Western Refining

GALLUP REFINERY

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September 1, 2009

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Dear Hope and Carl:

It is a pleasure to submit our 2008 Annual Groundwater Monitoring Report for the Gallup Refinery.

There are three binders in all.

We look forward to your review,

Sincerely,

Gaurav Rajen
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Gallup Refinery
Western Refining

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Binder 1

Annual Groundwater Monitoring Report:
Gallup Refinery - 2008

Western Refining
Gallup, New Mexico

August 2009

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Executive Summary

This Annual Groundwater Monitoring Report for 2008 (report) has been prepared in response to requirements stated in Groundwater Discharge Permit, GW-032, issued by the Oil Conservation Division (OCD) of the New Mexico Energy Minerals and Natural Resources Department to the Gallup Refinery owned by Western Refining ("refinery" or "facility").

This report describes monitoring and remediation activities undertaken throughout 2008, and includes conclusions and recommendations. In this Executive Summary, we provide a broad overview of groundwater impacts – all of our interpretations, conclusions, and recommendations are supported by data tables, graphs and maps in the main body of the report.

The monitoring activities have collected data that are used to characterize the nature and extent of impacts to groundwater at the refinery, and to recognize any levels of contaminants that exceed applicable standards. These standards are the New Mexico Water Quality Standards (NMWQS) set by the New Mexico Water Quality Control Commission (WQCC), and the U.S. Environmental Protection Agency's (EPA's) Maximum Contaminant Levels (MCLs). If NMWQS standards or MCLs do not exist for a contaminant, we compare levels against the EPA Regional Screening Levels set for Residential Risk-Based Screening Levels for Tap Water (RRSLs). As stated by the EPA, exceeding a RRSL does not "automatically designate a site as "dirty" or trigger a response action; however, exceeding a [RRSL] suggests that further evaluation of the potential risks by site contaminants is appropriate."[1] The EPA recommends that for a specific site, the screening levels be recalculated using site-specific data.

Essentially, there are two major sections of the Refinery which we have defined as the East and the West side. Shallow groundwater enters the refinery from the northern, southern, and eastern portions of the site and flows out along the western portions. Detailed discussions of monitoring and remediation activities in the East and the West sides, the data generated, and other issues are provided in chapters 2, 3 and 4 of the report. Chapter 5 provides detailed sets of conclusions and recommendations.

On the East side, in the north-east corner of the active refinery perimeter (but not the refinery property as a whole) a plume of Methyl-Tert Butyl Ether (MTBE) is known to exist in shallow groundwater within refinery property. This groundwater enters the refinery from the east, and then moves slowly north-west into the Facility property. In three wells, OW-14, OW-29, and OW-30, the MTBE is in the range of 0.05 to 1.3 ppm and at levels that exceed the RRSL (0.012 ppm). In this area volatile hydrocarbons have also been detected in shallow groundwater and benzene (in OW-14 at a level of 0.074 ppm) is at a level that exceeds NMWQS for drinking water (0.005 ppm). There are downgradient wells that have not yet shown more than trace levels of benzene, that is, close to the levels of detection of analytical methods. These wells are within a few hundred feet of OW-14, the well at which benzene has been detected at levels above

[1] http://www.epa.gov/reg3hscd/risk/human/rb-concentration_table/faq.htm#FAQ1

NMWQS. Therefore, benzene in the groundwater in this region is expected to move approximately 10 feet per year – this is apparent from noting the time it has taken for trace levels to be detected downgradient. The nearest drinking water well in the direction of contaminant movement is probably more than 10,000 feet away and more than 3000 feet deep – while contamination is at shallow depths of 30-50 feet. Within the perimeter of the active refinery in this north-east section, there are also several shallow recovery wells from which separate-phase hydrocarbons have been recovered and still continue to be recovered, of the order of 4 gallons total in 2008.

On the West side, there are shallow groundwater issues likely stemming from the wastewater treatment system of the refinery that consists of aeration lagoons and a series of large evaporation ponds. Immediately downgradient (within 10 feet) of the refinery's oil/water separator, a sample from a shallow groundwater monitoring well (NAPIS-2) had MTBE at a level (0.32 ppm) greater than the RRSL (0.012 ppm), a few hydrocarbons above detection levels, and benzene above the NMWQS (0.91 ppm > 0.005 ppm). Downgradient of the two aeration lagoons, a shallow monitoring well, GWM-1, has also detected benzene above NMWQS, and other hydrocarbons at detectable levels. Some of these include several polycyclic aromatic hydrocarbons (PAHs), which though below any regulatory standards, are of concern as they are long-lived and could possibly impact deeper aquifers. Some of these wells have also shown levels of chlorides and sulfates above NMWQS and/or MCL. Elevated levels of arsenic and manganese have also been detected in GWM-1 above the NMWQS.

In this report, we also present data on our aeration lagoons, ponds and outfalls between the lagoons and ponds. We collect these data as a part of our permit GW-032. Groundwater standards do not apply to these surface water bodies. However, these data are of great value in determining compliance with various provisions of the State of New Mexico as well as the EPA regarding hazardous waste treatment. None of the aeration lagoons or ponds has benzene levels greater than 0.5 ppm. (In a RCRA-driven sampling activity that studied benzene levels entering Aeration Lagoon 1, benzene levels greater than 0.5 ppm were found. However, these levels had fallen to well below 0.5 ppm, before the wastewater left Aeration Lagoon 1, as can be seen by our sampling data.) These data on our surface water treatment ponds also help us understand if the ponds are affecting groundwater. It should be noted that the aeration lagoons and ponds do contain volatile and semi-volatile organic compounds, some of which are also found in shallow wells (GWM-1, and SWM-2).

Finally, there are a series of boundary (BW), observation (OW), monitoring (MW) and shallow monitoring (SWM) wells in the western portions of the facility that are meant to detect any off-site movement of contaminants and also releases to groundwater. One of the OW wells has shown detectable levels of uranium, in one case above NMWQS. Uranium is ubiquitous in groundwater of New Mexico, and the location of this one well (OW-11) makes it unlikely that the uranium should be linked to refinery activity – OW-11 is located so that it is mainly affected by off-refinery groundwater, and also groundwater that is linked to movement through rock. Among the wells on the far west side are three deep drinking water wells, PW-3, PW-2, and PW-4 – none of these has

ever been known to have any contamination at any detectable level. In one event in 2007, we found a semi-volatile hydrocarbon in PW-3, sampled again and found that it was non-detectable – we will continue to monitor this well, and believe the one anomalous reading was a laboratory artifact. Among MW and SWM monitoring wells in the west side, a few have shown traces of hydrocarbons. SMW-2 has shown a level of 1,4-Dioxane at 0.0136 ppm which is greater than the RRSL of 0.0061 ppm. All of the BW wells have shown that no organic contaminants are leaving the refinery's property, although some of these wells have high levels of sulfates (above drinking water standards).

Recommendations

1) Continue monitoring as specified in the current Facility-wide Groundwater Monitoring Plan
2) Develop a subsurface hydrogeological map of the refinery
3) Collect samples of incoming shallow groundwater at the northern edges of the refinery and sample for metals – this may help establish what metals, if any, are possibly linked to the refinery
4) Recognizing that the MTBE and benzene plume in the north-east region is moving towards the north-west, and may have passed by existing wells, establish two new monitoring wells north and west of OW-29 at the Chinle/alluvium interface.

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Appendix I Laboratory Analytical Reports

LIST OF ACRONYMS

AL	Aeration lagoons
BOD	Biochemical Oxygen Demand
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
COD	Chemical Oxygen Demand
DRO	Diesel Range Organics
EP	Evaporation ponds
EPA	Environmental Protection Agency
GPM	Gallons per minute
GRO	Gasoline Range Organics
HWB	Hazardous Waste Bureau
MTBE	Methyl Tert Butyl Ether
MG/L	Milligrams/liter
NAPIS	New American Petroleum Institute Separator
NMED	New Mexico Environment Department
OCD	Oil Conservation Division
PPM	Parts per million
VOC	Volatile Organic Compounds
SVOC	Semi-volatile Organic Compounds
WWTP	Wastewater treatment plant

1.0 Introduction

This Annual Groundwater Monitoring Report for 2008 (Report) has been prepared in response to requirements stated in Groundwater Discharge Permit, GW-032, issued by the Oil Conservation Division (OCD) of the New Mexico Energy Minerals and Natural Resources Department to the Gallup Refinery owned by Western Refining ("Gallup Refinery" or "Facility").

This Report describes monitoring and remediation activities undertaken throughout 2008, and includes conclusions and recommendations. The monitoring activities have collected data that are used to characterize the nature and extent of impacts to groundwater at the Gallup Refinery, and recognize any levels of contaminants that exceed applicable standards. These standards are those set by the New Mexico Water Quality Control Commission (WQCC), or the U.S. Environmental Protection Agency's (EPA's) Maximum Contaminant Levels (MCLs). If WQCC standards or MCLs do not exist for a contaminant, we compare levels against the EPA Regional Screening Levels set for Residential Risk-Based Screening Levels for Tap Water (RRSLs).

1.1. Facility ownership, operation and location

This Plan pertains to the Western Refining Southwest Inc. Gallup Refinery located at Exit 39 on Interstate I-40. This refinery is known as the Gallup Refinery and is located at Jamestown New Mexico, approximately 17 miles east of Gallup. Figure 1 shows the regional location of the Gallup Refinery.

The owner is:	Western Refining 123 W. Mills Avenue El Paso, TX 79901	(parent corporation)
Operator:	Western Refining Southwest Inc Route 3, Box 7 Gallup, New Mexico 87301	(postal address)
	Western Refining Southwest Inc I-40, Exit 39 Jamestown, New Mexico 87347	(physical address)

SIC code 2911 (petroleum refining) applies to the Gallup Refinery.

The following regulatory identification and permit governs the Gallup Refinery:

- U.S. EPA ID Number NMD000333211
- OCD Discharge Permit No. GW-032

The facility status is corrective action/compliance. Annual and quarterly groundwater sampling is conducted at the facility to evaluate present contamination.
The refinery is situated on an 810 acre irregular shaped tract of land that is substantially located within the lower one quarter of Section 28 and throughout Section 33 of

Township 15 North, Range 15 West of the New Mexico Prime Meridian. A small component of the property lies within the northeastern one quarter of Section 4 of Township 14 North, Range 15 West. Figure 2 is a topographic map showing the general layout of the refinery in comparison to the local topography.

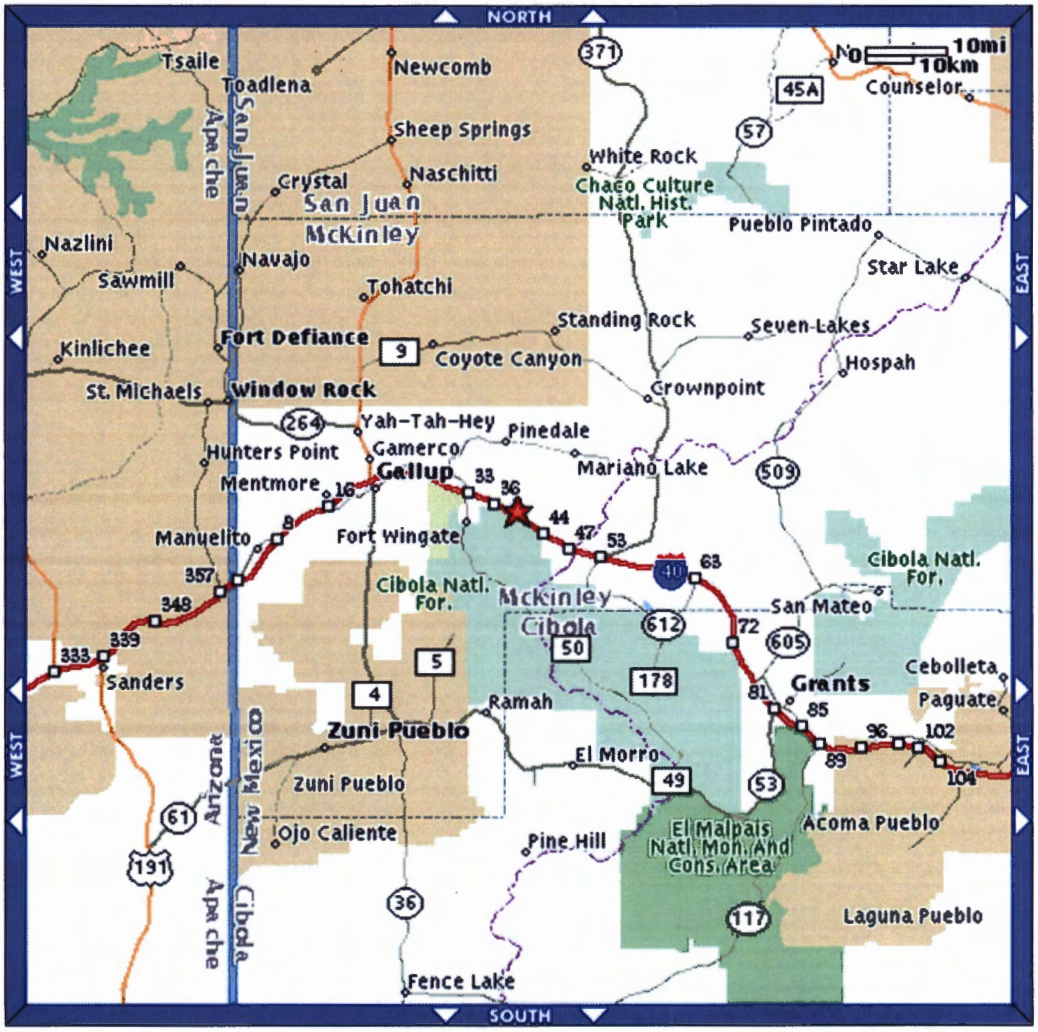

Figure 1: Regional map showing the location of the Gallup Refinery (red star along Interstate-40, 20 miles east of the City of Gallup).

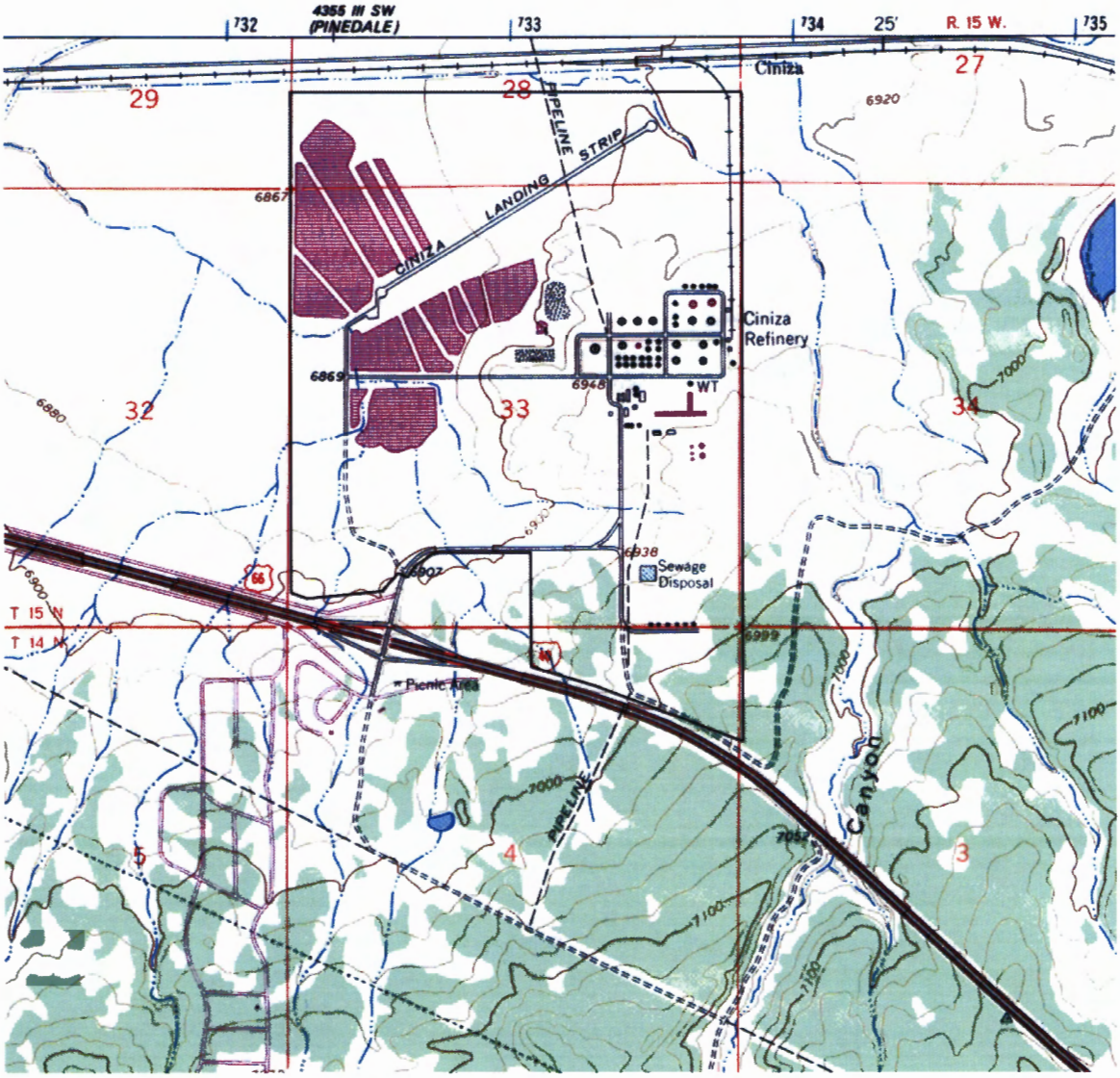

Figure 2: Topographic Map of the Gallup Refinery Site - USGS Topographical Map - Gallup Quadrangle (Revised 1980)

1.2 Historical and current site uses

The Gallup Refinery is located within a rural and sparsely populated section of McKinley County in Jamestown New Mexico. The setting is a high desert plain on the western slope of the continental divide. The surrounding land is comprised primarily of public lands and is used for cattle and sheep grazing at a density of less than six cattle or 30

sheep per section.[2] The nearest population centers are the Pilot (formerly Giant) Travel Center refueling plaza, the Interstate 40 highway corridor, and a small cluster of residential homes located on the south side of Interstate 40 approximately 2 miles southwest of the refinery (Jamestown). Except for the City of Gallup, McKinley County is a predominantly rural area, as are the adjoining portions of neighboring counties.

Historically, this area has been populated by Native Americans, as it is even today with the contemporary Navajo Nation and the Pueblo of Zuni located in the region. The area has always been a crossroads for East to West and North to South trade routes; and many modern highways in the area, such as Interstate-40, trace routes established well over a thousand years ago. Irrigated agriculture in the area also dates back to several thousands of years, and continues to this day. There are remnants of an irrigation ditch in the north-central portion of the site which attests to farming having occurred on the site.

Since the arrival of the Spanish in 1540, grazing of livestock became another major land use. In the early 1900s, highly intensive livestock grazing occurred in this region that led to severe degradation of the land.

Along with irrigated farming and livestock, artisan work has been a mainstay of the local economy and continues till current times. In 1880, coal mining began to be a major land use in the region; and in 1881 the railroad arrived. The railroad carried Indian made goods for sale across the nation. Today, a railroad line runs just north of the facility, and a rail spur brings railroad cars into the north-east end of the facility to deliver crude oil, ethanol and other feedstock.

From the early 1900s to the 1940s extensive logging occurred in the region, especially thirty miles to the south-west of the facility in the Zuni Mountains. This aggravated the forming of arroyos from erosion, and impacted the local watersheds.

From the 1950s to the early 1980s, uranium mining was a major extractive industry in the region with a large number of mines located in the general area of the facility, with the nearest mines being around 20 miles distant towards the east. No historical mining has ever occurred on the facility. It is important to note that impacts have occurred to groundwater in the area from the mining and processing of uranium ore.

Today, built in the 1950s, and refurbished and expanded over time, a petroleum refinery is located on a man-made terrace towards the central and southern portions of the facility.

The refinery primarily receives crude oil via two 6 inch diameter pipelines; Bisti Pipeline comes down from the Four Corners Area and enters the refinery property from the north and Hospah Pipeline comes in from the northeast and is an interconnection with a main interstate pipeline. In addition, the refinery also receives natural gasoline feedstocks via a 4-inch diameter pipeline that comes in from the west along the Interstate 40 corridor from the Conoco gas plant. Crude oil and other products also arrive at the site via railroad cars. These feedstocks are then stored in tanks until refined into products.

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[2] See, for example, the web site of McKinley County at http://www.co.mckinley.nm.us/

Figure 3 depicts an aerial photograph of the Gallup Refinery.

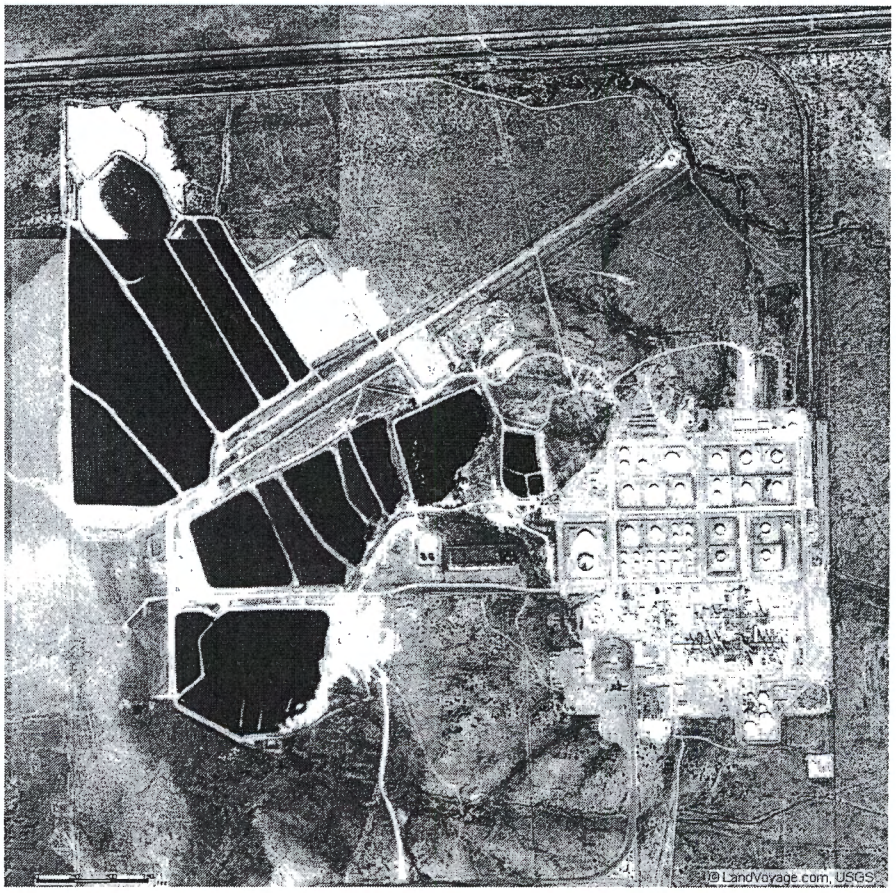

Figure 3: Aerial photograph of the Gallup Refinery

The refinery incorporates various processing units that convert crude oil and natural gasoline into finished products. These units are briefly described as follows.

