberger PHONE: 360-734-4955 FAX: EMAIL: ◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐ *W- WATER SW- SURFACE WATER WW- WASTE WATER OL- OIL
DW- DRINKING WATER GW- GROUND WATER S- SOIL OTHER_____

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
Doug Dilleiberger	12/30/10	2:55	HH	12/30/10	1458

	YES	NO	N/A
CUSTODY SEALS INTACT	☐	☐	☒
SAMPLE TEMP 5 °C SATISFACTORY	☒	☐	☐
SAMPLES RECEIVED INTACT	☒	☐	
CHAIN OF CUSTODY & LABELS AGREE	☒	☐	

FORM: COC 01-06-2009

CHAIN OF CUSTODY / ANALYSIS REQUEST (PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE ____ OF ____

REPORT TO: NORTHWEST HYDRO CEO CONSULTANTS	BILL TO: SCOTT MCKNIGHT, MGR
ADDRESS: 1941 HUNTWATER BLVD. B-3 #113	ADDRESS: CONWAY FEED PO BOX 576
CITY: BELLINGHAM STATE: WA ZIP: 98229	CITY: CONWAY STATE: WA ZIP: 98
ATTN: DOUG DILLENBERGER	PHONE: 360 445-5211 FAX:
PHONE: 360. 734-4955 FAX: 360 734-7689	P.O.#: ATTN:
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME: CONWAY FEED 2K1004	CARD#

FOR LAB USE ONLY

REF#

CHECK REGULATORY PROGRAM

- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ☒ OTHER

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INSTRUCTIONS

1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED

- ☐ STANDARD
- ☒ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS REQUESTED

	SAMPLE ID	LOCATION	GRAB/ COMP.	SAMPLE MATRIX*	DATE	TIME	MultiPH - BTEX	PD						NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1		CONWAY FEED Co.		W	12/30	2:15	☒	☒	☐	☐	☐	☐	☐	3	
2	1	CONWAY PIT		water	2010		☐	☐	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐		
6							☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐	3	

SAMPLED BY: DOUG DILLENBERGER PHONE: 360 734-4955 FAX: EMAIL:

◀TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐

*W- WATER SW- SURFACE WATER WW- WASTE WATER OL- OIL
DW- DRINKING WATER GW- GROUND WATER S- SOIL OTHER ____

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
			HH	12/30/10	1458
DOUG DILLENBERGER	12/30/10	2:55			

	YES	NO	N/A
CUSTODY SEALS INTACT	☐	☐	☒
SAMPLE TEMP 5 °C SATISFACTORY	☒	☐	☐
SAMPLES RECEIVED INTACT	☒	☐	
CHAIN OF CUSTODY & LABELS AGREE	☒	☐	

FORM: COC 01-06-2009

Ground Water Samples Collected on:
July 22, 2011

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503.682.7802

August 16, 2011

Mr. Doug Dillenberger
NW HydroGeo Consultants
1941 Lk Whatcom Blvd B-3 #113
Bellingham, WA 98229

RE: 11-11361 - Conway Feed 2K1004-1

Dear Mr. Doug Dillenberger,

Your project: Conway Feed 2K1004-1, was received on Friday July 22, 2011.
All samples were analyzed within the accepted holding times, were appropriately preserved and were analyzed according to approved analytical protocols. The quality control data was within laboratory acceptance limits, unless specified in the QA reports.

If you have questions phone us at 800 755-9295.