- The crude distillation unit separates crude oil into various fractions; including gas, naphtha, light oil, heavy oil, and residuals.

- The fluidized catalytic cracking unit (FCCU) dissociates (cracks) long-chain hydrocarbon molecules into smaller molecules, and essentially converts heavier oils into naphtha and lighter oils.

- The alkylation unit combines specific types of hydrocarbon molecules into a high octane gasoline blending component.

- The reforming unit breaks up and reforms low octane naphtha molecules to form high octane naphtha.

- The hydrotreating unit removes undesirable sulfur and nitrogen compounds from intermediate feedstocks, and also saturates the feedstocks with hydrogen to make diesel fuel.

- Additional treater units later also remove impurities from various intermediate and blending feedstocks in order to produce finished products that comply with sales specifications.

- The isomerization unit converts low octane hydrocarbon molecules into high octane molecules.

- A set of acid gas treating and sulfur recovery units convert and recover various sulfur compounds from other processing units and then produce either Ammonium Thiosulfate or a solid elemental sulfur byproduct.

As a result of these processing steps, the refinery produces a wide range of petroleum products including propane, butane, unleaded gasoline, diesel, kerosene, and residual fuel. In addition to the aforementioned processing units, various other equipment and systems support the operation of the refinery and are briefly described as follows.

Storage tanks are used throughout the refinery to hold and store crude oil, natural gasoline, intermediate feedstocks, finished products, chemicals, and water. These tanks are all located aboveground and range in size from 80,000 barrels to less than a 1,000 barrels. A grouping of tanks is commonly referred to as a "tank farm" such as the hot oil "tank farm".

Pumps, valves, and piping systems are used throughout the refinery to transfer various liquids among storage tanks and processing units.

A railroad spur track and a railcar loading rack are used to transfer feed-stocks and products from refinery storage tanks into and out of railcars.

Several tank truck loading racks are used at the refinery to load out finished products and also may receive crude oil, other feedstocks, additives, and chemicals.

A pipeline from the refinery carries diesel fuel to the Pilot (formerly Giant) Travel Center. Gasoline is delivered to the Pilot Center via tanker truck.

A firefighting training facility is used to conduct employee firefighting training. Waste water from the facility, when training is conducted, is pumped into a tank which is then pumped out by a vacuum truck. The vacuum truck pumps the oily water into a process sewer leading to the New API Separator (NAPIS).

The process wastewater system is a network of curbing, paving, catch basins, and underground piping that collects waste water effluent from various processing areas within the refinery and then conveys this wastewater to the NAPIS.

The NAPIS is a two compartment oil water separator. Oil is separated from water based on the principle that, given a quiet surface, oil will float to the water surface where it can be skimmed off. The skimmed slop oil is passed to a collection chamber where it is pumped back into the refinery process. The clarified water is piped to the top of dual stripping columns where benzene is removed. The stripped water flows into the first aeration lagoon. Sludge sinks to the bottom of the NAPIS which is periodically vacuumed out by a vacuum truck and disposed as hazardous waste at an approved landfill or recycled and reused in refineries that have this allowable exemption under RCRA.

At the stripping columns, ambient air is blown upwards through the falling cascade of clarified wastewater as it passes through distillation column packing. Countercurrent desorption of benzene from the water occurs due to the high volume of air passing over the relatively large surface area provided by the packing. The desorbed benzene is absorbed into the air stream and vented to the atmosphere. Effluent from the stripper columns gravity flows through piping into the first aeration lagoon.

At the aeration basins, the treated wastewater is mixed with air in order to oxidize any remaining organic constituents and increase the dissolved oxygen concentration available in the water for growth of bacteria and other microbial organisms. The microbes degrade hydrocarbons into carbon dioxide and water. Three 15-hp mechanical aerators provide aeration in the first aeration lagoon with two 15-hp aerators providing aeration in the second lagoon. Effluent from the second aeration lagoon flows onward into the first of several evaporation ponds of various sizes.

At the evaporation ponds, wastewater is converted into vapor via solar and mechanical wind-effect evaporation. No wastewater is discharged from the refinery to surface waters of the state because all of the waste water evaporates. Therefore, the refinery is not

required to have a NPDES discharge permit for discharge of treated process water. However, the Gallup refinery does have a NPDES permit for storm water discharge.

The storm water system is a network of valves, gates, berms, embankments, culverts, trenches, ditches, natural arroyos, and retention ponds that collect, convey, control, treat, and release storm water that falls within or passes through refinery property. Storm water that falls within the processing areas is considered equivalent to process wastewater and is sent through the NAPIS, benzene strippers and wastewater treatment system for retention in evaporation ponds. Strom water that falls on undeveloped land is allowed to leave the property. Storm water discharge from the refinery is very infrequent due to the arid desert-like nature of the surrounding geographical area. The Gallup Refinery maintains a storm water pollution prevention plan (SWPPP) that includes Best Management Practices (BMPs) for effective storm water pollution prevention. The refinery has constructed several new berms in various areas and improved outfalls to minimize the possibility of contaminated runoff leaving the refinery property.

1.3 Current site topography and location of natural and manmade structures

Local topography consists of a gradually inclined down-slope from high ground in the southeast to a lowland fluvial plain in the northwest. The highest point on refinery property is located at the southeast corner boundary (elevation approximately 7,040 feet) and the lowest point is located at the northwest corner boundary (elevation approximately 6,860 feet). The refinery processing facility is located on a flat man-made terrace at an elevation of approximately 6,950 feet.

Surface water in this region consists of the man-made evaporation ponds and aeration basins located within the refinery, a livestock watering pond (Jon Myer's Pond) located east of the refinery, two small unnamed spring fed ponds located south of the refinery, and the South Fork of the Puerco River and its tributary arroyos. The various ponds and basins typically contain water consistently throughout the year.

The South Fork of the Puerco River and its tributaries are intermittent and generally contain water only during, and immediately after, the occurrence of precipitation. It is likely that shallow groundwater in the vicinity of the refinery follows to some extent the flow direction of the South Fork of the Puerco River and its tributaries in the area.

The 810 acre refinery property site is located on a layered geologic formation. Surface soils generally consist of fluvial and alluvial deposits; primarily clay and silt with minor inter-bedded sand layers. Below this surface layer is the Chinle Formation, which consists of low permeability claystones and siltstones that comprise the shales of this formation. As such, the Chinle Formation effectively serves as an aquiclude. Inter-bedded within the Chinle Formation is the Sonsela Sandstone bed, which represents the uppermost potential aquifer in the region.

The Sonsela Sandstone bed lies within and parallels the dip of the Chinle Formation. As such, its high point is located southeast of the refinery and it slopes downward to the

northwest as it passes under the refinery. Due to the confinement of the Chinle Formation aquiclude, the Sonsela Sandstone bed acts as a water-bearing reservoir and is artesian at its lower extremis. Artesian conditions exist through much of the central and western portions of the refinery property.

Groundwater flow within the Chinle Formation is extremely slow and typically averages less than 10^{-10} centimeters per second (less than 0.01 feet per year). Groundwater flow within the surface soil layer above the Chinle Formation is highly variable due to the presence of complex and irregular stratigraphy; including sand stringers, cobble beds, and dense clay layers. As such, hydraulic conductivity may range from 10^{-8} centimeters per second in the clay soil layers located near the surface up to 0^{-2} centimeters per second in the gravelly sands immediately overlying the Chinle Formation.

Figure 4 depicts the regional surface water flows in the area, and Figure 5 shows a more localized scale. As can be seen from the surface water channels in Figure 5, shallow groundwater flows (~ at 40 feet) are likely to be to the north-west direction in the north-east sections of the refinery; presumably much more directly north in the central and northern portions of the refinery, and west and north-west in the western and southern portions. The zones of shallow groundwater are somewhat perched as there are many adjacent shallow wells at similar depths that are often dry with their neighbors containing groundwater

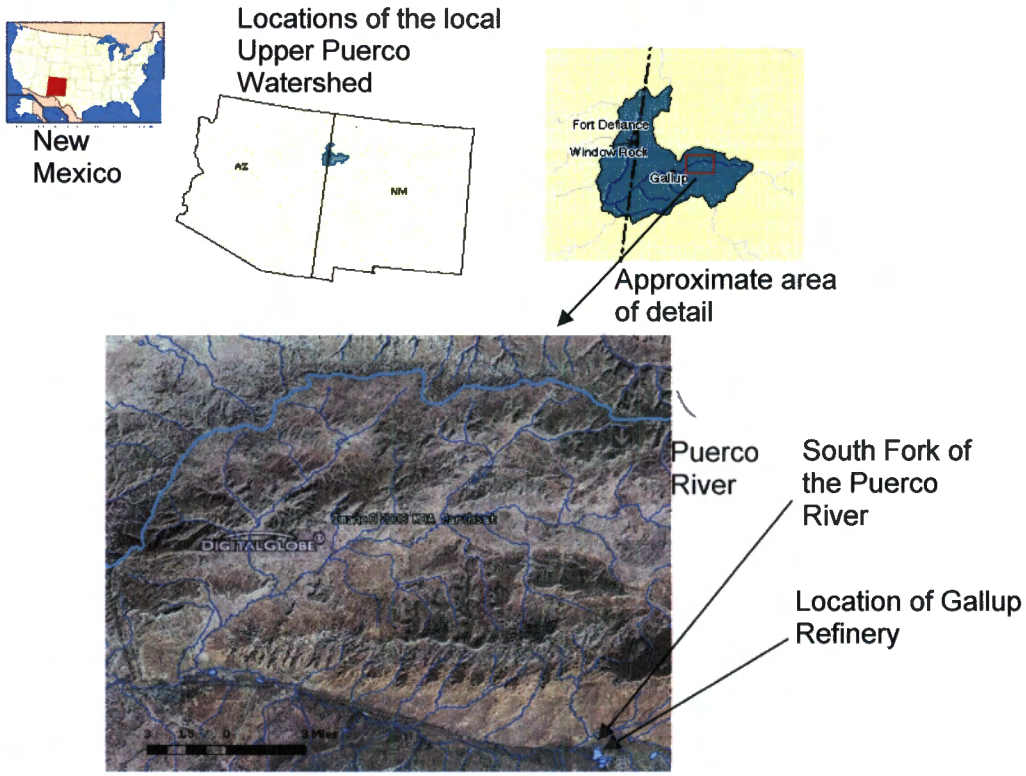

Figure 4: Regional scale: Flow lines and major surface water bodies (from: EPA Enviromapper - http://map24.epa.gov/EMR/?ZoomToWatershed=15020006) North is towards the top of the page.

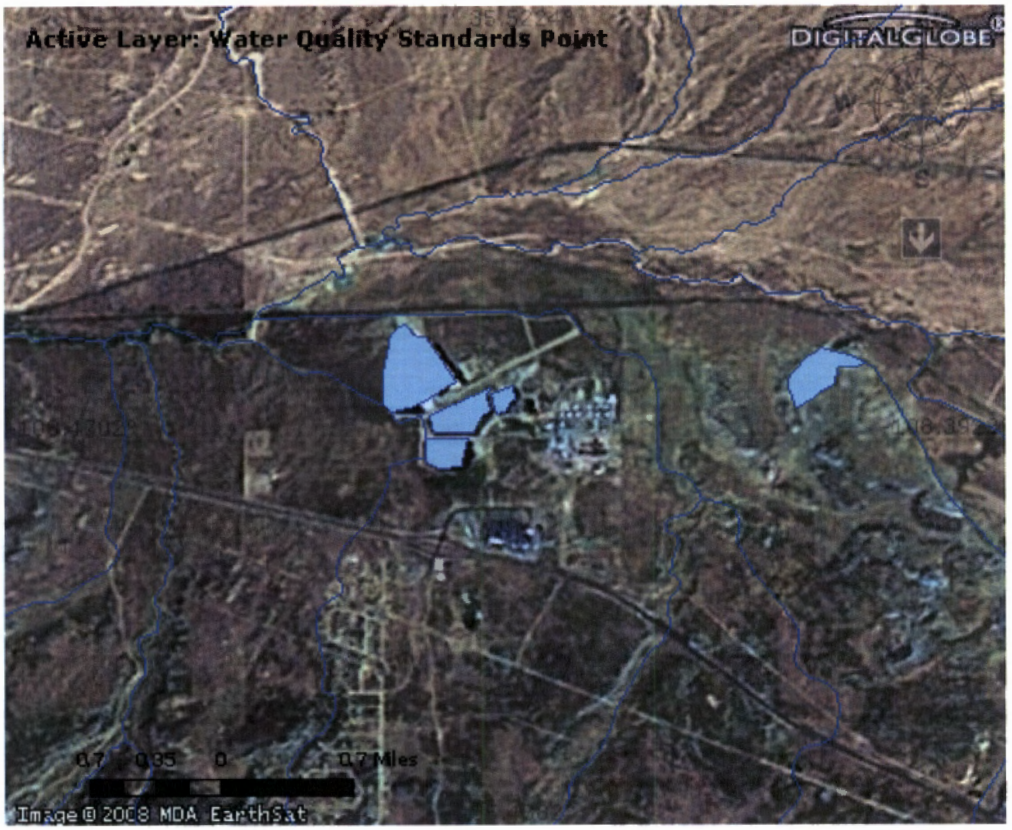

Figure 5: Localized scale: Flow lines and major surface water bodies (from: EPA Enviromapper - http://map24.epa.gov/EMR/?ZoomToWatershed=15020006) North is towards the top of the page. The pond to the east is Jon Myers' Livestock Pond.

Shallow groundwater located under refinery property generally flows along the upper contact of the Chinle Formation. Although the prevailing flow direction is from the southeast and toward the northwest; a subsurface ridge has been identified and is thought to deflect some flow in a northeasterly direction in the vicinity of the refinery tank farm.

2.0 Monitoring and Remediation Activities in 2008

2.1 Groundwater elevation surveys

Ground water elevation data were collected from the wells listed in Table 1. Figure 6 shows the locations of these wells. The data gathered are presented in section 4.0. As directed by NMED HWB, ground water elevation data are collected on a quarterly or an annual basis. Groundwater levels and SPH thickness measurements (from the RW series of wells) are collected quarterly to monitor groundwater elevation and product thickness fluctuations over time.

Measurement data and the date and time of each measurement are recorded on a site monitoring data sheet. The depth to groundwater and SPH thickness levels are measured to the nearest 0.01 ft. The depth to groundwater and SPH thickness are recorded relative to the surveyed well casing rim or other surveyed datum. A corrected water table elevation is provided in wells containing SPH by adding 0.8 times the measured SPH thickness to the calculated water table elevation.

Water level and SPH thickness measurements are collected using an oil/water interface probe: Solinst Model 122.[3] Solinst Oil/Water Interface Meters give clear and accurate measurements of product level and thickness in wells. The factory-sealed probes are pressure proof and the model used at the Gallup Refinery has a tape length of 100 feet. The 5/8" (16 mm) diameter P1 Probe allows easy access through tight spaces and into narrow wells. The Probe is designed for use in various monitoring applications. The technician records separate phase hydrocarbon (SPH), depth to water (DTW), and total well depth using the tape. The probe and tape is first washed with non-phosphate soap water then with de-ionized or distilled water before lowering into the well casing. Recovery wells with free product are checked using a reel gauge with water and hydrocarbon finding paste.

Groundwater and SPH levels are measured in all wells within 48 hours of the start of groundwater sampling activities. All manual extraction of SPH and water from recovery wells, observation wells, and collection wells is discontinued for 48 hours prior to the measurement of water and SPH levels.

2.2 Monitoring and Sampling Program

The primary objective of groundwater monitoring is to provide data which will be used to assess groundwater quality at and near the Facility. Groundwater elevation data are collected to evaluate groundwater flow conditions. The groundwater monitoring program for the Facility consists of sample collection and analysis from a series of monitoring wells, recovery wells, outfalls, and pond locations.[4]

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[3] More information is available at - http://www.solinst.com/Prod/122/122d1.html

[4] Sampling procedures, data quality objectives, and quality assurance and quality control methods have been described in a Facility-wide Groundwater Monitoring Plan currently under review by the NMED/HWB.

The monitoring network is divided into two investigation areas (East Side and West Side). The sampling frequency, analyses and target analytes varies for each investigation area and well/outfall/pond location. The combined data from these investigation areas are used to establish background groundwater quality, assess groundwater quality beneath and immediately down-gradient of the Facility, and evaluate local groundwater flow conditions.

Samples are not collected from monitoring wells that have measurable SPH. For wells that are purged dry, samples are collected if recharge volume is sufficient for sample collection within 24 hours. Wells not sampled due to insufficient recharge are documented in the field log. Wells that are usually dry and not sampled regularly are also checked for presence of water. If water is found, then (after consultation with NMED and OCD) a sample may be collected without purging, as purging could result in lack of a sufficient sample quantity.

A summary of the Facility-Wide Monitoring Plan is provided in Table 2.

Table 1: Wells that will have groundwater elevation monitored and frequency of such monitoring

Well ID	Frequency of monitoring groundwater elevation
BW-1A	Annual
BW-1B	Annual
BW-1C	Annual
BW-2A	Annual
BW-2B	Annual
BW-2C	Annual
BW-3A	Annual
BW-3B	Annual
BW-3C	Annual
OW-1	Quarterly
OW-10	Quarterly
OW-11	Annual
OW-12	Annual
OW-13	Annual
OW-14	Annual
OW-29	Annual
OW-30	Annual
MW-1	Annual
MW-4	Annual
MW-5	Annual
RW-1	Quarterly (including SPH)
RW-2	Quarterly (including SPH)
RW-5	Quarterly (including SPH)

RW-6	Quarterly (including SPH)
SMW-2	Annual
SMW-4	Annual
SMW-6	Annual
GWM-1	Quarterly
GWM-2	Quarterly
GWM-3	Quarterly
NAPIS-1	Quarterly
NAPIS-2	Quarterly
NAPIS-3	Quarterly
KA-3	Quarterly

The following sections outline the monitoring program for each investigation area.

Figure 6: Locations of wells

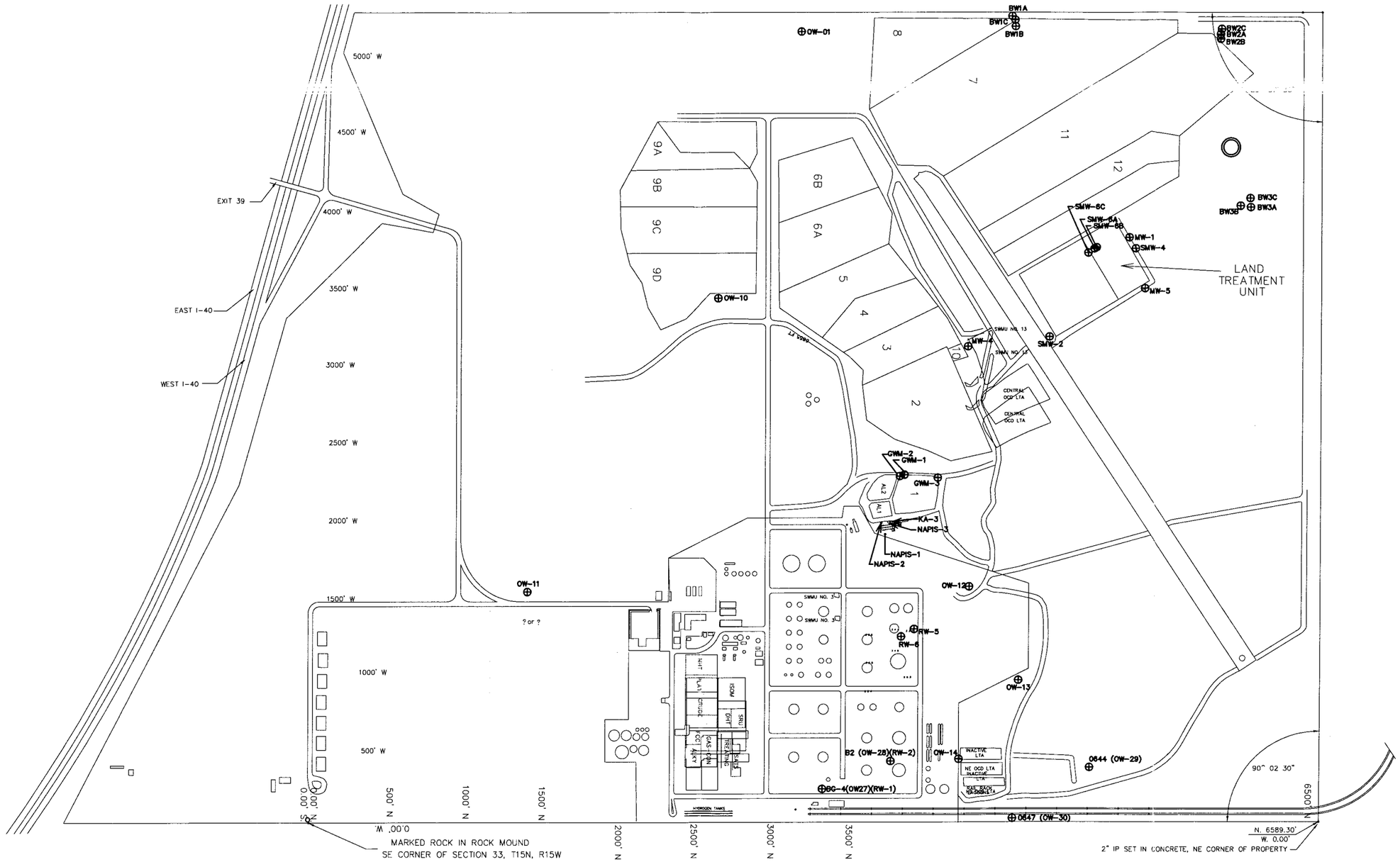

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Figure 6
Well Locations

Western Refinery, - Gallup Refinery
Interstate 40, Exit 39
Jamestown, New Mexico 87347
Date: August 22, 2007

DWG NO.