Respectfully Submitted,

Lawrence J Henderson, PhD
Director of Laboratories

Enclosures Data Report
QC Reports
Chain of Custody

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Data Report

Client Name: NW HydroGeo Consultants
1941 Lk Whatcom Blvd B-3 #113
Bellingham, WA 98229

Reference Number: **11-11361**
Project: Conway Feed 2K1004-1

Report Date: 8/16/11
Date Received: 7/22/11
Reviewed by: JM

Sample Description: 1-Lead - Pit
Lab Number: 24929

Sample Date: 7/22/11 9:20 am
Collected By: Mr. Doug Dillenberger

CAS ID#	Parameter	Result	PQL	MDL	Units	DF	Method	Analyzed	Analyst	Batch	Comment
7439-92-1	**LEAD**	0.032	0.0005	4.19E-05	mg/L	1.0	200.8/3010A	7/29/11	MVP	200.8_110729WW	

Notes:

ND = Not detected above the listed practical quantitation limit (PQL) or not above the Method Detection Limit (MDL), if requested.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor

If you have any questions concerning this report contact us at the above phone number.

Form: cResult.rpt

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Hydrocarbon Data Report

Client Name: NW HydroGeo Consultants
1941 Lk Whatcom Blvd B-3 #113
Bellingham, WA 98229

Reference Number: **11-11361**
Project: Conway Feed 2K1004-1
Report Date: 8/16/11
Date Received: 7/22/11
Peer Review:

Sample Description: 2-BTEX - Pit
Lab Number: 24930
Date 8/3/11

Sample Date: 7/22/11
Collected By: Mr. Doug Dillenberger
Analyzed By: HY

Parameter	Result	Flag	DF	Cleanup Level	PQL	MDL	Units	Method	Batch	Comment
BENZENE	**ND**		1	0.005	0.0004	0.00019	mg/L	8260B/5030B	BTEXW_110803	
TOLUENE	**2**		500	1.00	0.2000	0.1	mg/L	8260B/5030B	BTEXW_110803	
ETHYLBENZENE	**0.0004**		1	0.70	0.0004	0.00021	mg/L	8260B/5030B	BTEXW_110803	
TOTAL XYLENES	**0.0009**		1	1.00	0.0008	0.00027	mg/L	8260B/5030B	BTEXW_110803	

Notation:

ND - A result of "ND" indicates that the compound was not detected above the Lab's Method Reporting Limit - MRL.
PQL = Practical Quantitation Limit is the lowest level that can be achieved within specified limits of precision and accuracy during routine laboratory operating conditions.
D.F. - Dilution Factor
Cleanup Level - The regulatory limit for Method A Cleanup Levels (MTCA, Chapter173-340 WAC) contaminants in the specified matrix. Amended Feb 12, 2001

The Cleanup level for Gasoline Range Organics (GRO) is 100 mg/Kg for gas mixtures without benzene and when the total ethylbenzene, toluene and xylenes are less than 1% of the gasoline concentration. The Cleanup level for GRO is 30 mg/Kg for all other mixtures.

If you have any questions concerning this report contact us at the above phone number.
Form: cHCID.rpt

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Fortified Blank

Reference Number: 11-11361
Report Date: 08/16/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110729WV	LEAD	0.040	0.040	mg/L	200.8	100	85-115		LFB	
BTEXW_110803	BENZENE	0.0037	0.004	mg/L	8260B	93	80-120		LFB	
	d8-TOLUENE (Surr)	105		%	8260B					
	ETHYLBENZENE	0.0037	0.004	mg/L	8260B	93	80-120			
	TOLUENE	0.0036	0.004	mg/L	8260B	90	80-120			
	TOTAL XYLENES	0.0103	0.012	mg/L	8260B	86	80-120			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Laboratory Reagent Blank

Reference Number: 11-11361
Report Date: 08/16/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110729WV	LEAD	ND		mg/L	200.8		0.00050		LRB	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Method Blank

Reference Number: 11-11361
Report Date: 08/16/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110729WV	LEAD	ND		mg/L	200.8		0.00050		MB	
BTEXW_110803	BENZENE	ND		mg/L	8260B		0.00013		MB	
	d8-TOLUENE (Surr)	100		%	8260B					
	ETHYLBENZENE	ND		mg/L	8260B		0.00013			
	TOLUENE	ND		mg/L	8260B		0.00013			
	TOTAL XYLENES	ND		mg/L	8260B		0.00013			

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

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SAMPLE INDEPENDENT QUALITY CONTROL REPORT

Quality Control Sample

Reference Number: 11-11361
Report Date: 08/16/11

Batch	Analyte	Result	True Value	Units	Method	% Recovery	Limits	QC Qualifier	Type*	Comment
200.8_110729WV	LEAD	0.037	0.040	mg/L	200.8	93	85-115		QCS	

*Notation:

% Recovery = (Result of Analysis)/(True Value) * 100

NA = Indicates % Recovery could not be calculated.

QCS: Quality Control Sample, a solution containing known concentrations of method analytes which is used to fortify an aliquot of reagent matrix. The QCS is obtained from an external source and is used to check lab performance.

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FORM: QC Independent

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503.682.7802

SAMPLE DEPENDENT QUALITY CONTROL REPORT
Duplicate, Matrix Spike/Matrix Spike Duplicate and Confirmation Result Report

Reference Number: 11-11361
Report Date: 8/16/2011

Duplicate

Batch	Sample	Analyte	Result	Duplicate Result	Units	%RPD	Limits	QC Qualifier	Type	Comments
200.8_110729WW										
	25281	LEAD	0.003	0.003	mg/L	**0.0**	0-20		DUP	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

Reference Number: 11-11361
Report Date: 8/16/2011

Matrix Spike

Batch	Sample	Analyte	Result	Spike Result	Duplicate Spike Result	Spike Conc	Units	Percent Recovery MS	Percent Recovery MSD	Limits	%RPD	Limits	QC Qualifier	Type	Comments
200.8_110729WW															
	24616	LEAD	ND	0.053		0.050	mg/L	**106**		70-130	**NA**	0-50		LFM	
	25281	LEAD	0.003	0.051		0.050	mg/L	**96**		70-130	**NA**	0-50		LFM	
BTEXW_110803															
	24930	BENZENE	ND	2.0		2	mg/L	**100**	**NA**	70-130	**NA**	0-60		LFM	
	24930	TOLUENE	2	3.8		2	mg/L	**90**	**NA**	70-130	**NA**	0-60		LFM	
	24930	ETHYLBENZENE	0.0004	2.1		2	mg/L	**105**	**NA**	70-130	**NA**	0-60		LFM	
	24930	TOTAL XYLENES	0.0009	5.7		6	mg/L	**95**	**NA**	70-130	**NA**	0-60		LFM	
	24930	d8-TOLUENE (Surr)	112	104			%		**NA**		**NA**			LFM	

%RPD = Relative Percent Difference

NA = Indicates %RPD could not be calculated

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) analyses are used to determine the accuracy (MS) and precision (MSD) of a analytical method in a given sample matrix. Therefore, the usefulness of this report is limited to samples of similar matrices analyzed in the same analytical batch.

Only Duplicate sample with detections are listed in this report

QUALITY CONTROL REPORT
SURROGATE REPORT

Reference Number: 11-11361
Report Date: 08/16/11

Lab No	Analyte	Result	Qualifier	Units	Method	Limit
BTEXW_110803 24930	d8-TOLUENE (Surr)	112		%	8260B	Acceptance Range: 50-150%

*Notation:

A surrogate is a pure compound added to a sample in the laboratory just before processing so that the overall efficiency of a method can be determined.

The Acceptance Limits (or Control Limits) approximate a 99% confidence interval around the mean recovery.