REV

2.3 East Side

2.3.1 Sampling Locations

The location of the East Side monitoring and recovery wells are shown in Figure 6.

These wells are –

Recovery wells

- RW-1
- RW-2
- RW-5
- RW-6

Monitoring wells

- OW-29
- OW-30
- OW-13
- OW-14

2.3.2 Sampling Frequency and Analyses

On a quarterly basis, groundwater samples are collected from each of the OW wells in the East Side and analyzed for the following chemical constituents:

- VOCs (EPA method 8260B)
- BTEX plus MTBE (EPA method 8021B)

Table 2: Summary of sampling locations, frequencies, and tests required

SAMPLING REQUIREMENTS PER NMED/HWB REQUESTS

LOCATION	FREQUENCY	TEST METHOD
	Quarterly	
Pond 1		General Chemistry., VOC, WQCC Metals, BOD, COD, E-coli Bacteria)
Pond 2		Same as above
Pond 3		Same as above
Pond 4		Same as above
Pond 5		Same as above
Pond 6		Same as above
Pond 7		Same as above
Pond 8		Same as above
Al-2 to EP-1		8260, 8015B include C6-C10, C10-C36, RCRA 8 Metals total
Pilot Effluent		VOC/DRO Extended, GRO, BOD, COD, WQCC METALS
NAPIS Effluent		GENERAL CHEMISTRY, VOC, SVOC (PHENOL), DRO Extended GRO, WQCC METALS
AL-1 Inlet	Monthly until 4/08 start quarterly (or more frequently)	BOD, COD, PHENOL
AL-2 Inlet		Same as above
EP-1 Inlet		Same as above
Evap. Pond 1	monthly until 12/08 then change to quarterly	VOC, BOD, COD, Cl, DRO/GRO, MTBE, Ph, PHENOL
NAPIS 1		8021B (BTEX/MTBE), 8310 (Semi-VOCs), 8015B (DRO extended, GRO), RCRA metals, and GENERAL CHEMISTRY
NAPIS 2		8021B (BTEX/MTBE), 8310 (Semi-VOCs), 8015B (DRO extended, GRO), RCRA metals, and GENERAL CHEMISTRY
NAPIS-3		8021B (BTEX/MTBE), 8310 (Semi-VOCs), 8015B (DRO extended, GRO), RCRA metals, and GENERAL CHEMISTRY
KA-3		8021B (BTEX/MTBE), 8310 (Semi-VOCs), 8015B (DRO extended, GRO), RCRA metals, and GENERAL CHEMISTRY
OW-13		VOAs (8260B), BTEX + MTBE (8021B)
OW-14 (HIGH-BENZENE)		VOAs (8260B), BTEX + MTBE (8021B)
OW-29		VOAs (8260B), BTEX + MTBE (8021B)
OW-30		VOAs (8260B), BTEX + MTBE (8021B)

Pond 1 Inlet (EPI-IN)	**Semi-Annual**	General Chemistry, VOC, SVOC Including Phenol, DRO extended/GRO, WQCC Metals
Boiler Water inlet to EP-2		General Chemistry
	ANNUAL	
BW-1A		General Chemistry, VOC, SVOC, MTBE, WQCC Metals
BW-1B		Same as above
BW-1C		Same as above
BW-2A		Same as above
BW-2B		Same as above
BW-2C		Same as above
BW-3A		Same as above
BW-3B		Same as above
BW-3C		Same as above
MW-1		General Chemistry / RCRA List Constituents
MW-4		General Chemistry / RCRA List Constituents. Modified skinner list metals & organics.
MW-5		General Chemistry / RCRA List Constituents. Modified skinner list metals & organics.
OW-11		General Chemistry, VOC, SVOC, MTBE, WQCC Metals
OW-12		VOC/MTBE
	ANNUAL	
SMW-2		General Chemistry / RCRA List Constituents. Modified skinner list metals & organics.
SMW-4		General Chemistry / RCRA List Constituents. Modified skinner list metals & organics.
EP2-INLET		VOC/MTBE, DRO extended/GRO, BOD, COD, TDS
GWM-1 HIGH-BENZENE		General Chemistry, VOC, SVOC, MTBE, WQCC Metals
PW-2	Every 3 yrs starting with 2008	VOC, SVOC, WQCC METALS, CYANIDE, NITRATES
PW-3	Every 3 yrs starting with 2008	Same as above
PW-4	Every 3 yrs starting with 2008	Same as above

2.4 West Side

2.4.1 Sampling Locations

The locations of wells on the West Side are shown in Figure 6.

The following wells, outfalls, and ponds will be sampled within the West Side area: (Note: these outfalls are from one section of the wastewater treatment system to another – they do not discharge to any location outside the facility.)

Monitoring wells

- NAPIS 1
- NAPIS 2
- NAPIS 3
- KA-3
- GWM-1
- GWM-2 (Well GWM-2 is checked for water; and, if available, a sample is collected as occurred on 2/28/2008.)
- SMW-2
- SMW-4
- MW-1
- MW-4
- MW-5
- OW-11
- OW-12
- BW-1A
- BW-1B
- BW-1C
- BW-2A
- BW-2B
- BW-2C
- BW-3A
- BW-3B
- BW-3C
- PW-2
- PW-3
- PW-4

Outfalls

- AL1 Inlet
- AL2 Inlet
- EP1 Inlet
- AL2 to EP-1
- Pilot Travel Center effluent
- NAPIS effluent

- Boiler water Inlet to EP-2

Ponds

- EP1 Inlet
- EP2 Inlet
- Pond 1
- Pond 2
- Pond 3
- Pond 4
- Pond 5
- Pond 6
- Pond 7
- Pond 8

2.5 Remediation Activities

Separated Phase Hydrocarbons (SPHs) have been found in wells RW-1, RW-5 and RW-6. In the past these were recovered either through the use of pumps, or via hand-bailing. Sections 4.3 and 4.4 and Appendix A provide details of the volumes of product recovered and the dates and the depths to water and SPH that we have measured in these wells. In 2008, this volume was approximately 4 gallons from RW-1. In the past, product was also recovered from RW-5 and RW-6.

3.0 Data Summary

3.1 Applicable Standards

The main set of standards that we check our data against are those of the State of New Mexico – the NMWQS of the WQCC. We also check against the EPA's Maximum Contaminant Levels (MCLs) for drinking water, taking the lower of these two sets of limits. If NMWQS standards or MCLs do not exist for a contaminant, we compare levels against the EPA Regional Screening Levels set for Residential Risk-Based Screening Levels for Tap Water (RRSLs). We also use the NMED's TPH Screening Guidelines for Gasoline Range Organics and Diesel Range Organics. All of these standards, limits and screening levels are provided in Appendix B.

3.2 Summary data Tables and constituents exceeding standards

In the following Tables we have summarized our analytical data. Only constituents above levels of detection are generally described. If a constituent exceeds any standard, we have marked it in bold and underlined its value. Appendix I (the last Appendix in its own binder, Binder 3) contains the laboratory reports.

In 2007, we found that in PW-3, the contaminant 2-Methylnapthalene was at a level of 0.032 mg/l. This level exceeded the current NMWQS of 0.03 mg/l for 2-Methylnapthalene.

We sampled PW-3 again in 2008, along with a blind duplicate, and found that the levels were non-detectable. We believe the level found in 2007 was a laboratory artifact, as no such contaminant had ever been found before – and it did not show up again in 2008. Generally, we only present results for contaminants that have been found at levels above the level of detection either in 2008 or in previous years. In this case, as there was some concern in 2007, we present the result for 2008 and for the blind duplicate sample.

Table 3: EPA METHOD 8260B VOLATILES. Levels of detected compounds (or hydrocarbons of concern) in Potable Water Wells – all units of concentrations are in mg/l. Contaminants not detected are not presented.

	Year[5]	Date Sampled	Benzene	Toluene	Ethyl-benzene	Xylene	MTBE	2-Methyl-napthalene
PW-2	2004	12-9-2004	<0.001	<0.001	<0.001	<0.0015	-	
PW-4	2004	8-4-2004	<0.001	<0.001	<0.001	<0.0015	-	
PW-3	2006	10-27-2006	<0.001	<0.001	<0.001	<0.0015	<0.001	
	2007	Sampling activities were primarily conducted from December 27-31, 2007 (Sampling of this well was completed on 1-1-2008 because of inclement weather.)	<0.001	<0.001	<0.001	<0.0015	<0.001	0.032
PW-2	2008	9/12/2008	<0.001	<0.001	<0.001	<0.0015	<0.001	
PW-3	2008	8/21/08	<0.001	<0.001	<0.001	<0.0015	<0.001	<0.01 Duplicate = <0.01
PW-4	2008	9/12/2008	<0.001	<0.001	<0.001	<0.0015	<0.001	
NMWQS			**0.01**	**0.75**	**0.75**	**0.62**		
EPA MCLS			**0.005**	**1**	**0.7**	**10.0**		
RRSL			**0.00041**	**2.3**	**0.0015**	**0.2**	**0.012**	

[5] No potable wells were sampled in 2005.

Table 4: EPA METHOD 300.0 ANIONS, 6010B RECOVERABLE METALS, 8260B VOLATILES, 8270C SEMI VOLATILES. Levels of all detected compounds in Potable Well # 2, 3 - all units of concentrations are in mg/l. Compounds not detected are not presented.

	Ba	**Fe**	**Pb**	**Mn**	**U**	**Zn**	**Cyanide**	**Nitrate as N**	**Phenols**
PW-2	0.013	0.07	<0.005	<0.002	.00161	<0.02	<0.01	<1.0	<0.001
PW-3	<0.02	<.05	<0.005	<0.002	.00063	<0.05	<0.004	.13	<0.001
PW-4	0.013	0.11	<0.005	<0.005	.0014	<0.02	<0.01	<1.0	<0.001
NMWQS	**1.0**			**0.2**	**5.0**	**10**	**0.2**		**.005**
EPA MCLS	**2.0**	**0.3**	**0.015**[6]	**0.3**	**0.03**		**0.2**	**10**	
RRSL	**7.3**	**26.0**		**0.88**	**0.11 (soluble salts)**	**11.0**	**0.73**	**58.0**	**11.0**

[6] Action Level

Table 5: EPA METHOD 300.0 ANIONS, EPA 120.1 SPECIFIC CONDUCTANCE, SM4500-H+B: pH. Levels of detected compounds and other parameters in Boundary and Observation wells. All units are in mg/l, except for pH and Specific Conductivity. Compounds not detected are not presented.

	Date Sampled	Fluoride	Chloride	Nitrate + Nitrite as N	Bromide	Phosphorous Orthophosphate (as P)	Sulfate	pH	Specific Conductance (umhos/cm)
OW-11	8/14/08	**2.2**	90	.75	.29	<.0.5	**940**	8.39	2600
	12/27/07								
	10/24/06	**2.5**	86			<.0.5	**1100**	8.4	3100
BW-1C	7/31/08	**2.4**	35	<1.0	<0.10	<0.5	**260**	8.68	1400
	12/31/07	**2.6**	35	<1.0		<0.5	**270**	8.5	1400
	10/27/06	**2.7**	36	<0.5		<0.5		8.39	1400
BW-2A	7/30/08	1.1	40	<1.0	.43	0.75	7.3	7.87	1400
	12/31/07	1.3	42	<1.0		0.70	7.7	7.76	1400
	10/27/06	1.3	39	<0.5		0.64	7.5	8.27	1400
BW-2B	7/30/08	**1.6**	30	<1.0	1.1	<.0.5	150	7.76	2200
	12/31/07	**1.8**	30	<1.0		<0.5	150	7.77	2400
	10/27/06	**1.9**	31	<0.5		<0.5	140	8.1	1400
BW-2C	7/30/08	**1.9**	44	<1.0	.14	<0.5	**270**	8.83	1400
	12/31/07	**2.3**	45	<1.0		<0.5	**290**	8.73	1400
	10/27/06	**2.4**	42	<0.5		<0.5	**270**	8.52	1300
BW-3B	7/31/08	1.4	34	<1.0	.42	1.1	55	7.95	1500
	12/31/07	**1.6**	35	<1.0		1.1	51	7.93	1600
	10/27/06	**1.7**	33	<0.5		1.1	**250**	8.5	1600
BW-3C	8/1/08	1.5	34	<2.0	<1.0	<5.0	240	8.63	1500
	12/31/07	**1.8**	38	<1.0		<0.5	**300**	8.59	1500
	10/27/06	**1.9**	37	<0.5		<0.5	**280**	8.39	1400
NMWQS		1.6	**250** (domestic water)	**10**			**600**	**6 - 9**	
EPA MCLS		4.0	**250**	**10 Nitrate 1 Nitrite**			**250**	**6 - 9**	
RRSL				**58.0**					

Table 6: EPA METHOD 6010B TOTAL RECOVERABLE METALS.
Levels detected in Boundary Wells. Only data for detected metals are presented. All units are in mg/l. Metals not detected are not presented.

	Date Sampled	Ba	Ca	Cr	Fe	Mg	Mn	K	Na	Zn	U
OW-11	8/14/08	<0.01	11		<.0.05	1.3	.015	1.8	640		**.249**
	12/27/07	<0.01	11		<.0.05	1.3	.016	1.6	690		**.22**
	10/28/06	<0.02	12		<.0.05	1.4					
BW-1C	7/31/08	.016	3.0		<.0.05	.62	.013	<1.0	310		.00115
	12/31/07	0.023	3.6		<0.05	0.74	0.01	<1.0	360		<0.1
	10/28/06	<0.02	3.4		<0.05	<1.0					
BW-2A	7/30/08	0.14	8.6		0.37	3.2	0.14	<1.0	320		<.001
	12/31/07	0.18	11		0.7	3.9	0.22	<1/0	380		<0.1
	10/28/06	0.15	10		<0.05						
BW-2B	7/30/08	0.041	13		.064	3.0	0.16	<1.0	570		.0115
	12/31/07	0.07	16		0.62	3.6	0.29	1.6	640		<0.1
	10/28/06	0.071	23		<0.05						
BW-2C	7/30/08	0.13	24		1.3	2.0	.43	1.1	300		.00728
	12/31/07	0.026	2.9		0.16	0.68	0.024	<1.0	340		<0.1
	10/28/06	0.031	5.6		<0.05	<1.0					
BW-3B	7/31/08	0.11	8.3		0.43	2.6	0.12	<1.0	370		<.001
	12/31/07	0.099	9.0		0.64	2.9	0.13	<1.0	430		<0.1
	10/28/06	0.11	9.0		<0.05						
BW-3C	8/1/08	.27	28	.0078	3.0	2.2	0.41	1.6	350	.032	.00251
	12/31/07	0.068	4.2		0.14	0.81	0.015	1.1	360		<0.1
	10/28/06	0.029	6.0		<0.05						
NMWQS		**1.0**		**.05**	**1.0**		**0.2**			**10.0**	**5.0**
EPA MCLS		**2.0**		**0.1**	**0.3**		**0.3**				**0.03**
RRSL		**7.3**			**26.0**		**0.88**			**11.0**	**0.11***

.

* Soluble salts

Table 7: EPA METHOD 8260B VOLATILES: Levels of hydrocarbons of concern found in the Boundary and Observation Wells – all units of concentrations are in mg/l

	Year	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylene	MTBE
OW-11	2008	8/14/08	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12/27/07	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10/24/06	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-1C	2008	7/31/2008	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12/31/2007	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10/27/2006	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2A	2008	7/30/2008	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12/31/2007	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10/27/2006	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2B	2008	7/30/08	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12/31/2007	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10/27/2006	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-2C	2008	7/30/2008	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12/31/2007	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10/27/2006	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-3B	2008	7/31/2008	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12/31/2007	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10/27/2006	<0.001	<0.001	<0.001	<0.0015	<0.001
BW-3C	2008	8/1/2008	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12/31/2007	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10/27/2006	<0.001	<0.001	<0.001	<0.0015	<0.001
NMWQS			**0.01**	**0.75**	**0.75**	**0.62**	
EPA MCLS			**0.005**	**1.0**	**0.7**	**10.0**	
RRSL			**0.00041**	**2.3**	**0.0015**	**0.2**	**0.012**

Table 8: EPA METHOD 8260B VOLATILES, EPA METHOD 8021B SEMI VOLATILES: Levels in Observation Wells and Monitoring Well (GWM-1 and GWM-2) – all units of concentrations are in mg/l. Quarterly Sampling of OW-13, 14, 29 & 30 began Fourth Quarter 2008.

	Year	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylene	MTBE
OW#12	2008	8/19/08	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12-27-2007	<0.001	<0.001	<0.001	<0.0015	<0.001
	2006	10-27-2006	<0.001	<0.001	<0.001	<0.001	<0.0025
OW#13 **	2008	11/13/08	<0.001	<0.001	<0.001	<0.0015	0.0016
	2008	8/19/08	<0.001	<0.001	<0.001	<0.0015	<0.001
	2007	12-27-2007	<0.001	<0.001	<0.001	<0.0015	0.0013
	2006	10-27-2006	<0.001	<0.001	<0.001	<0.001	<0.0025
OW#14 *	2008	11/12/08	**0.0082**	<0.001	<0.001	<0.002	**0.91**
	2008	8/21/08	.0035	<0.001	<0.001	<0.0015	**1.3**
	2007	1-1-2008	**0.014**	<0.001	<0.001	<0.0015	**0.92**
	2006	12-28-2006	0.0042	<0.001	0.0025	<0.003	**0.18**
	2006	10-27-2006	0.0034	<0.001	<0.001	<0.003	**0.016**
	2005	9-27-2005	0.017	0.0022	0.0023	0.0014	**0.077**
OW#29 **	2008	11/14/08	<0.001	<0.001	<0.001	<0.0015	**0.015**
	2008	8/19/08	<0.001	<0.001	<0.001	<0.0015	.0092
	2007	12-28-2007	<0.001	<0.001	<0.001	<0.0015	0.0043
	2006	10-27-2006	<0.001	<0.001	<0.001	<0.003	<0.0025
	2005	9-27-2005	<0.001	<0.001	<0.001	<0.0005	<0.0025
OW#30 *	2008	11/12/08	<0.001	<0.001	<0.001	<0.002	**0.88**
	2008	8/20/08	<0.001	<0.001	<0.001	<0.0015	**1.1**
	2007	12-28-2007	<0.001	<0.001	<0.001	<0.0015	**0.29**
	2006	10-27-2006	<0.001	<0.001	<0.001	<0.003	<0.0025
	2005	9-27-2005	<0.001	<0.001	<0.001	<0.0005	**0.018**
GWM-1	2008	7/10/08	**.011**	.0021	.0039	.019	**0.12**
	2007	5-24-2007	**0.016**	<0.001	<0.001	<0.0015	**0.23**
	2006	10-27-2006	**0.012**	<0.001	<0.001	<0.0015	**0.16**
GWM-2[7]	2008	2/28/08	<0.001	<0.001	<0.001	<0.0015	**0.028**
NMWQS			**0.01**	**0.75**	**0.75**	**0.62**	
EPA MCLS			**0.005**	**1.0**	**0.7**	**10.0**	
RRSL		.41	**0.00041**	**2.3**	**0.0015**	**0.2**	**0.012**

* Method EPA 8021B Semi-Volatiles used for Fourth Quarter Analysis.

** Method EPA 8260B Volatiles used for Fourth Quarter Analysis.

[7] Well GWM-2 is checked for water; and, if available, a sample is collected as occurred on 2/28/2008

Table 9: EPA METHOD 8260B VOLATILES: Levels of detected VOCs in Groundwater Monitoring and Boundary Wells in 2008- all units of concentrations are in mg/l. Compounds not detected are not presented. Quarterly sampling began Fourth Quarter 2008 for OW-14, 29, 30

	DATE SAMPLED	GWM-1	OW-13	OW-14	OW-29	OW-30	SMW-2	NMWQS	MCL	RRSL
ACETONE	8/14/08						.00753			**22**
	11/13/08		<0.01	<0.01	<0.01	<0.01				
1,2,4 TRIMETHYLBENZENE	7/10/08	0.0046							**0.005**	
	11/14/08		<0.001	<0.001	<0.001	<0.001				
1-METHYLNAPHTHALENE	8/21/08			**0.012**				**0.03**		**0.0023**
	11/13/08		<0.004	**0.016**	<0.004	<0.04				
ISOPROPYLBENZENE	8/21/08			0.0016					**0.005**	
	11/13/08		<0.001	0.0015	<0.001	<0.001				
Sec-BUTYLBENZENE	8/21/08			0.002					**0.005**	
	11/13/08		<0.001	0.0025	<0.001	<0.001				
1,2-DICHLOROETHANE (EDC)	8/21/08							**0.01**	**0.005**	**0.00015**
	11/13/08		<0.001	**0.0018**	**0.001**	**.0013**				

Table 10: EPA METHOD 8270C SEMI VOLATILES: Levels of detected SVOCs in Groundwater Monitoring and Boundary Wells in 2008- all units of concentrations are in mg/l. Compounds not detected are not presented. Quarterly sampling began Fourth Quarter 2008 for OW-14, 29, 30

	GWM-1	OW-14	MW-4	SMW-2	SMW-4	NMWQS	MCL	RRSL
BIS(2-ETHYLHEXL) PHTHALATE			.000679					**0.0048**
DIETHYL PHTHALATE				.000057	.0005			**29**
2,4-DIMETHYLPHENOL	0.028						**0.71**	**0.73**
1,4-DIOXANE				**.0136**				**0.0061**
PHENOL	0.0046				.00113	**.005**		**11.0**

Table 11: EPA METHOD 300.0 ANIONS and 120.1 SPECIFIC CONDUCTANCE, pH: Levels in Monitoring Wells (All units are in mg/l, except for pH and Specific **Conductivity)**

	Date Sampled	Fluoride	Chloride	Nitrate + Nitrite as N	Bromide	Phosphorous Orthophosphate (as P)	Sulfate	pH	Specific Conductance (umhos/cm)
GWM-1	7/10/08	**1.7**	**1800**	<2.0		<0.5	110	6.92	7400
	5/24/07	**1.9**	**1800**	<2.0		<0.5	120	6.8	8100
	10/26/06	**2.0**	**3700**	<2.0		<2.5	120	6.87	
MW-1	8/4/08	.81	51	<1.0		<0.5	160	8.95	1100
	12/29/07	0.69	53	<1.0		<0.5	170	8.89	1100
	10/26/06	0.84	46	<0.5		<0.5	150	8.98	
MW-4	8/5/08	.37	17	<1.0		<0.5	160	8.63	1200
	12/29/07	0.42	17	<1.0		<0.5	160	8.63	1200
MW-5	8/13/08	0.85	63	<1.0	.15	<0.5	180	**9.02**	1200
	12/29/07								
SMW-2	8/14/08	.36	**2000**	<1.0	3.1	<0.5	**1600**	7.25	8700
	1/1/08								
SMW-4	8/14/08	1.1	52	.11	.15	<0.5	150	8.63	1200
	12/29/07	1.4	60	<1.0		<0.5	160	8.34	1300
NMW QS		**1.6**	**250 (drinking water)**	**10**			**600**	**6 - 9**	
EPA MCLS		**4.0**		**10 Nitrate 1 Nitrite**			**250**	**6 - 9**	
RRSL				**58**					

Note: Wells MW-4, MW-5, SMW-2 and SMW-4 were not sampled in 2006.

Table 12: EPA 6010B TOTAL RECOVERABLE METALS. Levels detected in Monitoring Wells (Note: Only data for detected metals are presented. All units are in mg/l.)

Well No.	Date Sampled	As	Ba	Ca	Cr	Mg	Mn	Ni	K	Na
GWM-1	7/10/08	**0.070**	0.45	350	<.0060	81	**3.6**	-	3.3	1400
	5/24/07	**0.081**	0.44	360	<0.006	87	-	<0.01	3.7	1300
	10/26/06	**0.077**	0.53	380	<0.006	93	-	<0.01	4.2	1400
MW-1	8/4/08	<0.02	<.0.02	1.7	<0.006	<1.0	-	<0.01	<1.0	260
	12/29/07	**0.020**	<0.02	3.2	<0.006	<1.0	0.018	-	<1.0	230
	10/26/06	<0.02			<0.006		-	<0.01		
MW-4	8/5/08	<0.02	<0.02	1.8	<0.0060	<1.0	-	<0.01	<1.0	280
	12/29/07	<0.02	0.021	1.9	<0.006	<1.0	0.0052	<0.01	<1.0	320
MW-5	8/13/08	<0.02	<0.02	1.4	<0.006	<1.0	-	<0.01	<1.0	260
	12/29/07	<0.02	<0.02	1.4	<0.006	<1.0	0.0045	-	<1.0	290
SMW-2	8/14/08	<0.02	<0.02	200	.0092	64	-	.017	<1.0	1900
	1/1/08	<0.02	<0.02	200	**0.055**	69	-	0.026	1.1	2200
SMW-4	8/14/08	<0.02	<0.02	3.0	<0.006	61.0	-	-	<1.0	280
	12/29/07	<0.02	0.024	4.6	<0.006	1.2	-	<0.01	<1.0	340
NMWQS		**0.1**	**1.0**		**.05**		**0.2**			
EPA MCLS		**0.01**	**2.0**				**0.3**			
RRSL			**7.3**				**0.88**	**0.73**[8]		

[8] Soluble salts

Well No.	Date Sampled	Cu	Fe	Pb	Co	V	Zn
GWM-1	7/10/08	.014	14	.010	-	-	-
MW-1	8/4/08	-	-	<0.005	-	-	-
MW-4	8/5/08	-	-	<0.005	-	-	-
MW-5	8/13/08	-	-	<0.005	-	-	-
SMW-2	8/14/08	-	-	<0.005	-	-	.11
SMW-4	8/14/08	-	-	<0.005	.017	0.053	-
NMWQS		**1.0**	**1.0**	**.05**			**10.0**
EPA MCLS		**1.3**		**0**			
RRSL		**1.5**	**26**		**0.011**	**0.26**	**11.0**

Note: Wells MW-4, MW-5, SMW-2 and SMW-4 were not sampled in 2006. Analyses for dissolved metals were not conducted in 2006.

Table 13: EPA METHOD 8260B VOLATILES, EPA METHOD 8015B DRO/GRO. Levels in Monitoring Wells – all units of concentrations are in mg/l. (Only Well SMW-2 has VOCs above the level of non-detection: MTBE at 0.0099 below regulatory standards, and Gasoline Range Organics at 0.69 mg/l. All other wells have non-detectable levels of VOCs.)

	Year	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylene	MTBE	DRO	GRO
MW-1	2008	8/4/08	<0.005	<0.005	<0.005	<0.005	-	<1.0	<0.05
	2007	12/29/07	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<0.05
	2006	10/26/06	<0.001	<0.001	<0.001	<0.0015	<0.0015	<1.0	<0.05
MW-4	2008	8/5/08	<0.005	<0.005	<0.005	<0.005	-	<1.0	<0.05
	2007	12/29/07	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<0.05
	2005	10/12/05	<0.001	<0.001	<0.001	<0.0015	<0.0015	<1.0	<0.05
MW-5	2008	8/13/08	<0.005	<0.005	<0.005	-	-	<1.0	<0.05
	2007	12/29/07	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<0.05
	2005	10/12/05	<0.001	<0.001	<0.001	<0.0015	<0.0015	<1.0	<0.05
SMW-2	2008	8/14/08	<0.005	<0.005	<0.005	-	-	<1.0	.36
	2007	1/1/08	<0.001	<0.001	<0.001	<0.0015	0.0099	<1.0	0.69
	2005	10/12/05	<0.001	<0.001	<0.001	<0.0015	<0.0015	<1.0	<0.05
SMW-4	2008	8/14/08	<0.005	<0.005	<0.005	-	-	<1.0	<0.05
	2007	12/29/07	<0.001	<0.001	<0.001	<0.0015	<0.001	<1.0	<0.05
	2005	10/12/05	<0.001	<0.001	<0.001	<0.0015	<0.0015	<1.0	<0.05
NMWQS			**0.01**	**0.75**	**0.75**	**0.62**			
NM TPH Screening Guidelines[9]								**0.2**	**0.2**
EPA MCLS			**0.005**	**1**	**0.7**	**10.0**			
RRSL			**0.00041**	**2.3**	**0.0015**	**0.2**	**0.012**		

[9] We have used the limit set by direct ingestion of groundwater contaminated with unknown oil. When the exposure from groundwater is via inhalation, and not direct ingestion, the TPH screening guideline for unknown oil is 50 ppm.

Table 14: EPA METHOD 8260B VOLATILES. Levels of VOCs of concern from within Ponds 1 through 8 – all units of concentrations are in mg/l.

	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylene	MTBE
Pond 1	12/2/08	.0083	0.089	0.033	0.26	<0.005
	9/9/08	.0033	.0058	.0026	.02	<.001
	6/17/08	<.001	.0056	.0016	.012	<.001
	3/11/08	0.19	0.47	.0087	0.54	.0059
Pond 2	12/2/08	.0018	0.02	.0072	.057	<.001
	9/9/08	<.001	.0011	<.001	.0044	<.001
	6/17/08	<.005	<.005	<.005	<.0075	<.005
	3/11/08	.0038	.011	.0021	.014	<.001
Pond 3	12/2/08	.0011	.012	.0043	.034	<.001
	9/9/08	<.010	<.010	<.010	<.015	<.010
	6/17/08	<.001	<.001	<.001	<.0015	<.001
	3/11/08	<.001	.0019	<.001	.004	<.001
Pond 4	12/2/08	<.001	.008	.0029	.022	<.001
	9/9/08	<.010	<.010	<.010	<.015	<.010
	6/17/08	<.001	<.001	<.001	<.0015	<.001
	3/11/08	<.001	<.001	<.001	.002	<.001
Pond 5	12/2/08	<.001	.0026	.0010	.0072	<.001
	9/9/08	<.010	<.010	<.010	<.015	<.010
	6/17/08	<.001	<.001	<.001	<.0015	<.001
	3/11/08	<.001	<.001	<.001	<.0015	<.001
Pond 6	12/2/08	<.001	<.001	<.001	<.0015	<.001
	9/9/08	<.010	<.010	<.010	<.015	<.010
	6/17/08	<.001	<.001	<.001	<.0015	<.001
	3/11/08	<.001	<.001	<.001	<.0015	<.001
Pond 7	12/2/08	<.001	<.001	<.001	<.0015	<.001
	9/9/08	<.010	<.010	<.010	<.015	<.010
	6/17/08	<.001	<.001	<.001	<.0015	<.001
	3/11/08	<.001	<.001	<.001	<.0015	<.001
Pond 8	12/2/08	<.001	<.001	<.001	<.0015	<.001
	9/9/08	<.010	<.010	<.010	<.015	<.010
	6/17/08	<.001	<.001	<.001	<.0015	<.001
	3/11/08	<.001	<.001	<.001	<.0015	<.001

Table 15: EPA METHOD 300.0 ANIONS, EPA 120.1 SPECIFIC CONDUCTANCE, EPA 410.1 COD, EPA 405.1 BOD, SM4500-H+B: pH Levels of all detected compounds in Evaporation Ponds 1 through 8 in 2008- all units of concentrations are in mg/l.

	DATE	pH	Specific Conductance (umhos/cm)	COD	BOD	E-Coli (cfu/100ml)	Fluoride	Chloride	NITROGEN Nitrite (as N) Nitrate (as N)	Phosphorus Orthophosphate (asP)	Sulfate
POND 1	12/2/08	7.76	4400				110	360	<1.0	7.2	780
	9/9/08	7.82	4500	3000	299	58	99	150	<1.0	<5.0	7700
	6/17/08	7.57	4600	1230	327		120	120	<1.0	15	1100
	3/11/08	3.81	4900	965	556	Absent	560	540	<5.0	<25	980
POND 2	12/2/08	7.80	8500				37	1800	<2.0	<2.0	1000
	9/9/08	7.97	10000	2500	122	300	48	2800	<1.0	<1.0	960
	6/17/08	7.90	11000	790	110		63	2900	<4.0	<5.0	1300
	3/11/08	6.81	8400	871	.71	Absent	63	2200	<5.0	<25	970
POND 3	12/2/08	7.86	8500				26	1800	<2.0	<10	980
	9/9/08	7.94	10000	950	73.0	310	51	2800	<1.0	<1.0	1100
	6/17/08	7.91	13000	691	96.9		44	3700	<4.0	<5.0	1400
	3/11/08	7.86	9800	871	323	Present	41	2700	<5.0	<5.0	1000
POND 4	12/2/08	7.89	9100				27	2000	<2.0	<2.0	1000
	6/17/08	7.90	11000	850	68.0	54.5	49	2900	<1.0	<1.0	1100
	6/17/08	7.94	15000	110	103		34	4500	<4.0	<5.0	1500
	3/11/08	8.06	10000	663	275	Present	32	2800	<5.0	<5.0	1000
POND 5	12/2/08	7.82	14000				29	2900	<4.0	<10	1200
	9/9/08	7.93	10000	667	59.0	54.5	33	3000	<1.0	<1.0	890
	6/7/08	7.86	17000	578	<128		26	5400	<10	<5.0	1800
	3/11/08	7.82	10000	506	178	Present	41	2900	<5.0	<5.0	1100
POND 6	12/2/08	7.70	19000				28	5500	<4.0	<10	7600
	9/9/08	7.83	16000	949	47.0	90.9	26	4900	<4.0	<5.0	1900
	6/17/08	7.64	25000	723	<128		29	6600	<10	<5.0	2600
	3/11/08	7.7	13000	847	126	Present	35	4100	<5.0	<5.0	1600
POND 7	12/2/08	7.55	140000				35	42000	<40	<10	8300
	9/9/08	7.52	110000	3330	47.8	27.9	25	38000	<40	<5.0	8500
	6/17/08	7.34	180000	4340	17.7		29	64000	<100	<5.0	15000
	3/11/08	7.61	68000	2118	15.7	Absent	22	22000	<5.0	<5.0	5600
POND 8	12/2/08	7.39	170000				31	46000	<40	<25	8600
	9/9/08	7.75	51000	3080	<16.0	102	26	17000	<20	<5.0	3400
	6/17/08	6.28	420000	16100	8.2		94	160000	<200	<5.0	20000
	3/11/08	7.47	94000	1770	17.4	Absent	25	3000	<5.0	<5.0	6100

Table 16: EPA METHOD 7470 MERCURY, 6010B TOTAL RECOVERABLE METALS. Levels of all detected metals in Evaporations Ponds 1-8 in 2008. All units of concentrations are in mg/l.

	DATE	Hg	Ba	Ca	Cr	Cu	Fe	Pb	Mg	Mn	K	Na	U	Zn
POND 1	12/2/08													
	9/9/08	<.0002	0.76	45	<.006	<.006		<.005	14	0.22	62	460	<.001	0.12
	6/17/08	.00035	0.10	57	.0085	.010	4.9	.0052	15	0.14	96	540	<.10	0.88
	3/11/08	<.0002	.029	18	.061	<.006	55		17	0.80	36	910	<0.50	1.8
POND 2	12/2/08													
	9/9/08	<.0002	0.10	340	<.006	<.006		<.0005	84	0.21	52	1900	<.00207	.086
	6/17/08	<.0002	.066	290	<.006	<.006	1.4	<0005	78	0.14	110	2200	<0.10	0.31
	3/11/08	<.0002	.022	81	<.006	<.006	5.4		55	0.28	88	1700	<0.10	0.12
POND 3	12/2/08													
	9/9/08	<.0002	0.11	340	<.006	<.006		<.005	87	0.21	54	2000	.00237	.047
	6/17/08	<.0002	.061	320	<.006	<.006	0.73	<.005	97	0.15	140	2700	<0.10	0.14
	3/11/08	<.0002	.037	170	<.006	<0006	1.4		71	0.23	93	2000	<0.10	.045
POND 4	12/2/08													
	9/9/08	<.0005	0.13	320	<.006	<.006		<.005	87	0.23	54	2000	.00187	.021
	6/17/08	<.0002	.065	340	<.030	<.030	0.42	<.025	130	0.19	160	3000	<0.50	<0.10
	3/11/08	<.0002	.045	230	<.006	<.006	0.73		80	0.21	94	2000	<0.10	.034
POND 5	12/2/08													
	9/9/08	<.0002	0.14	220	<.006	<.006		<.005	82	0.17	70	2000	.00142	<.020
	6/17/08	<.0002	0.074	390	<.030	<.030	<.25	<.025	150	0.44	190	3600	<0.50	<0.10
	3/11/08	<.0002	.059	290	<.006	<.006	0.64		80	0.28	83	1900	<0.10	0.029
POND 6	12/2/08													
	9/9/08	<.0002	0.11	330	<.006	<.006		<.005	130	0.46	130	3300	.00125	<.020
	6/17/08	<.0002	.093	460	<.030	<.030	<.025	<.025	170	1.1	190	4600	<0.50	<0.10
	3/11/08	<.0002	.073	300	<.030	<.030	1.3		100	0.52	110	2800	<0.50	<0.10
POND 7	12/2/08													
	9/9/08	<.0002	0.11	730	<.006	<.006		<.050	960	5.8	1100	28000	.00103	<.020
	6/17/08	<.0002	<0.20	1400	<0.12	<0.12	<0.25	<0.10	1400	8.1	1800	49000	<2.0	<0.40
	3/11/08	<.0002	.074	690	<.030	<.030	0.69		490	3.2	590	13000	<0.50	<0.10
POND 8	12/2/08													
	9/9/08	<.0002	0.12	530	<.030	<.030		<.025	420	2.4	800	9500	.00148	<0.10
	6/17/08	<.0008	<0.50	1100	<0.30	<0.30	<0.50	<0.25	8800	82	12000	99000	<5.0	<1.0
	3/11/08	<.0002	<0.10	590	<.060	<.060	1.4		760	5.8	1100	20000	<1.0	<0.20

12-2-08 4TH QUARTER 6010B analyses not run.

Table 17: EPA METHOD 8260B VOLATILES. Levels of detected VOCs in Ponds 1 through 8 – all units of concentrations are in mg/l.

	POND 1 (MG/L)		POND 2 MG/L	POND 3 (MG/L)	POND 4 (MG/L)	POND 5 MG/L	POND 6 (MG/L)	POND 7 (MG/L)	POND 8 (MG/L)
1,2,4 TRIMETHYL BENZENE	12/2/08	0.13	.028	.018	.013	.048	.001	.0013	<.001
	9/9/08	.027	.0064	<.01	<.01	<.01	<.01	<.01	<.01
	6/17/08	.017	.015	.002	<.001	<.001	<.001	.0012	.0011
	3/11/08	0.38	.012	.0043	.0028	.0015	.002	<.001	
1,3,5 TRIMETHYL BENZENE	12/2/08	.046	.0097	.0065	.0048	.019	<.001	<.001	<.001
	9/9/08	.0095	.0021	<.01	<.01	<.01	<.01	<.01	<.01
	6/17/08	.0044	<.005	<.001	<.001	<.001	<.001	<.001	<.001
	3/11/08	0.11	.0032	.001	<.001	<.001	<.001	<.001	<.001
NAPHTHA LENE	12/2/08	.074	.016	.011	.0075	.0025	<.002	<.002	<.002
	9/9/08	.033	.0064	<.02	<.02	<.02	<.02	<.02	<.02
	6/17/08	.031	.014	.003	<.002	<.002	<.002	<.002	<.002
	3/11.0/	0.2	.020	.0087	.0066	.0037	.004	<.002	<.001
1-METHY LNAPHTHA LENE	12/2/08	.140	.037	.024	.014	.0061	<.004	<.004	<.004
	9/9/0/	.062	.016	<.04	<.04	<.04	<.04	<.04	<.04
	6/17/08	.072	.033	.015	<.004	<.004	<.004	<.004	<.004
	3/11/08	0.28	.034	.020	.015	.011	.015	<.004	<.004
2-METHYL NAPHTHAL ENE	12/2/08	.220	.053	.035	.021	.0089	<.004	<.004	<.004
	9/9/08	.088	.023	<.04	<.04	<.04	<.04	<.04	<.04
	6/17/08	0.3	.050	.023	<.004	<.004	<.004	<.004	<.004
	3/11/08	0.39	.049	.028	.022	.017	.020	<.004	<.004
ACETONE	12/2/08	1.0	.65	.67	.60	.20	<.01	.017	<.01
	9/9/08	1.6	.36	.11	<.10	<0.1	<0.1	<0.1	<0.1
	6/17/08	1.6	0.64	.16	.059	.046	<.010	.049	.12
	3/11/08	1.4	1.7	.920	.80	.19	.64	.034	.024
2-BUTANONE	12/2/08	.094	.072	.064	.043	.016	<.01	<.01	<.01
	9/9/08	.15	.035	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	6/17/08	.19	.080	.018	<.01	<.01	<.01	<.01	.014
	3/11/08	.16	.12	.064	.042	.023	.032	<.01	<.01
CARBON DISULFIDE	12/2/08	<.05	.026	.028	.034	.015	<.01	<.01	<.01
	9/9/08	.039	.025	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	6/17/08	.011	<.05	.010	.050	.033	<.01	<.01	<.01
	3/11/08	<.05	.018	.045	.063	.097	.040	<.01	<.01
CHLORO METHANE	6/17/08								.0013
ISOPROPYL BENZENE	12/2/08	.0081	.0018	.0011	.001	<.001	<.001	<.001	<.001
	9/9/08	.0011	<.001	<.01	<.001	<.01	<.01	<.01	<.01
	6/17/08	<.001	<.005	<.001	<.001	<.001	<.001	<.001	<.001
	3/11/08	.01	<.001	<.001	<.001	<.001	<.001	<.001	<.001
4-ISOPROPYL TOLUENE	12/2/08	.0072	.0015	<.001	<.001	<.001	<.001	<.001	<.001
	9/9/08	.0020	<.001	<.01	<.001	<.01	<.01	<.01	<.01
	6/17/08	<.001	<.005	<.001	<.001	<.001	<.001	<.001	<.001
	3/11/08	.0052	<.001	<.001	<.001	<.001	<.001	<.001	<.001
N-BUTYL BENZENE	12/2/08	.021	.0041	.0024	.0023	.0011	<.001	<.001	<.001
	9/9/08	.0087	.0025	<.01	<.01	<.01	<.01	<.01	<.01
	6/17/08	.0055	.009	<.001	<.001	<.001	<.001	<.001	<.001
	3/11/08	.046	.0014	<.001	<.001	<.001	<.001	<.001	<.001
N-PROPYL BENZENE	12/2/08	.015	.0030	.0019	.0018	<.001	<.001	<.001	<.001
	9/9/08	.0029	<.001	<.01	<.01	<.01	<.01	<.01	<.01
	6/17/08	.0015	<.005	<.001	<.001	<.001	<.001	<.001	<.001
	3/11/08	.036	<.001	<.001	<.001	<.001	<.001	<.001	<.001
SEC-BUTYL BENZENE	12/2/08	.0064	<.001	<.001	.001	<.001	<.001	<.001	<.001
	9/9/08	.0024	<.001	<.01	<.01	<.01	<.01	<.01	<.01
	6/17/08	<.001	<.005	<.001	<.001	<.001	<.001	<.001	<.001
	3/11/08	.0086	<.001	<.001	<.001	<.001	<.001	<.001	<.001

Table 18: EPA METHOD 8260B VOLATILES. Levels of BTEX+MTBE in inlets to Evaporation Ponds 1 and 2. All units of concentrations are in mg/l.

	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylene	MTBE
Evaporation Pond 1 Inlet	8/21/08	.023	.028	<.005	.029	<.005
Evaporation Pond 2 Inlet	8/21/08	<.01	.026	.014	.010	<.0.01

Table 19: EPA METHOD 300.0 ANIONS, EPA 120.1 SPECIFIC CONDUCTANCE, EPA 410.1 COD, EPA 405.1 BOD, SM4500-H+B: pH. Levels of all detected analytes and other parameters in inlets to Evaporation Ponds 1 and 2. All units of concentrations are in mg/l.

	DATE	pH	Specific Conductance (umhos/cm)	COD	BOD	E-Coli (cfu/100ml)	Fluoride	Chloride	NITROGEN Nitrite (as N) Nitrate (as N)	Phosphorus Orthophosphate (asP)	Sulfate
EP 1 INLET	8/21/08	7.9	4400				32	150	<1.0	<5.0	1300
EP 2 INLET	8/21/08			1540	345						

Table 20: EPA METHOD 7470 MERCURY, 6010B TOTAL RECOVERABLE METALS Levels of all detected metals in inlets to Evaporation Ponds 1 and 2. All units of concentrations are in mg/l.

	DATE	Hg	Ba	Ca	Cr	Cu	Fe	Pb	Mg	Mn	K	Na	U	Zn
EP-1 INLET	8/21/08		0.92	77	<.006	<.0063			17	.13	32	420		.29
EP-2 INLET	8/21/08				<.006	<.006								

Table 21: EPA METHOD 8260B VOLATILES. Levels of all detected VOCs in Inlets to Evaporation Ponds 1 and 2 in 2008 - all units of concentrations are in mg/l.