CHAIN OF CUSTODY / ANALYSIS REQUEST

FILE: NW HYDROGEO CONSULTANTS

(PLEASE COMPLETE ALL APPLICABLE SHADED SECTIONS)

PAGE 1 OF 1

REPORT TO: DOUG DILLENBERGER	BILL TO: SCOTT MCKNIGHT, General Manager
ADDRESS: NW HYDROGEO CONSULTANTS 1941 LAKE WHATCOM BLVD B-3 #113	ADDRESS: CONWAY FEED 18700 Main Street
CITY: BELLINGHAM STATE: WA ZIP: 98229	CITY: Conway STATE: WA ZIP: 98238
ATTN: DOUG	PHONE: 360. 445-5311 FAX:
PHONE: 360. 734-4955 FAX: 360. 734-7689	P.O.#: ATTN: Scott McKnight
EMAIL: joyce@datalinkwest.com	☐ VISA ☐ M/C ☐ A/E EXPIRES /
PROJECT NAME: CONWAY FEED 2K1004-1	CARD#

FOR LAB USE ONLY

REF# 11-11361

CHECK REGULATORY PROGRAM

- ☐ SAFE DRINKING WATER ACT
- ☐ CLEAN WATER ACT
- ☐ RCRA / CERCLA
- ■ OTHER

11-11361

24929 - 24930

ANALYTICAL LABORATORIES

Corporate
1620 South Walnut St.
Burlington, WA 98233
1.800.755.9295

Microbiology
805 W. Orchard Dr. Suite 4
ham, WA 98225

FILE: NW HydroGeo Consultants

INSTRUCTIONS

1. USE ONE LINE PER SAMPLE LOCATION.
2. BE SPECIFIC IN TEST REQUESTS.
3. NEW LIST EACH METAL INDIVIDUALLY. NEW
4. CHECK OFF ANALYSIS TO BE PERFORMED FOR EACH SAMPLE LOCATION.
5. ENTER NUMBER OF CONTAINERS.

TURN AROUND TIME REQUIRED

- ■ STANDARD
- ☐ HALF-TIME (50% SURCHARGE)
- ☐ QUICKEST (100% SURCHARGE) PHONE CALL REQ.
- ☐ EMERGENCY (PHONE CALL REQUIRED)

ANALYSIS RE

	SAMPLE ID	LOCATION	GRAB/ COMP.	SAMPLE MATRIX*	DATE	TIME	Pb	BTEX						NUMBER OF CONTAINERS	SPECIAL INSTRUCTIONS/ CONDITIONS ON RECEIPT
1	(1)	PIT		Water	07/22	9:20	■	■	☐	☐	☐	☐	☐	3	NW field Blank-01
2	(2)	"		"	"	"	■	☐	☐	☐	☐	☐	☐		
3							☐	☐	☐	☐	☐	☐	☐		
4							☐	☐	☐	☐	☐	☐	☐		
5							☐	☐	☐	☐	☐	☐	☐		
6						07	☐	☐	☐	☐	☐	☐	☐		
7							☐	☐	☐	☐	☐	☐	☐		
8							☐	☐	☐	☐	☐	☐	☐		
9							☐	☐	☐	☐	☐	☐	☐		
10							☐	☐	☐	☐	☐	☐	☐		

SAMPLED BY: DOUG DILLENBERGER PHONE: 360. 734-4955 FAX: 360. 734-7689 EMAIL: joyce@datalinkwest.com

TOTAL CONTAINERS

SAMPLE RECEIPT REQUESTED (MUST INCLUDE FAX OR EMAIL) ☐

*W- WATER SW- SURFACE WATER WW- WASTE WATER OL- OIL
DW- DRINKING WATER (GW) GROUND WATER S- SOIL OTHER

RELINQUISHED BY	DATE	TIME	RECEIVED BY	DATE	TIME
	07/22/11	10:20			
DOUG DILLENBERGER					
			Ofelia	7/22/11	1020

	YES	NO	N/A
CUSTODY SEALS INTACT (WT)	☐	☐	☒
SAMPLE TEMP 11 °C SATISFACTORY	☒	☐	☐
SAMPLES RECEIVED INTACT	☒	☐	
CHAIN OF CUSTODY & LABELS AGREE	☒	☐	

FORM: COC 01-06-2009