	Evaporation Pond 1 Inlet Concentration Levels (mg/l)	Evaporation Pond 2 Inlet Concentration Levels (mg/l)
1,2,4 TRIMETHYLBENZENE	.027	.0064
1,3,5 TRIMETHYLBENZENE	.0095	.0021
NAPTHALENE	.033	.0064
1-METHYLNAPHTHALENE	.062	.016
2-METHYLNAPHTHALENE	.088	.023
ACETONE	1.6	0.36
2-BUTANONE	0.15	0.035
CARBON DISULFIDE	.039	.025
ISOPROPYLBENZENE	.0011	
4-ISOPROPYLTOLUENE	.002	
N-BUTYLBENZENE	.0087	.0025
N-PROPYLBENZENE	.0029	
SEC-BUTYLBENZENE	.0024	

Table 22: EPA METHOD 8260B VOLATILES. Quarterly Sampling Requirements: Levels of BTEX + MTBE in AL-2 to EP-1, Pilot Effluent and NAPIS Effluent and EP-1. All units of concentrations are in mg/l (Note: Contaminants not presented were not detected.)

	Date Sampled	Benzene	Toluene	Ethylbenzene	Xylene	MTBE
AL-2 TO EP-1	3/11/08	.19	.46	0.099	0.68	<0.01
	6/17/08	<0.02	<0.02	<0.02	<0.03	<002
	9/9/08	<0.02	<0.02	<0.02	<0.03	<0.02
	12/2/08	0.012	0.085	0.028	0.21	<0.005
PILOT EFFLUENT	3/11/08	<0.001	.0015	<0.001	<0.0015	<0.001
	6/17/08	<0.001	0.0062	<0.001	<0.0015	<0.001
	9/9/08	<0.005	<0.005	<0.005	<0.005	<0.0075
	12/2/08	<0.001	<0.001	<0.001	<0.001	<0.001
NAPIS EFFLUENT	3/10/08	0.47	0.73	0.150	0.970	<0.05
	6/17/08	0.84	1.5	0.14	0.89	<0.1
	9/9/08	0.36	0.39	.028	0.2	<0.02
	12/2/08	1.4	3.3	0.36	1.9	<0.05
EP-1	3/11/08	0.19	0.44	0.079	0.48	0.0058
	6/17/08	<0.01	0.012	<0.01	0.024	<0.01
	9/9/08	<0.01	<0.01	<0.01	0.018	<0.01
	12/2/08	0.007	0.081	0.030	0.23	<0.005

Table 23: EPA METHOD 8260B VOLATILES. Quarterly Sampling Requirements. Levels of All detected VOCs in AL-2 to EP-1, Pilot Effluent and NAPIS Effluent and EP-1. All units of concentrations are in mg/l

	AL-2 TO EP-1 (MG/L)		PILOT EFFLUENT MG/L	NAPIS EFFLUENT (MG/L)	EP-1 (MG/L)
1,2,4 TRIMETHYLBENZENE	3/10/08	0.60	<0.001	0.590	0.3
	6/17/08	0.039	<0.001	0.26	0.033
	9/9/08	<0.02	<0.005	0.053	0.04
	12/208	0.12	<0.001	0.4	0.11
1,3,5 TRIMETHYLBENZENE	3/10/08	0.170	<0.001	0.170	0.09
	6/17/08	<0.02	<0.001	<0.1	<0.01
	9/9/08	<0.02	<0.005	<0.02	<0.01
	12/2/08	0.041	<0.001	0.1	0.037
NAPHTHALENE	3/10/08	0.330	<0.002	0.200	0.17
	6/17/08	0.051	<0.002	0.29	0.053
	9/9/08	<0.04	<0.010	0.087	0.067
	12/2/08	0.078	<0.002	0.43	0.072
1-METHYLNAPHTHALENE	3/10/08	0.340	<0.004	0.250	0.19
	6/17/08	0.18	<0.004	0.4	0.087
	9/9/08	<0.08	<0.02	<0.08	0.24
	12/2/08	0.19	<0.004	0.29	0.14
2-METHYLNAPHTHALENE	3/10/08	0.520	<0.004	0.380	0.29
	6/17/08	0.26	<0.004	<0.4	0.13
	9/9/08	<0.08	<0.02	<0.08	0.35
	12/2/08	0.28	<0.004	0.46	0.22
ACETONE	3/10/08	2.2	0.490	0.500	1.2
	6/17/08	3.8	0.078	17.0	1.6
	9/9/08	2.2	0.3	17.0	1.7
	12/2/08	1.9	0.058	4.7	1.7
2-BUTANONE	3/10/08	0.480	<0.01	<0.5	0.17
	6/17/08	0.350	0.010	2.5	0.32
	9/9/08	<0.2	<0.05	1.9	0.21
	12/2/08	0.095	<0.001	<0.5	0.10
CHLOROFORM	3/11/08	<0.01	0.0069	<0.05	<0.005
	6/17/08	<0.02	0.0044	<0.1	<0.01
	9/9/08	<0.02	<0.005	<0.02	<0.01
	12/2/08	<0.005	<0.001	<0.05	<0.005
ISOPROPYLBENZENE	3/10/08	0.012	<0.001	<0.05	.0079
	6/17/08	<0.02	<0.001	<0.1	<0.01
	9/9/08	<0.02	<0.005	<0.02	<0.01
	12/2/08	0.0066	<0.001	<0.05	0.0073
4-ISOPROPYLTOLUENE	3/10/08	0.015	<0.001	<0.05	<0.005
	6/17/08	<0.02	<0.001	<0.1	<0.01
	9/9/08	<0.02	<0.005	<0.02	<0.01
	12/2/08	0.0067	<0.001	<0.05	0.0055
N-BUTYLBENZENE	3/10/08	0.055	<0.001	<0.05	<0.005
	6/17/08	<0.02	<0.001	<0.1	<0.01
	9/9/08	<0.02	<0.005	<0.02	<0.011
	12/2/08	<0.005	<0.001	<0.05	0.0019
N-PROPYLBENZENE	3/10/08	0.045	<0.001	<0.05	0.027
	6/17/08	<0.02	<0.001	<0.1	<0.01
	9/9/08	<0.02	<0.005	<0.02	<0.01
	12/2/08	0.013	<0.001	<0.05	0.0013
SEC-BUTYLBENZENE	3/11/08	<0.01	<0.001	<0.05	0.005
	6/17/08	<0.02	<0.01	<0.1	<0.01
	9/9/08	<0.02	<0.05	<0.02	<0.01
	12/2/08	<0.05	<0.001	<0.05	<0.01
1-4 DICHLORABENZENE	3/11/08	<0.01	<0.001	<0.05	<0.01
	6/17/08	<0.02	0.0018	<0.1	<0.01
	9/9/08	<0.02	<0.05	<0.02	<0.01
	12/2/08	<0.05	<0.001	<0.05	<0.01

Table 24: EPA METHOD 7470 MERCURY, 6010B TOTAL RECOVERABLE METALS and EPA METHOD 8015B DRO/GRO. Quarterly Levels of metals, DRO and GRO in Al-2 to EP-1, Pilot Effluent, NAPIS Effluent, and EP-1. All units of concentrations are in mg/l.

	DATE	DRO	GRO	Hg	As	Ba	Cd	Ca	Cr	Cu
Al-2 to EP-1	3/10/08	24	1.7	<0.0002	<0.20	0.017	<0.002		0.1	<0.006
	6/17/08	140	1.4	0.00076	<0.02	0.14	<0.002		0.013	0.015
	9/9/08	44	<5.0	<0.0002	<0.02	0.069	<0.002		0.0072	<0.006
	12/2/08	160	<5.0	0.00048	<0.02	0.20	<0.005		<0.01	<0.02
PILOT EFFLUENT	3/11/08	12	<0.05	<0.0002	<0.02	0.022	<0.002		<0.006	0.018
	6/17/08	5.4	0.078	<0.0002	<0.02	0.019	<0.002		<0.006	0.012
	9/9/08	6.3	<1.0	<0.0002	<0.02	0.017	<0.002		<0.006	0.021
	12/2/08	10	<0.5	<0.0002	<0.02	0.021	<0.005	220	<0.01	0.040
NAPIS EFFLUENT	3/10/08	290	11	0.00028	<0.2	0.32	<0.002	120	0.019	0.053
	6/17/08	44	11	<0.0002	<0.02	0.081	<0.002	50	<0.006	<0.006
	9/9/08	35	<10	<0.0002	<0.02	0.062	<0.002	42	<0.006	<0.006
	12/2/08	68	20	0.00026	<0.02	0.11	<0.005		<0.01	<0.02
EP-1	3/11/08	32	1.9							
	6/17/08	140	2.7							
	9/9/08	140	<20							
	12/2/08	120	<5.0							

	DATE	Fe	Pb	Mg	Mn	K	Se	Ag	Na	U	Zn
Al-2 to EP-1	3/10/08	110	<0.005		1.4		<0.05	<0.005		1.9	1.9
	6/17/08	9.0	0.0057		0.13		<0.05	<0.005		.00071	1.6
	9/9/08	2.5	<0.005		0.13		<0.05	<0.005		<0.001	0.19
	12/2/08	6.8	<0.005		0.40		0.034	<0.01			0.59
PILOT EFFLUENT	3/11/08	0.35	<0.005		0.092		<0.5	<0.005		<0.1	0.055
	6/17/08	0.44	<0.005		0.1		<0.05	<0.005		.0009	0.043
	9/9/08	0.49	<0.005		0.085		<0.05	<0.005		<0.001	0.057
	12/2/08	0.36	<0.005	51	0.086	31	<0.02	<0.01	260		0.068
NAPIS EFFLUENT	3/10/08	10	0.013	28	0.2	22	<0.5	<0.005	550	<0.1	1.3
	6/17/08	1.1	<0.005	12	0.057	13	<0.05	<0.005	320	<0.00063	0.19
	9/9/08	0.073	<0.005	9.0	0.057	7.7	0.052	<0.005	200	<0.001	<0.02
	12/2/08	1.8	<0.005		0.17		<0.02	<0.01			0.23

Table 25: EPA METHOD 300.0 ANIONS, EPA 120.1 SPECIFIC CONDUCTANCE, EPA 410.1 COD, EPA 405.1 BOD, SM4500-H+B: PH. Quarterly Sampling Requirements for Pilot Effluent and NAPIS Effluent, EP-1 and Boiler Water to EP-2. All units of concentrations are in mg/l.

	Date Sampled	pH	Specific Conductance (umhos/cm)	COD	BOD	Fluoride	Chloride	Nitrogen Nitrite (as N)	Nitrogen Nitrate (as N)	Phosphorus Orthophosphate (as P)	Sulfate
NAPIS EFFLUENT	3/10/08					69	480	<5.0	<5.0	<25	570
	6/17/08	9.07	4600			19	93	<1.0	3.4	37	630
	9/9/08	9.44	3300			11	78	1.8		14	440
	12/2/08	8.63	2200			12	160	<1.0	1.2	<5.0	510
PILOT EFFLUENT	3/11/08			824	618						
	6/17/08			699	399						
	9/9/08			795	375						
				336	642						
EP-1	3/11/08	3.81		965	510		500				
	6/17/08	7.43		2650	294						
	9/9/08	7.93		1360	262		170				
	12/2/08	7.62		840	231		350				
Boiler Water to EP-2	6/17/08	7.90	6500			1.3	67	<1.0	<0.10	<0.50	2600

Table 26: EPA METHOD 8270C SEMIVOLATILES. Quarterly Sampling Requirements. Levels of all detected SVOCs in NAPIS Effluent and EP-1. All units of concentrations are in mg/l

	NAPIS EFFLUENT (MG/L)		EP-1 MG/L
	DATE	RESULTS	RESULTS
2,4-DIMETHYLPHENOL	3/10/08		0.1
	6/17/08	0.15	0.13
	9/9/08	0.49	0.2
	12/208	0.12	0.087
CARBAZOLE	3/10/08	0.071	
	6/17/08		
	9/9/08		
	12/2/08		
CHRYSENE	3/10/08	0.12	
	6/17/08		
	9/9/08		
	12/2/08		
FLUORENE	3/10/08	0.093	
	6/17/08		
	9/9/08		
	12/2/08		
2-METHYLNAPHTHALENE	3/10/08	0.59	
	6/17/08	0.5	
	9/9/08	0.063	
	12/2/08		
2-METHYLPHENOL	3/10/08	0.15	0.88
	6/17/08	4.9	0.37
	9/9/08	7.4	0.45
	12/2/08	0.62	0.55
3+4-METHYLPHENOL	3/10/08	0.17	1.3
	6/17/08	8.5	0.40
	9/9/08	13	0.6
	12/2/08	3.2	0.86
PHENANTHRENE	3/11/08	0.44	
	6/17/08	0.16	
	9/9/08		
	12/2/08		
PHENOL	3/10/08	0.19	0.45
	6/17/08	17	1.2
	9/9/08	25	1.3
	12/2/08	6.8	15
PYRENE	3/10/08	0.15	
	6/17/08		
	9/9/08		
	12/2/08		
ANILINE	3/10/08		
	6/17/08	0.4	
	9/9/08	2.1	
	12/2/08		
NAPHTHALENE	3/10/08		
	6/17/08	0.24	
	9/9/08	0.076	
	12/2/08		

Table 27: EPA METHOD 8015B GRO/DRO, EPA METHOD 300.0 ANIONS, EPA 120:1 SPECIFIC CONDUCTANCE, SM4500-H+B: PH. Levels of all contaminants found in NAPIS Wells 1, 2, 3 (formerly tagged as KA-1R, KA-2R, KA-3R), and KA-3. All units of concentrations are in mg/l.

	DATE	pH	Specific Conductance (umhos/cm)	GRO	DRO	Fluoride	Chloride	Nitrate + Nitrite as N	Phosphorus Orthophosphate (as P)	Sulfate
NAPIS 1 (KA-1R)	4/11/08	7.26	2000	<0.05	<1.0	0.79	170	0.55 <0.10	<0.50	80
	7/9/08	7.27	1900	<0.05	<1.0	1.4	180	<1.0	<0.50	98
	9/30/08			<0.05	<1.0					
	11/10/08	7.30	1900	<0.05	<1.0	0.73	160	1.6 <0.10	<0.50	63
NAPIS 2 (KA-2R)	4/11/08	7.0	2100	2.2	1.5	0.92	**360**	<0.10 <1.0	<0.50	42
	7/9/08	7.18	2000	0.74	2.4	1.1	**270**	<1.0	<0.50	33
	9/30/08			0.45	3.9					
	11/10/08	7.21	1600	0.59	4.0	1.4	200	<0.1	<0.50	32
NAPIS 3 (KA-3R)	7/9/08	8.29	4200	<0.05	<1.0	0.46	**1100**	9.1	<0.50	**270**
	9/30/08	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY	DRY
	11/10/08	8.05	4300	<0.05	<1.0	1.1	**1100**	2.6 <1.0	<0.50	310
KA-3	11/10/08	7.34	2700	0.15	<1.0	0.46	**590**	11 2.0	<0.50	140
NMWQS						**1.6**	**250** (Domestic Water)	**10 Nitrate** **1 Nitrite**		**600**
NM TPH Screening Guidelines[10]				**0.2**	**0.2**					
EPA MCLS		**6-9**				**4.0**		**0.2**	**10**	**250**
RRSL								**58**		

Note: NAPIS 1 & NAPIS 2 - began sampling in second quarter 2008.
NAPIS 3 – began sampling third quarter 2008.
KA3 – Began sampling fourth Quarter 2008.

[10] We have used the limit set by direct ingestion of groundwater contaminated with unknown oil. When the exposure from groundwater is via inhalation, and not direct ingestion, the TPH screening guideline for unknown oil is 50 ppm.

Table 28: EPA METHOD 8021B, VOLATILES, EPA 6010B TOTAL RECOVERABLE METALS, EPA METHOD 8310: PAHS. Levels of all contaminants found in NAPIS Wells 1, 2, 3 (Formerly tagged as KA-1R, KA-2R, KA-3R), AND KA-3. EPA Method 8310 – PAHS showed only one hit in the Fourth Quarter in NAPIS 2 (KA-2R) for Fluorene .00099mg/l. All units of concentrations are in mg/l.)

	DATE	BENZENE	TOLUENE	ETHYL BENZENE	XYLENE	MTBE	Ba	Ca	Pb	Mg	K	Na	Fluorene
NAPIS 1 (KA-1R)	4/11/08	<0.001	<0.001	<0.001	<0.002	<0.0025		72		13	1.5	370	
	7/9/08	<0.001	<0.001	<0.001	<0.002	<0.0025		70		12	2.1	430	
	9/30/08	<0.001	<0.001	<0.001	<0.002	*	*	*	*	*	*	*	
	11/10/08	<0.001	<0.001	<0.001	<0.002	<0.0025	0.13	78		14	1.2	390	
NAPIS 2 (KA-2R)	4/11/08	**0.91**	0.019	0.051	0.12	**0.32**		110		19	1.3	380	
	7/9/08	**0.013**	<0.001	0.011	0.0056	**0.2**		70		13	<0.001	360	
	9/30/08	**0.016**	<0.001	0.0016	0.0041	*	*	*	*	*	*	*	*
	11/10/08	**0.025**	<0.001	0.011	<0.002	**0.18**	0.42	50	.0065	9.7		330	.00099
NAPIS 3 (KA-3R)	7/9/08	<0.001	<0.001	<0.001	<0.002	<0.0025		65		7.8	4.1	910	
	9/30/08	*	*	*	*	*	*	*	*	*	*	*	*
	11/10/08	<0.001	<0.001	<0.001	<0.002	<0.0025	0.13	41		6.6	4.4	960	
KA-3	11/10/08	<0.001	<0.001	<0.001	<0.002	**0.13**	0.20	65	.0095	11	1.8	570	
EPA MCLS		**0.005**	**1**	**0.7**	**10.0**		**20**		**0**				
NMWQS		**0.01**	**0.75**	**0.75**	**0.62**		**1.0**		**.05**				
RRSL		**0.00041**	**2.3**	**0.0015**	**0.2**	**0.012**	**7.3**						

*Third Quarter 2008 - Not analyzed for MTBE, or EPA 6010B. NAPIS 3 Well not sampled – not enough water in well for testing after purging.

Table 29: EPA METHOD 410.1 CHEMICAL OXYGEN DEMAND (COD), 405.1 BIOCHEMICAL OXYGEN DEMAND (BOD) Weekly Levels of COD and BOD at Inlet to EP-2 All units of concentrations are in mg/l.

	DATE	COD	BOD
Inlet to EP-2	1/10/08	1350	449
	1/17/08	1460	462
	1/24/08	1200	520
	1/31/08	1290	414
	2/7/08	2570	671
	2/15/08	2290	570
	2/21/08	1950	>394
	2/28/08	2440	46.1
	3/6/08	1520	947
	3/11/08	1150	651
	3/20/08	829	344
	3/26/08	1430	649

Table 30: EPA METHOD 410.1 CHEMICAL OXYGEN DEMAND (COD), 405.1 BIOCHEMICAL OXYGEN DEMAND (BOD), 8270C SEMI-VOLATILES (Phenols) Monthly levels of COD, BOD and Phenols at Inlet to AL-1, AL-2, EP-1 All units of concentrations are in mg/l.

	Date	COD	BOD	2,4 Dimethyl-phenol	2-Methyl-phenol	3+4 Methyl-phenol	Phenol	2-Methyl-napthlene	Phenan-threne
Inlet to AL-1	5/29/08	4210	1674	0.570	4.1	7.3	16.0		
	6/26/08	1180	741	0.2	3.6	6.2	16.0		
	7/23/08[11]	634	334	0.064	1.2	1.5	4.0	0.45	0.082
	8/26/08	5190	>2930	0.27	5.4	10.0	21.0		
	9/23/08	4620	>2460	0.57	6.3	11.0	18.0		
	10/14/08	3080	1665	<0.5	<0.5	0.84	1.2		
	11/12/08	1120	303	0.15	2.8	5.8	11.0		
	12/16/08	564	285	0.17	1.1	3.6	10.0		
Inlet to AL-2	5/29/08	2358	717	0.170	2.7	3.0	8.7		
	6/26/08	4470	1600	0.13	0.7	0.68	1.9		
	7/23/08	439	266	0.11	1.6	2.7	6.3	0.067	<0.05
	8/26/08	5360	2400	0.33	4.2	6.2	15.0		
	9/23/08	2620	872	0.36	6.9	13.0	22.0		
	10/14/08	4620	1032	0.13	2.4	4.4	12.0		
	11/12/08	3250	>2620	0.14	1.5	2.3	5.3		
	12/16/08	820	437	0.19	2.2	3.5	6.7		
Inlet to EP-1	5/29/08	2631	497	<0.1	1.0	1.5	3.4		
	6/26/08	4000	1756	0.22	<0.05	0.12	<0.05		
	7/23/08	658	285	0.062	0.11	0.11	0.18	0.13	0.12
	8/26/08	6100	1530	0.26	2.3	2.4	7.6		
	9/23/08	2310	755	0.26	3.7	6.2	2.4		
	10/14/08	2420	2058	0.15	3.2	6.0	17.0		
	11/12/08	2250	>2860	<0.5	1.9	2.8	6.2		
	12/16/08	718	385	0.27	3.0	5.1	9.9		

[11] It appears that on 7/23/08, the laboratory ran the full suite of SVOCs and not just modified for phenols.

3.2 Graphs of concentrations versus time

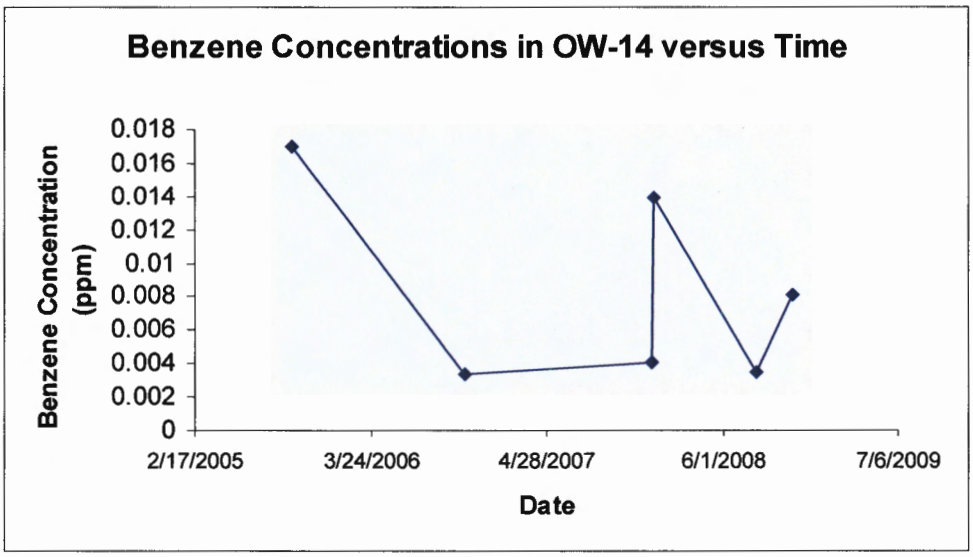


Figure 7: Benzene concentrations in OW-14 versus time

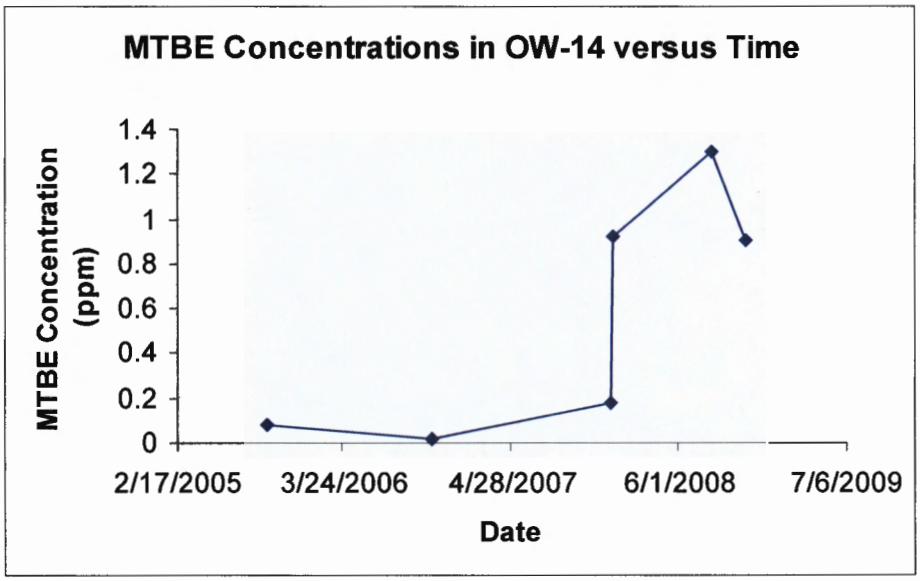


Figure 8: MTBE concentrations in OW-14 versus time

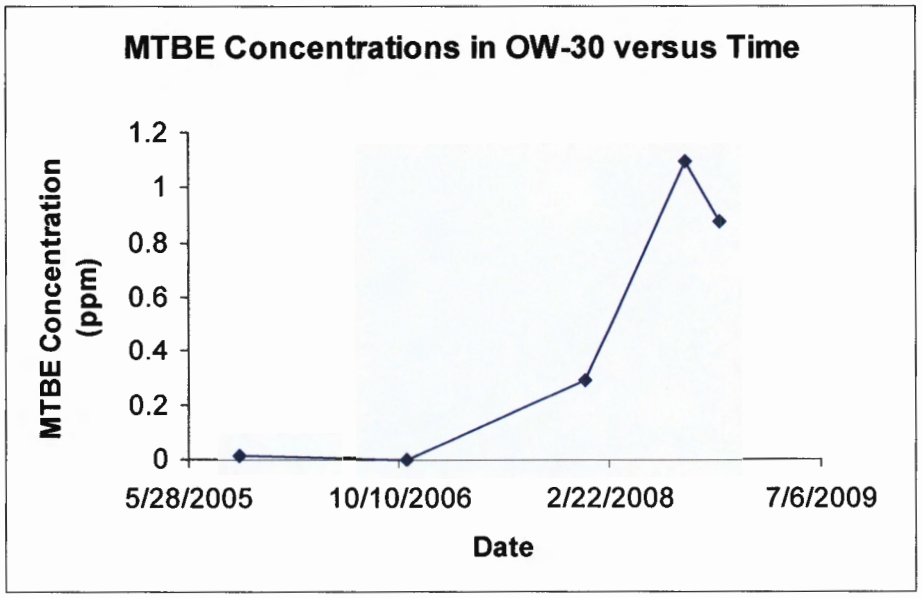


Figure 9: MTBE concentrations in OW-30 versus time

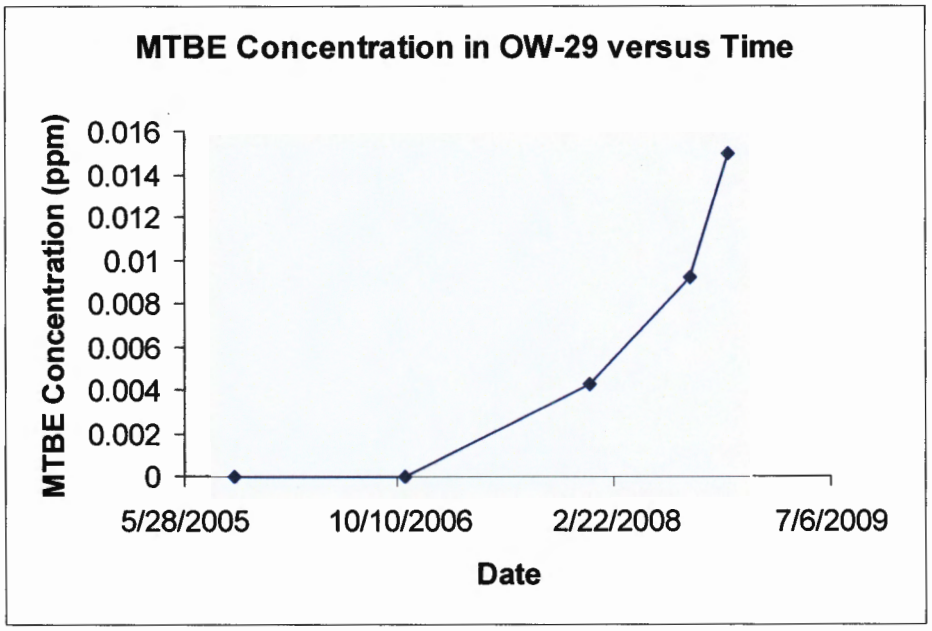


Figure 10: MTBE concentrations in OW-29 versus time

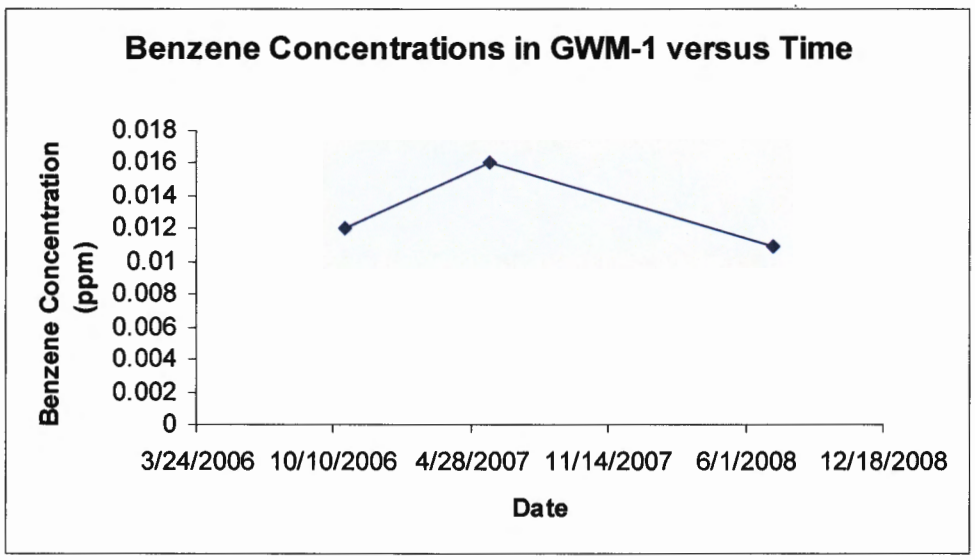


Figure 11: Benzene concentrations in GWM-1 versus time

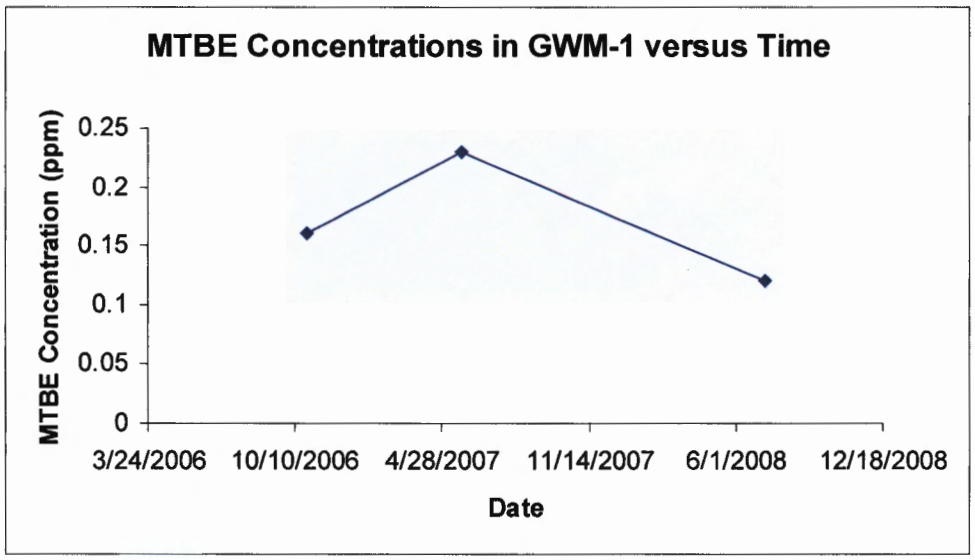


Figure 12: MTBE concentrations in GWM-1 versus time

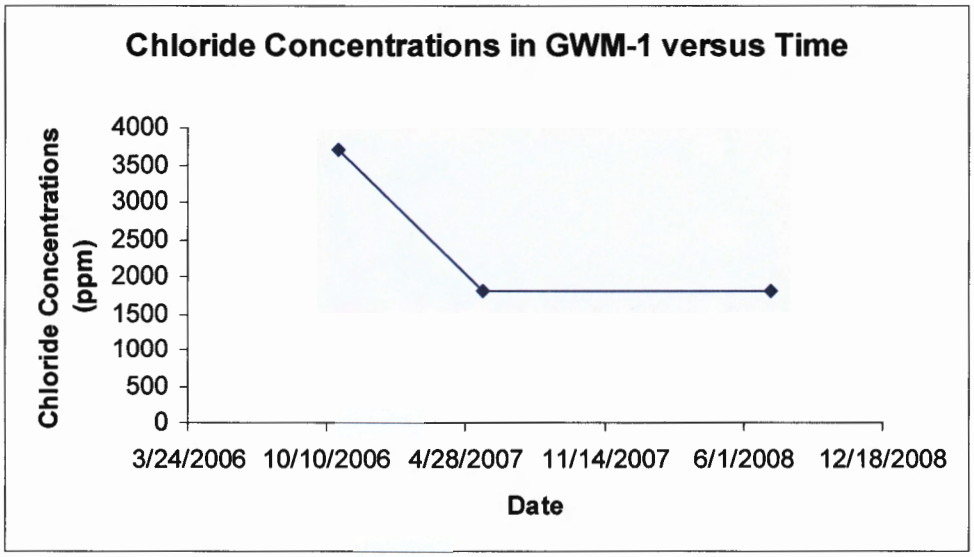


Figure 13: Chloride concentrations in GWM-1 versus time

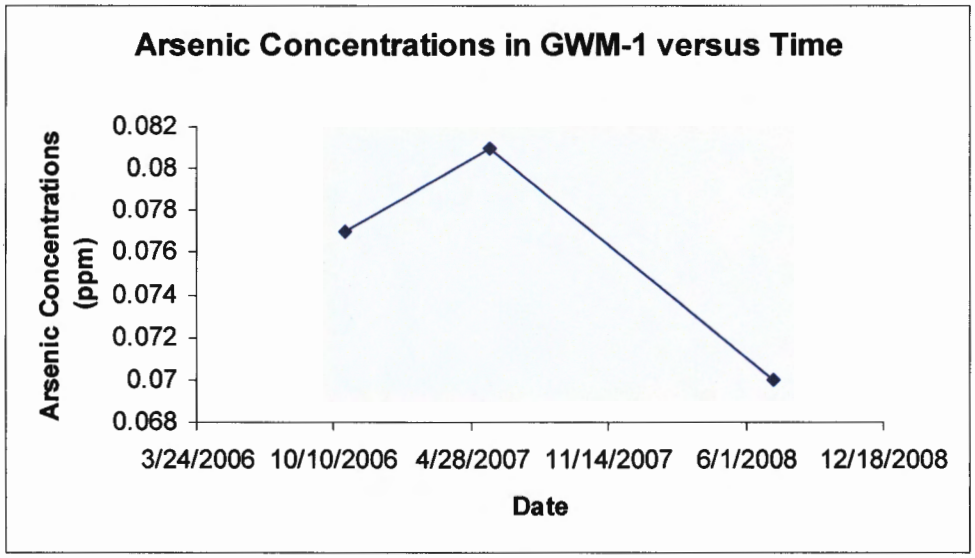


Figure 14: Arsenic concentrations in GWM-1 versus time

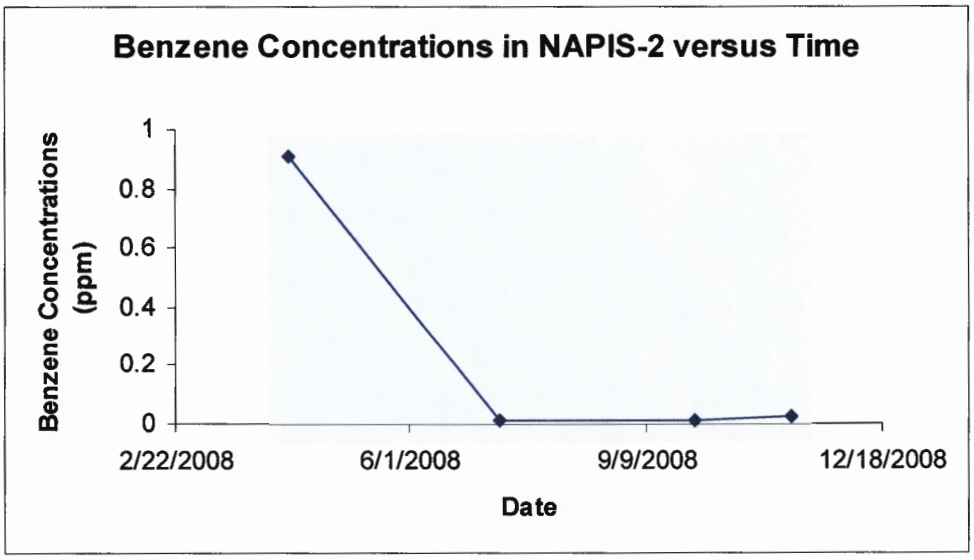


Figure 15: Benzene concentrations in NAPIS-2 versus time

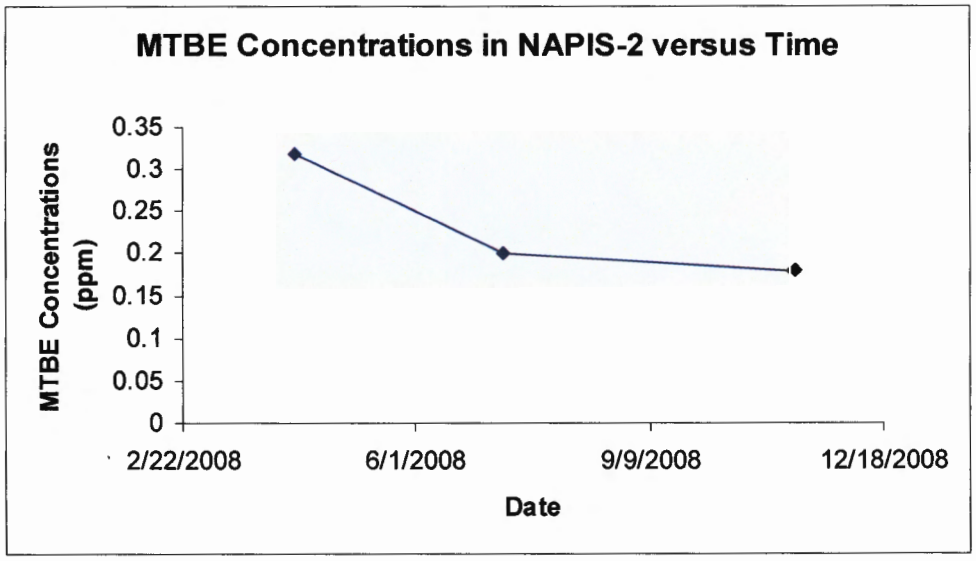


Figure 16: MTBE concentrations in NAPIS-2 versus time

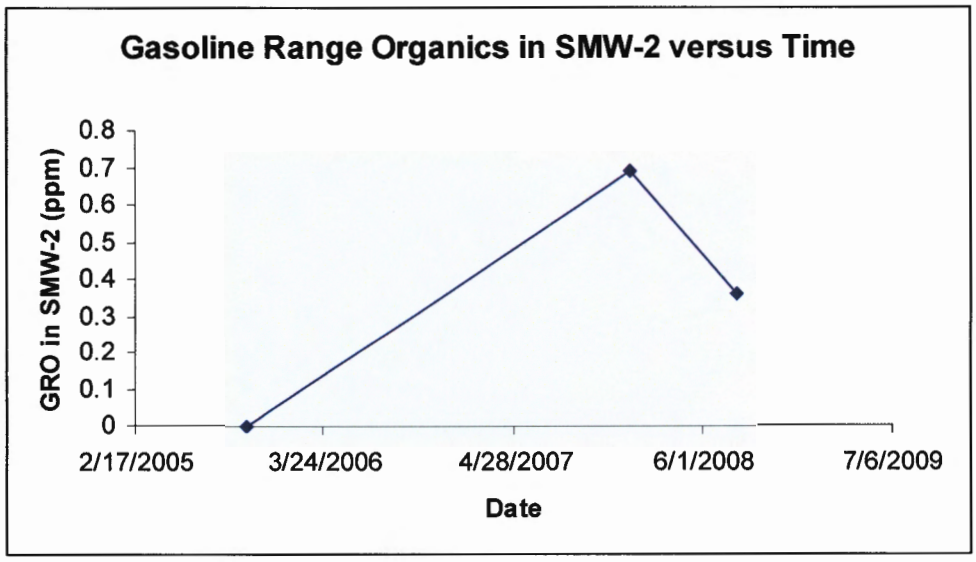


Figure 17: Gasoline Range Organics in SMW-2 versus time

4.0 Groundwater Elevations and Separate-Phase Hydrocarbons

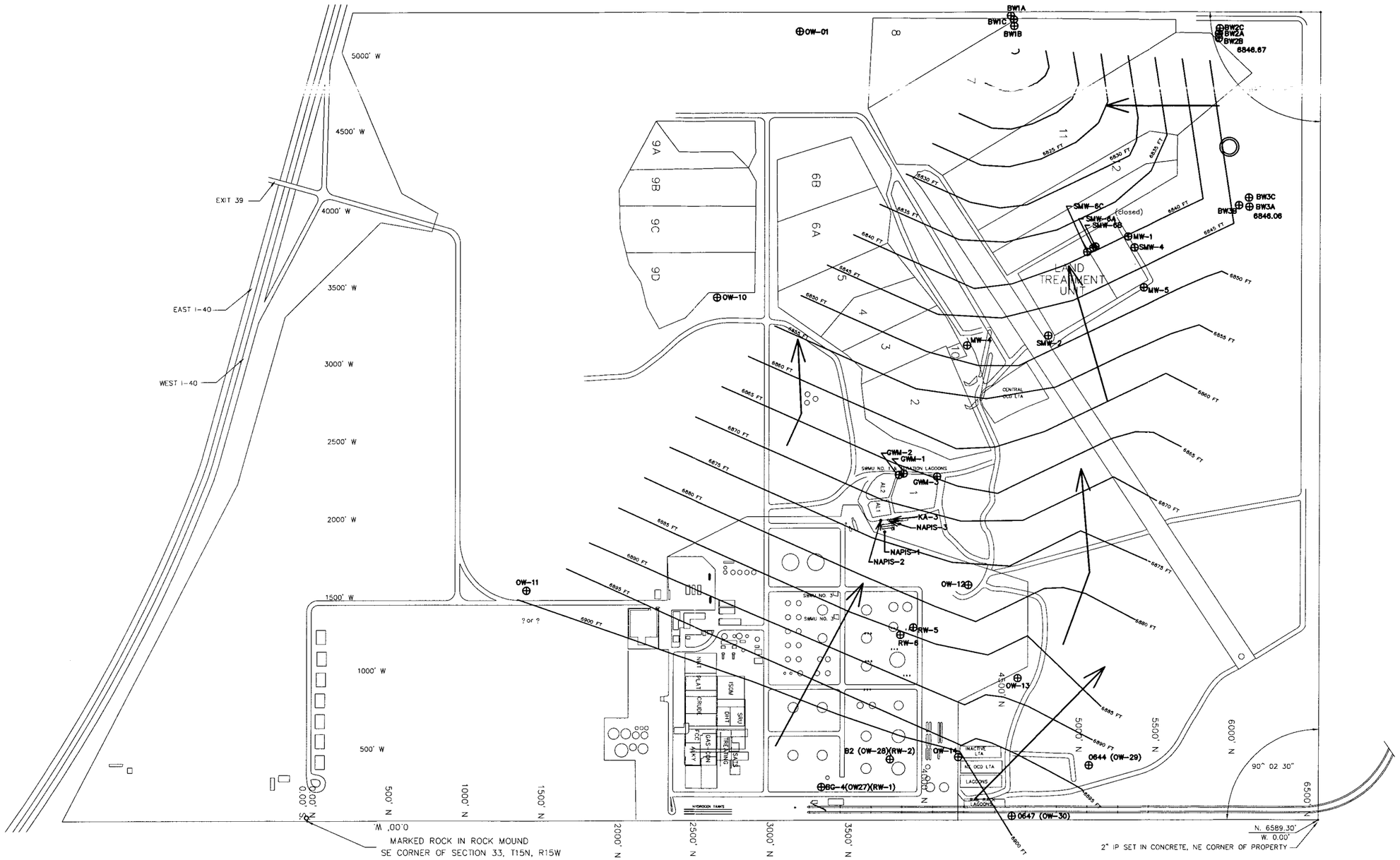
4.1 Potentiometric map

In 2007 we collected groundwater elevation data on the Chinle/alluvium wells in December. In 2008, these data were collected in July. The subsurface ridge that reverses a section of the shallow groundwater from the predominantly north-west flow direction to the north-east direction (seen earlier in December) does not seem to exist in July when a greater quantity of shallow groundwater is present.

This change in flow direction is in the same direction as where the surface water flows. It appears that the shallow groundwater would flow north-west and then outside the refinery boundary probably swing around and head to the south-west along with the surface water bodies that do the same shift in direction. This means that the shallow groundwater will never interact with the nearest community about 4 miles or more away which is in the north-west direction across the forks and tributaries of the Puerco River.

Figure 18 presents a potentiometric map showing groundwater elevations in some of the Chinle/alluvium wells and contours. Table 31 provides groundwater elevation data gathered during 2008.

Figure 18: Potentiometric map showing groundwater elevations at the Chinle/alluvium interface July 2008



File 06-054

Figure 18

Potentiometiric Map Showing Groundwater Elevations at the Chinle/Alluvium Interface

July 2008

Western Refinery, – Gallup Refinery
Interstate 40, Exit 39
Jamestown, New Mexico 87347
Date: August 22, 2007

DWG NO.

REV

Table 31: Well Water Elevation Data - 2008

WELL DATA 2008 SUMMARY TABLE
2008 ANNUAL GROUNDWATER DISCHARGE REPORT

Well ID Number	Measurement date	A Well Casing Rim Elevations (ft)	Well Casing Bottom Elevations (ft)	Total Well Depth (ft)	Depth to SPH (ft)	B SPH Thickness (ft)	C Depth to Water	D = A-C Groundwater Elevation (ft)	= 0.8B + D Corrected Water Table Elevation (ft)
BW-1A	7/30/2008	6,876.73	6,836.73	40.00	NA	NA	DRY	DRY	NA
BW-1B	7/30/2008	6,876.91	6,811.71	67.55	NA	NA	DRY	DRY	NA
BW-1C	7/30/2008	6,876.75	6,719.75	157.00	NA	NA	6.84	6,869.91	NA
BW-2A	7/30/2008	6,874.72	6,809.22	65.50	NA	NA	31.97	6,842.75	NA
BW-2B	7/30/2008	6,874.58	6,784.08	90.50	NA	NA	27.91	6,846.67	NA
BW-2C	7/30/2008	6,875.40	6,724.40	151.00	NA	NA	20.64	6,854.76	NA
BW-3A	7/30/2008	6,878.22	6,828.22	52.60	NA	NA	DRY	DRY	NA
BW-3B	7/31/2008	6,878.79	6,803.79	75.00	NA	NA	32.73	6,846.06	NA
BW-3C	7/31/2008	6,878.08	6,723.08	155.00	NA	NA	8.08	6,870.00	NA
OW-1	2/18/2008	6,868.00	6,773.96	94.04	NA	NA	1.75	6,866.25	NA
OW-1	5/21/2008	6,868.00	6,773.96	94.04	NA	NA	1.75	6,866.25	NA
OW-1	9/15/2008	6,868.00	6,773.96	94.04	NA	NA	1.78	6,866.22	NA
OW-1	11/3/2008	6,868.00	6,773.96	94.04	NA	NA	2.78	6,865.22	NA
OW-10	2/18/2008	6,872.00	6,804.00	68.00	NA	NA	1.25	6,870.75	NA
OW-10	5/21/2008	6,872.00	6,804.00	68.00	NA	NA	1.61	6,870.39	NA
OW-10	9/10/2008	6,872.00	6,804.00	68.00	NA	NA	1.59	6,870.41	NA
OW-10	11/3/2008	6,872.00	6,804.00	68.00	NA	NA	2.04	6,869.96	NA
OW-11	8/14/2008	6,923.89	6,857.27	66.62	NA	NA	20.91	6,902.98	NA
OW-12	8/18/2008	6,940.43	6,795.43	145*	NA	NA	49.05	6,891.38	NA
OW-13	8/18/2008	6,920.12	6,820.12	100.00	NA	NA	24.41	6,895.71	NA
OW-14	8/21/2008	6,926.64	6,881.64	45.00	NA	NA	27.13	6,899.51	NA

OW-29	8/19/2008	6,913.50	6,864.50	49.00	NA	NA	21.95	6,891.55	NA
OW-30	8/20/2008	6,921.60	6,873.20	48.40	NA	NA	26.34	6,895.26	NA
MW-1	8/4/2008	6,878.52	6,746.50	132.02	NA	NA	7.28	6,871.24	NA
MW-4	8/4/2008	6,882.54	6,760.40	122.14	NA	NA	7.95	6,874.59	NA
MW-5	8/14/2008	6,883.32	6,750.30	133.02	NA	NA	11.37	6,871.95	NA
RW-1	2/18/2008	6,943.50			30.18	4.59	34.77	6,908.73	6912.402
(OW-27)	5/21/2008	6,943.50			30.40	4.17	34.57	6,908.93	6912.266
	9/12/2008	6,943.50			30.03	4.56	34.59	6,908.91	6912.558
	11/3/2008	6,943.50			30.02	4.61	34.63	6,908.87	6912.558
RW-2	2/18/2008	6,927.20				NA	28.16	6,899.04	N/A
(OW-28)	5/21/2008	6,927.20				NA	27.22	6,899.98	N/A
	9/12/2008	6,927.20				NA	27.03	6,900.17	N/A
	11/3/2008	6,927.20				NA	27.10	6,900.10	N/A
RW-5	2/18/2008	6,942.50	6,902.50	40.00	33.1875	0.7604	33.9479	6,908.55	6909.16042
	5/21/2008	6,942.50	6,902.50	40.00	32.77	1.07	33.84	6,908.66	6909.516
	9/10/2008	6,942.50	6,902.50	40.00	32.62	0.23	32.85	6,909.65	6909.834
	11/3/2008	6,942.50	6,902.50	40.00	31.05	1.29	32.34	6,910.16	6911.192
RW-6	2/18/2008	6,972.60	6,933.80	38.80	33.4375	0.9165	34.354	6,938.25	6938.9792
	5/21/2008	6,972.60	6,933.80	38.80	33.02	1.1	34.12	6,938.48	6939.36
	9/10/2008	6,972.60	6,933.80	38.80	32.83	0.29	33.12	6,939.48	6939.712
	11/3/2008	6,972.60	6,933.80	38.80	32.46	0.23	32.69	6,939.91	6940.094
SMW-2	8/14/2008	6,884.44	6,827.10	57.34	NA	NA	25.89	6,858.55	N/A
SMW-4	8/13/2008	6,882.54	6,760.40	122.14	NA	NA	29.57	6,852.97	N/A
SMW-6		6,880.71	6,807.60	73.11				6,880.71	N/A
GWM-1	2/18/2008	6,912.65	6,888.95	23.70	NA	NA	19.91	6,892.74	N/A
	5/21/2008	6,912.65	6,888.95	23.70	NA	NA	19.47	6,893.18	N/A
	9/10/2008	6,912.65	6,888.95	23.70	NA	NA	20.24	6,892.41	N/A
	11/3/2008	6,912.65	6,888.95	23.70	NA	NA	20.55	6,892.10	N/A

GWM-2	2/18/2008	6,913.17	6,896.97	18.97	NA	NA	18.45	6,894.72	N/A
	3/17/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
	5/21/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
	9/10/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
	11/3/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
GWM-3	2/18/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
	5/21/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
	9/10/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
	11/3/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
NAPIS 1(KA-1R)	4/11/2008	6,918.43	6,904.40	14.00	NA	NA	8.58	6,909.85	N
	7/11/2008	6,918.43	6,904.40	14.00	NA	NA	8.98	6,909.45	N
	11/4/2008	6,918.43	6,904.40	14.00	NA	NA	8.83	6,909.60	N
NAPIS 2 (KA-2R)	4/11/2008	6,917.27	6,902.80	14.50	NA	NA	8.83	6,908.44	N
	7/11/2008	6,917.27	6,902.80	14.50	NA	NA	8.96	6,908.31	N
	11/4/2008	6,917.27	6,902.80	14.50	NA	NA	9.23	6,908.04	N
NAPIS 3 (KA-3R)	4/11/2008	6,917.31	6,886.60	30.70	NA	NA	14.98	6,902.33	N
	7/11/2008	6,917.31	6,886.60	30.70	NA	NA	9.72	6,907.59	N
	11/4/2008	6,917.31	6,886.60	30.70	NA	NA	8.71	6,908.60	N
KA-3	11/4/2008	6,917.17	6,892.40	25.00	NA	NA	9.01	6,908.16	N

NAPIS 1(KA-1R), NAPIS 2 (KA-2R), NAPIS 3 (KA-3R): NAPIS wells installed on 3/15/08. Quarterly monitoring began third quarter of 2008.

KA-3: Began sampling 4th Quarter 2008.

SPH = Separate Phase Hydrocarbons

NA = If no SPH was detected then this is shown on the table as NA (not applicable)

Corrected water table elevations are only provided if SPH was detected.

*OW-12: Annual inspection revealed well depth measurement to be 126 feet instead of 145 feet as listed.

4.2 Water table elevations versus time

Figures 19-21 show changes in groundwater elevation (corrected for RW-1 that has free product) at wells RW-1, GWM-1, and NAPIS-1, 2, and 3.

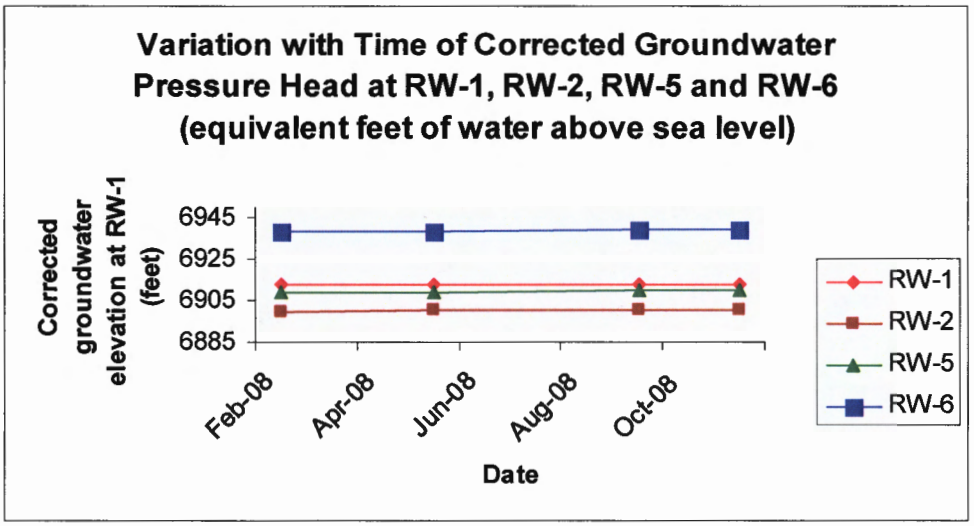


Figure 19: Variation with time of corrected groundwater elevation at RW-1

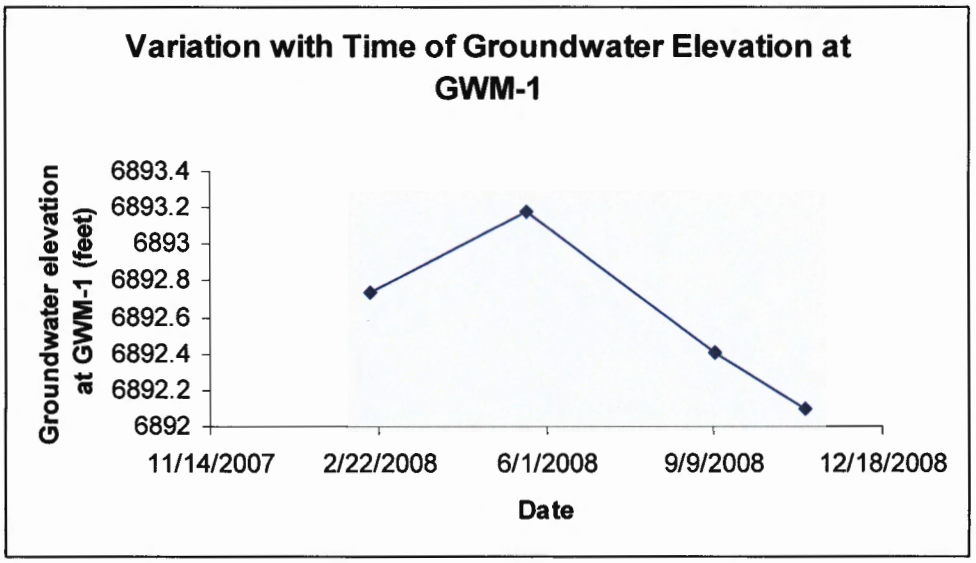


Figure 20: Variation with time of groundwater elevation at GWM-1

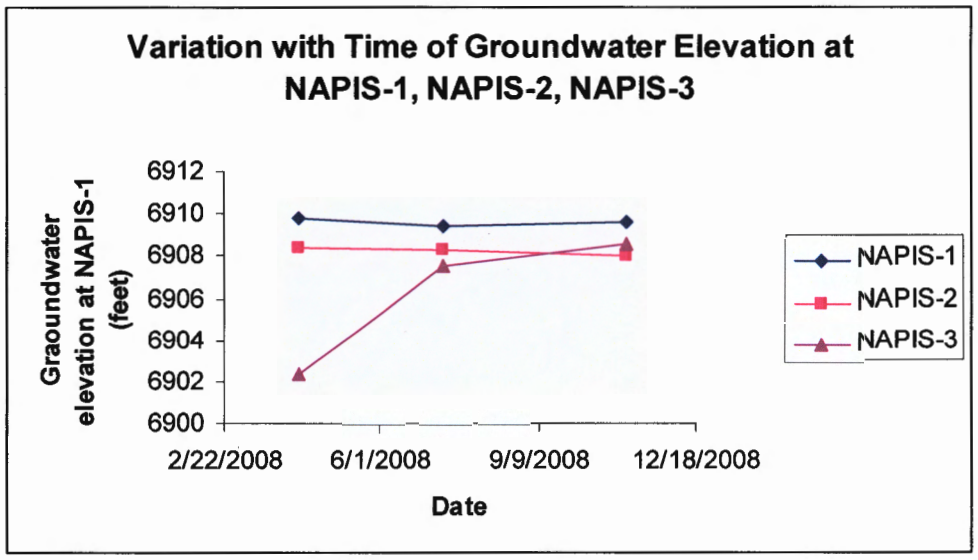


Figure 21: Variation with time of groundwater elevation at NAPIS-1, 2, and 3

4.3 Annual product thickness and iso-concentration contours

Figure 22 depicts the variation of product thickness at RW-1, RW-5, and RW-6.

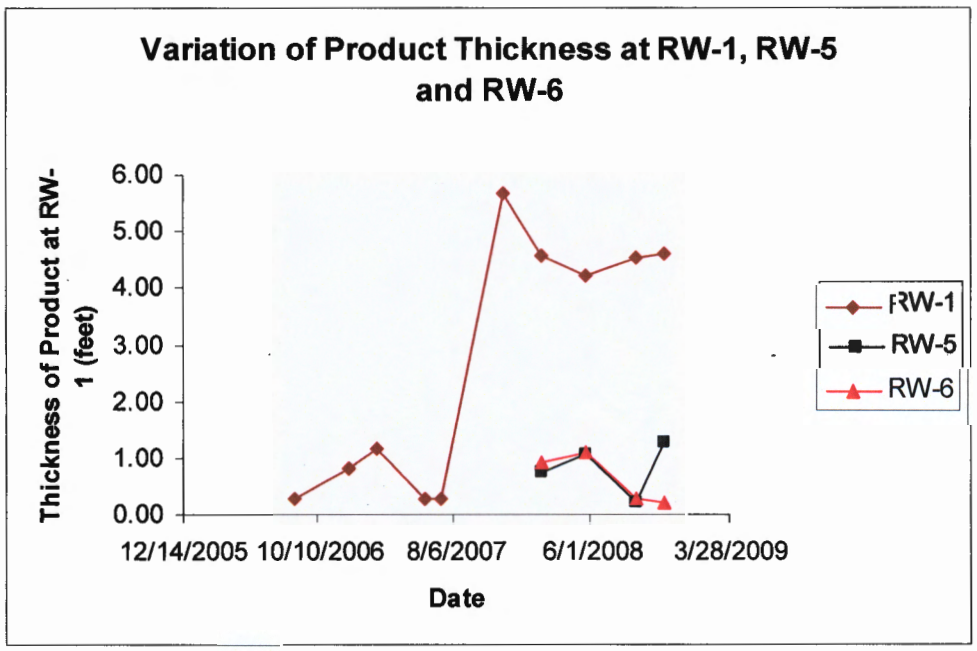
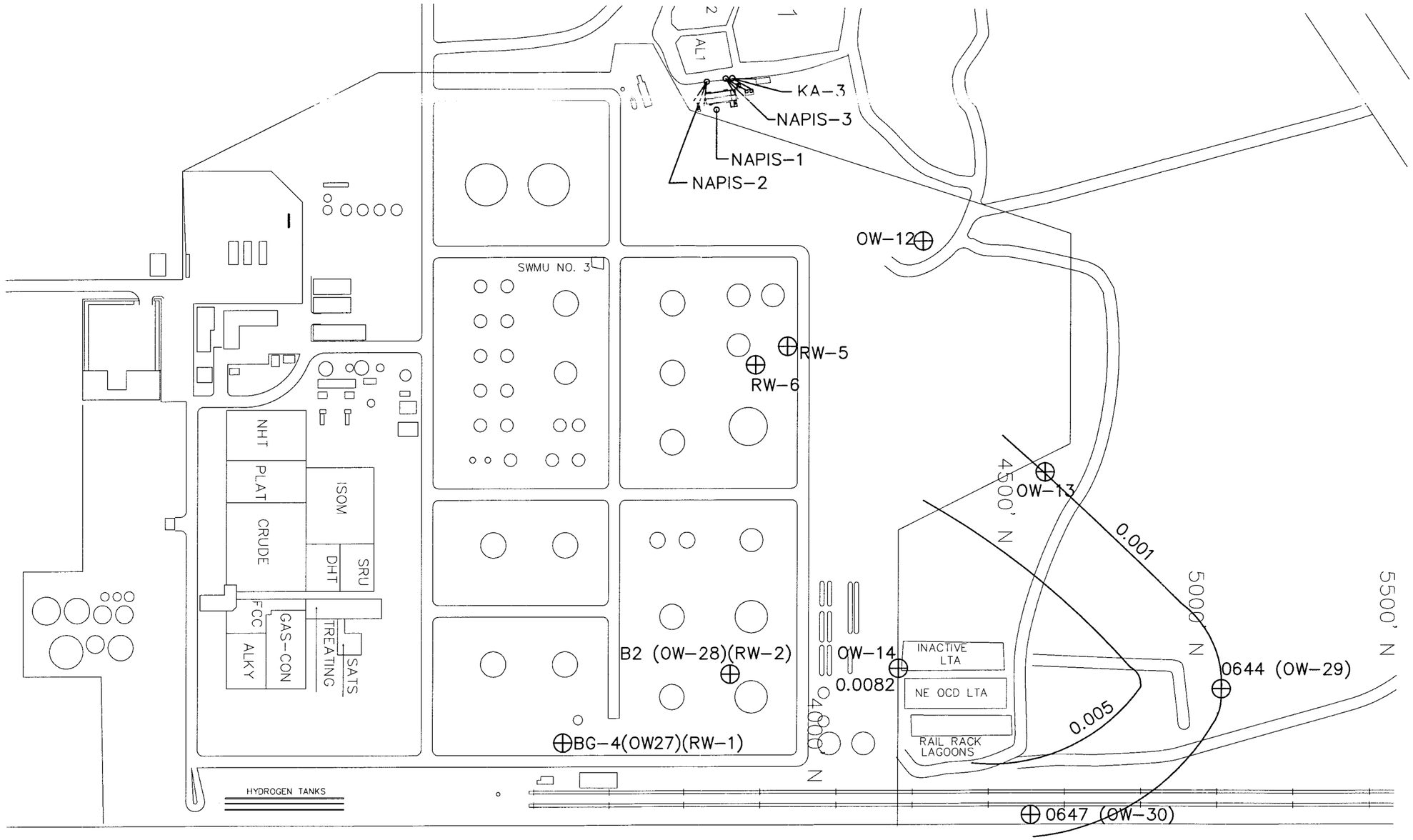


Figure 22: Variation of product thickness at RW-1 with time

Figure 23 depicts equal concentration contour maps for benzene around wells OW-14, OW-30, OW-29, and OW-13.

Figure 23: Equal concentration contour maps for benzene around wells OW-14, OW-30, OW-29, and OW-13.



File 06-054

Figure 23

Benzene Iso Concentration Contours

Western Refinery, - Gallup Refinery
Interstate 40, Exit 39
Jamestown, New Mexico 87347
Date: August 22, 2007

DWG NO.

REV

4.4 Volume of product recovered

Table 32 presents data on volume of product recovered from well RW-1.

Table 32: Volume of product recovered in 2008 from RW-1

Date of measurement	Time	Quarter	Well #	Depth to Product (feet)	Depth to Water (feet)	Product Level Thickness (feet)	Volume of Product Bailed (gallons)
38405	1532	1st.	**RW-1**	30.178	34.7708	0	1.66
39589	1410	2nd	**RW-1**	30.33	34.57	0	1.39
39703	1430	3rd	**RW-1**	30.03	34.59	0	NOT BAILED
39765	1300	4TH	**RW-1**	30.02	34.63	0	0.94

The total volume of product recovered is – **3.99 gallons**.

5.0 Conclusions and Recommendations

In this section, we present our major overall conclusions and recommendations; and then discuss the findings for groundwater monitoring wells individually or in similar groups.

5.1 Overall conclusions

On the East side, in the north-east corner of the active refinery perimeter (but not the refinery property as a whole) a plume of Methyl-Tert Butyl Ether (MTBE) is known to exist in shallow groundwater within refinery property. This groundwater enters the refinery from the east, and then moves slowly north-west into the Facility property. In three wells, OW-14, OW-29, and OW-30, the MTBE is in the range of 0.05 to 1.3 ppm and at levels that exceed the RRSL (0.012 ppm). In this area volatile hydrocarbons have also been detected in shallow groundwater and benzene (in OW-14 at a level of 0.074 ppm) is at a level that exceeds NMWQS for drinking water (0.005 ppm). There are downgradient wells that have not yet shown more than trace levels of benzene, that is, close to the levels of detection of analytical methods. These wells are within a few hundred feet of OW-14, the well at which benzene has been detected at levels above NMWQS. Therefore, benzene in the groundwater in this region is expected to move approximately 10 feet per year – this is apparent from noting the time it has taken for trace levels to be detected downgradient. The nearest drinking water well in the direction of contaminant movement is probably more than 10,000 feet away and more than 3000 feet deep – while contamination is at shallow depths of 30-50 feet. Within the perimeter of the active refinery in this north-east section, there are also several shallow recovery wells from which separate-phase hydrocarbons have been recovered and still continue to be recovered, of the order of 4 gallons total in 2008.

On the West side, there are shallow groundwater issues likely stemming from the wastewater treatment system of the refinery that consists of aeration lagoons and a series of large evaporation ponds. Immediately downgradient (within 10 feet) of the refinery's oil/water separator, a sample from a shallow groundwater monitoring well (NAPIS-2) had MTBE at a level (0.32 ppm) greater than the RRSL (0.012 ppm), a few hydrocarbons above detection levels, and benzene above the NMWQS (0.91 ppm > 0.005 ppm). Downgradient of the two aeration lagoons, a shallow monitoring well, GWM-1, has also detected benzene above NMWQS, and other hydrocarbons at detectable levels. Some of these include several polycyclic aromatic hydrocarbons (PAHs), which though generally below any regulatory standards, are of concern as they are long-lived and could possibly impact deeper aquifers. Some of these wells have also shown levels of chlorides and sulfates above NMWQS and/or MCL. Elevated levels of arsenic and manganese have also been detected in GWM-1 above the NMWQS.

In this report, we also present data on our aeration lagoons, ponds and outfalls between the lagoons and ponds. We collect these data as a part of our permit GW-032. Groundwater standards do not apply to these surface water bodies. However, these data are of great value in determining compliance with various provisions of the State of New Mexico as well as the EPA regarding hazardous waste treatment. None of the aeration

lagoons or ponds has benzene levels greater than 0.5 ppm. (Appendix D presents information on a RCRA-driven sampling activity that studied benzene levels entering Aeration Lagoon 1, in which benzene levels greater than 0.5 ppm were found. However, these levels had fallen to well below 0.5 ppm, before the wastewater left Aeration Lagoon 1, as can be seen by our sampling data.) These data on our surface water treatment ponds also help us understand if the ponds are affecting groundwater. It should be noted that the aeration lagoons and ponds do contain volatile and semi-volatile organic compounds, some of which are also found in shallow wells (GWM-1, and SWM-2).

Finally, there are a series of boundary (BW), observation (OW), monitoring (MW) and shallow monitoring (SWM) wells in the western portions of the facility that are meant to detect any off-site movement of contaminants and also releases to groundwater. One of the OW wells has shown detectable levels of uranium, in one case above NMWQS. Uranium is ubiquitous in groundwater of New Mexico, and the location of this one well (OW-11) makes it unlikely that the uranium should be linked to refinery activity – OW-11 is located so that it is mainly affected by off-refinery groundwater, and also groundwater that is linked to movement through rock.

Among the wells on the far west side are three deep drinking water wells, PW-3, PW-2, and PW-4 – none of these has ever been known to have any contamination at any detectable level. In one event in 2007, we found a semi-volatile hydrocarbon in PW-3, sampled again and found that it was non-detectable – we will continue to monitor this well, and believe the one anomalous reading was a laboratory artifact. Among MW and SWM monitoring wells in the west side, a few have shown traces of hydrocarbons. SMW-2 has shown a level of 1,4-Dioxane at 0.0136 ppm which is greater than the RRSL of 0.0061 ppm. All of the BW wells have shown that no contaminants are leaving the refinery's property.

5.2 Overall recommendations

- Continue monitoring as specified in the current Facility-wide Groundwater Monitoring Plan
- Develop a subsurface hydrogeological map of the refinery
- Collect samples of incoming shallow groundwater at the northern edges of the refinery and sample for metals – this may help establish what metals, if any, are possibly linked to the refinery
- Recognizing that the MTBE and benzene plume in the north-east region is moving towards the north-west, and may have passed by existing wells, establish two new monitoring wells north and west of OW-29 at the Chinle/alluvium interface.

5.3 Conclusions and recommendation on individual wells

5.3.1 Wells with hydrocarbon contamination above standards

OW-14, OW-30, OW-29, OW13

These wells have shown levels of benzene and MTBE, plus OW-14 has shown some VOCs. They were sampled between 8/19/08-8/21/08, and 11/12/08-11/14/08. They are being sampled quarterly starting from the third quarter of 2008. They are sampled for VOCs, BTEX, and MTBE. Figure 24 depicts the situation at these wells.

Among these wells, benzene is only found in OW-14. In the last two quarters of 2008, benzene in OW-14 went up from 0.0035 ppm to 0.0082 ppm, which exceeds the MCL of 0.005 ppm. In the third and fourth quarters, we also found some VOCs in OW-14: 1-methylnapthalene, isopropylbenzene, Sec-butylbenzene, and 1, 2 dichloroethane (only in the fourth quarter). Of these, 1-methylnapthalene (0.012, 0.016), and 1, 2 dichloroethane (0.0018) were at levels greater than the RRSLs of 0.0023 ppm, and 0.00015 ppm respectively.

In the last two quarters of 2008, respectively, MTBE went up, then down in OW-14 (1.3 ppm, 0.91 ppm) and OW-30 (1.1 ppm, 0.88 ppm). MTBE went up in OW-29 (0.0092 ppm, 0.015). These levels are greater than the RRSL of 0.012 ppm. Similarly, MTBE went up in OW-13 (<0.001 ppm, 0.0016 ppm).

Recommendation:

Continue sampling as per current facility-wide groundwater monitoring plan. Drill two new wells to the north-west of OW-29, to better 65-determine the extent of contamination.

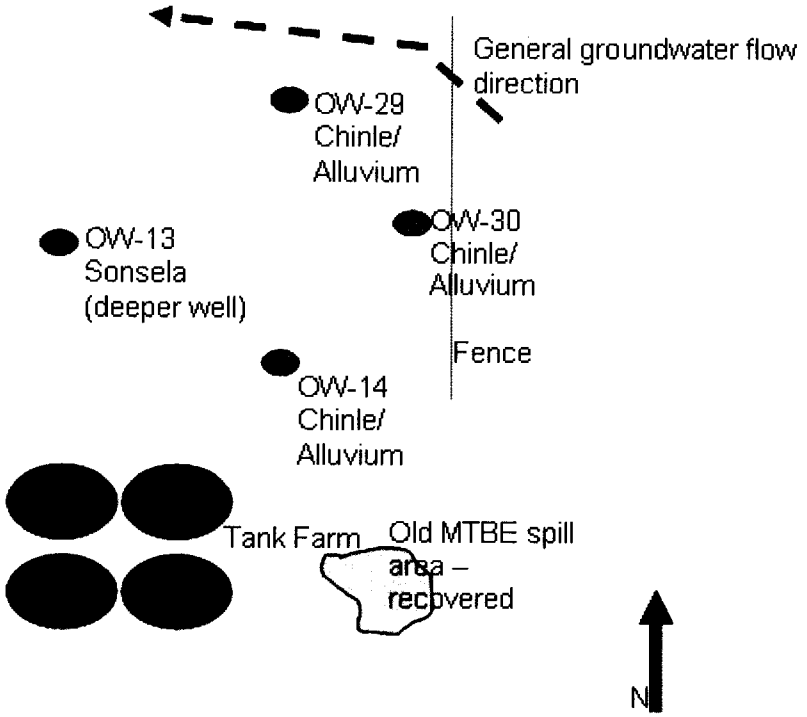


Figure 24: General location and situation around OW-14, OW-30, OW-29, and OW-13

GWM-1 and GWM-2

GWM-1 well was sampled on 7/10/08. It has a level of benzene (0.011 ppm) that exceeds the EPA's MCL of 0.005 ppm, and the NMWQS of 0.01 ppm. MTBE in this well is at 0.12 ppm, which exceeds the RRSL of 0.012 ppm. We have also detected VOCs (1, 2, 4 trimethylbenzene), and SVOCs (2, 4 dimethylphenol, and phenol) – but these are at levels below the NMWQS, MCLs, and RRSLs. This well also has chlorides at a level of 1800 ppm that is greater than the NMWQS drinking water standard of 250 ppm. In February 2008, GWM-2 was found to contain water, and this well was also sampled. GWM-2 had non-detectable levels of hydrocarbon contaminants, except for MTBE which was above the RRSL.

This well is downgradient of the two aeration lagoons, and the levels detected appear to be stemming from their waters. We plan to close the aeration lagoons and permanently remove this potential source. At that time, we will also close GWM-1.

Recommendation:
Continue sampling as per current facility-wide groundwater monitoring plan. Monitor water levels quarterly, and collect annual samples for VOCs, SVOCs, and BTEX plus MTBE. Monitor presence of water in GWM-2 and sample if sufficient quantity available.

SMW-2, SMW-4

These wells are located downgradient of a closed Land Treatment Unit. In SMW-2 we have detected levels of acetone (0.00753 ppm), diethylphtalate (0.000057 ppm), and 1, 4 dioxane (0.0136 ppm). The level of 1, 4 dioxane is greater than the RRSL of 0.0061 ppm. In SMW-4, we have detected levels of diethylphtalate (0.0005 ppm), and phenol (0.00113 ppm). These levels are below the NMWQS, MCLs, and RRSLs.

In 2009, we will be doing soil sampling below the Land Treatment Unit in the vadose zone. Based on these results and if we detect contaminants migrating into the subsurface, we will evaluate the existing annual frequency of monitoring SMW-2 and SMW-4.

Recommendation:
Continue sampling as per current facility-wide groundwater monitoring plan. Based on results of soil tests for possible migration of contaminants into the subsurface, evaluate monitoring frequency.

NAPIS-1, NAPIS-2, NAPIS-3, KA-3

These shallow wells are located around the NAPIS. NAPIS-1 is an upgradient well on the south and east side of the NAPIS. NAPIS-2 is located immediately downgradient on the south and west side of the NAPIS. KA-3 and NAPIS3 are located on the west side at the north end.

NAPIS-1 has no detectable levels of contaminants. NAPIS-2 has shown elevated levels of benzene (dropping over the year from 0.91 ppm to 0.025 ppm, yet above the MCL of 0.005 ppm) and MTBE (dropping over the year from 0.32 ppm to 0.18 ppm, above the RRSL of 0.012 ppm). No contaminants have been detected in NAPIS-3. KA-3 has shown elevated levels of MTBE at 0.13 ppm.

In the third quarter of 2008, NAPIS-3 did not have enough water to collect a sufficient quantity. KA-3 well was then added to the sampling schedule.

Recommendation:
Continue sampling as per current facility-wide groundwater monitoring plan.

5.3.2 Wells without hydrocarbon contamination[12]

OW-11

A grab sample from OW-11 was taken on August 14, 2008. No metals or volatiles were found at levels exceeding applicable MCLs, NM ground water, and NM TPH screening levels. In 2008, the general chemistry results showed that fluoride (2.2 mg/l) and sulfate (940 mg/l) were present at levels greater than the NMWQS for fluoride (1.6 mg/l) and sulfate (600 mg/l).

Recommendation:
Continue sampling as per current facility-wide groundwater monitoring plan.

OW-12

OW-12 was sampled on August 19, 2007 and analyzed for VOCs and SVOCs. The laboratory analyses showed all parameters at non-detectable levels.

Recommendation:
Continue sampling as per current facility-wide groundwater monitoring plan..

BW-1A, BW-1B, BW-3A

BW-1A, BW-1B, and BW-3A are dry wells and therefore were not sampled in 2008.

Recommendation:
Continue sampling as per current facility-wide groundwater monitoring plan
The Gallup Refinery will continue to visually inspect BW-1A and BW-1B annually for any liquids. If liquids are observed, then sampling will occur. All samples will be analyzed for VOC, SVOC, BTEX, MTBE, Metals, and General Chemistry.

BW-1C, BW-2B, BW-2C. BW-3B, BW-3C

BW-1C was sampled on July 31, 2008; BW-2B, BW-2C, BW-3B and BW-3C were sampled on July 30, 2008. The samples were analyzed for VOC, SVOC, BTEX, MTBE, WQCC metals, and

[12] These wells may have other contaminants present at levels greater than applicable standards, such as sulfates.

General Chemistry. Laboratory analysis showed concentrations less than (all non-detect) all applicable standards for benzene, toluene, ethylbenzene, xylene, and MTBE. However, laboratory results showed that fluorides and sulfates were greater than the NMWQS (1.6 ppm, and 250 ppm respectively) for these wells, except that BW-3B had levels of fluorides below the NMWQS.

Recommendation:
Continue sampling as per current facility-wide groundwater monitoring plan..

PW-2, PW-3, PW-4

PW-3 was sampled in 2007. All parameters were less than the applicable standards and MCLs, except for 2-Methylnapthalene which was found at 0.032 mg/l to be greater than the NMWQS of 0.03 mg/l. This well was not scheduled for 2008. However, we collected a sample from this well, as well as a blind duplicate. No detectable 2-Methylnapthalene was found in either of these two samples. PW-2 and PW-4 were scheduled for 2008 and did not show any levels above applicable standards and no hydrocarbons were detected.

Recommendation:
Monitor PW-3 again in 2010; and then revert to the alternate year cycle for PW-2 and PW-4 (to be sampled in 2011), and PW-3 in 2012. Continue sampling as per current facility-wide groundwater monitoring plan..

OW-1 and OW-10

These wells are being visually checked on a quarterly basis starting the 4th quarter of 2004. In 2008, OW-1 was checked on 2/18/2008, 5/21/2008, 9/15/2008, and 11/3/2008. In 2008, OW-10 was checked on 2/18/2008, 5/21/2008, 9/10/2008, and 11/3/2008.

Recommendation:
The Gallup Refinery will continue to visually inspect OW-1 and OW-10 for artesian flow quarterly

MW-1, MW-4, MW-5

MW-1 was sampled on August 8, 2008. MW-4 was sampled on August 5, 2008. MW-5 was sampled on August 13, 2008. MW-4 showed a trace level of Bis (2-ethylhexl) pthlate at 0.000679 ppm, well below any applicable standards. MW-5 had a pH at 9.02 above the NMWQS limit of 6-9.

Recommendation
The Gallup Refinery will sample MW-1, MW-4, and MW-5 annually according to the Facility Site-wide Groundwater Monitoring Plan.

Ponds 1 through 8

Ponds 1 through 8 were sampled quarterly on 3/11/08, 6/17/08, 9/9/08, and 12/2/08. For Ponds 1 and 2, the locations were a significant distance away from the inlets that were sampled as a separate activity. The results for benzene showed no levels above the hazardous waste characteristic of 0.5 ppm. There were volatiles and semi-volatiles contaminants found that are seen to degrade as one progresses along the series of ponds from 1-8.

Recommendation
Western Refining will continue to monitor Ponds 1 through 8 on an annual basis for select General Chemistry parameters, VOCs, SVOCs, and WQCC metals.

Inlets to Pond #1, Pond #2, AL-2 to Pond 1, Boiler water to EP-2, NAPIS effluent, Pilot effluent

These outfalls were sampled annually and quarterly according to the Facility Site-wide Groundwater Monitoring Plan. No benzene levels above 0.5 ppm were found. What is of concern is that effluents entering EP1 had levels of DRO and GRO of approximately 24-160 ppm. This is of concern as the Gallup Refinery has a requirement to ensure no oil to EP-1 which would translate into levels less than 15 ppm – the levels at which a sheen of oil can be discerned. The Gallup Refinery is upgrading its wastewater treatment system to ensure that no oil gets to EP-1.

Recommendation
The Gallup Refinery will continue to monitor these various outfalls on an annual and quarterly basis for select General Chemistry parameters, VOCs, SVOCs, DRO, GRO and WQCC metals. After the wastewater treatment system's upgrades are completed, continue monitoring quarterly for one more year, after which the sampling frequencies could be reevaluated.

Inlets to AL-1 and AL-2

These outfalls were sampled monthly for COD, BOD and SVOCs (Phenols). In most cases, phenols were reduced in concentration from AL-1 to AL-2 and then to EP-1. However, in October 2008, the reverse trend was observed. This may be

Recommendation
The Gallup Refinery will continue to monitor these various outfalls on a monthly basis for COD, BOD and SVOCs (Phenols). After the aeration lagoons are closed, these samples will be discontinued.

TO VIEW THE MAP AND/OR MAPS WITH THIS DOCUMENT, PLEASE CALL THE HAZARDOUS WASTE BUREAU AT 505-476-6000 TO MAKE AN APPOINTMENT

Binder 2

Annual Groundwater Monitoring Report: Gallup Refinery - 2008

Western Refining
Gallup, New Mexico

August 2009

Prepared by:

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Environmental Engineer

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Certified by:

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Refinery Manager

Summary of Separated Phase Hydrocarbons Recovered

APPENDIX A

Data on recovery of free product from RW-1

WESTERN REFINERY - GALLUP REFINERY

RW-1 HYDROCARBON RECOVERY LOG

2/22/05 TO 12/26/09

Date of measurement	Time	Quarter	Well #	Depth to Product (feet)	Depth to Water (feet)	Product Level Thickness (feet)	Volume of Product Bailed/ Pumped (gallons)	Water Gallons
2/22/2005	0830	1st.	RW-1	32'-5 1/2"	36'-6"	4'-0 1/2"	14	
3/2/2005	0745	1st.	RW-1	32'-5"	36'-5 1/4"	4'-0 1/4"	9	
3/8/2005	0830	1st.	RW-1	31'-11"	36'-4 1/4"	4'-5 1/4"	15	
3/9/2005	0830	1st.	RW-1	31'-11"	37'-6"	5'-7"	4	
3/11 to 3/18/05		1st.	RW-1	Started Pumping Well on 3/11/05			74	
3/18 to 3/23/05		1st.	RW-1	Continue Pumping			48	
3/23 to 4/1/05		1st.	RW-1	Continue Pumping			62	
4/1 To 4/4/05		2nd	RW-1	Pump shut down to measure well			27	
4/5/2005	11:30Hrs	2nd	RW-1	34'-9"	38'-11"	4'-2"		
4/4 TO 4/15/05	11:00Hrs	2nd	RW-1	Continue Pumping			50	
4-15 to 5-5-05	1230 Hrs	2nd	RW-1	Continue Pumping			45	154
5-5 to 6-17-05	1130 Hrs	2nd	RW-1	Continue Pumping			24	196
6/27/2005	1400 Hrs	2nd	RW-1	Pump shut down to measure well				
6/28/2005	1100 Hrs	2nd	RW-1	32' 5 1/2"	33' 3"	0' 9 1/2"		
6/28/2005		2nd	RW-1	Continue Pumping				
6/17 to 7/8/2005	1030 Hrs	2nd	RW-1	Continue Pumping			18	146

7/8 to 8/9/2005	1330 Hrs	3rd	RW-1	Continue Pumping			28	350
8/9 to 9/16/2005	1135 Hrs	3rd	RW-1	36'- 5 1/2"	36' - 6 1/2"	0' - 1"	8	240
12/5/2005	1315 Hrs	4th	RW-1	31'-11"	34'-8 1/2"	2'-9 1/2"		
12/8/2005	1400 Hrs	4th	RW-1	Start Pumping				
12/22/2005	1530 Hrs	4th	RW-1	Pulled Pump			5	120
12/29/2005	1400 Hrs	4th	RW-1	Hand Bailed			0.5	4.5
3/16/2006	1300 Hrs.	1st.	RW-1	32'-2 3/4"	34'-5 3/4"	2'-3"		
3/16/2006	1430 Hrs.	1st.	RW-1	Start Pumping				
3/23/2006	1430 Hrs.	1st.	RW-1	Shut Off Pump				
3/27/2006	1530 Hrs.	1st.	RW-1	Start Pumping				
3/31/2006	1130 Hrs.	1st.	RW-1	Continue Pumping			7	174
4/3/2006	1130 Hrs.	2nd	RW-1	Stopped Pumping			1	38
4/4/2006	1100 Hrs.	2nd	RW-1	32'-9"	33'-1"	0'-4"		
6/6/2006	1300 Hrs.	2nd	RW-1	32'-4 3/4"	34'-6 1/2"	2'-1 3/4"		
6/8/2006	1500 Hrs.	2nd	RW-1	Start Pumping (Intermittingly)				
6/29/2006	1000 Hrs.	2nd	RW-1	Stopped Pumping			8	365
7/31/2006	1145 Hrs	3rd	RW-1	33'-0 3/4"	33'-5 3/4"	0'-5"		
7/31/2006	1145 Hrs	3rd	RW-1	Start Pumping				
8/3/2006	1420 Hrs	3rd	RW-1	Stopped Pumping			2	87
8/8/2006	0900 Hrs.	3rd	RW-1	Start Pumping				
8/10/2006	1530 HRS	3rd	RW-1	Start pumping				
8/22/2006	0900 Hrs.	3rd	RW-1	Pulled pump			4.9	373
8/22/2006	0945 HRS	3rd	RW-1	33.10	33.40	0.30		
12/21/2006	1555	4th	RW-1	35.20	36.00	0.80	0.62	70
2/21/2007	1015	1st.	RW-1	33.42	34.60	1.18	0.63	53.5
6/5/2007	1000	2nd	RW-1	32.42	32.71	0.29		

6/5/2007	1010			Hand Bailed			0.05	9
6/6/2007	840			Hand Bailed			0.1	11
6/13/2007	1400			Hand Bailed			0.1	12
6/14/2007	1040			Hand Bailed			0.05	8
7/10/2007	1008	3rd	**RW-1**	32.42	32.71	0.29	0.3	18
7/11/2007	925	3rd	**RW-1**	Hand Bailed			0.21	12.5
7/23/2007	1000	3RD	**RW-1**	Hand Bailed			0.10	5.5
11/26/2007	1050	4th	**RW-1**	30.76	36.45	5.69	0.18	37
2/18/2008	1532	1st.	**RW-1**	30.18	34.77	4.59	1.66	36
5/21/2008	1410	2nd	**RW-1**	30.33	34.57	4.24	1.39	51
9/12/2008	1430	3rd	**RW-1**	30.03	34.59	4.56	NOT BAILED	
11/13/2008	1300	4TH	**RW-1**	30.02	34.63	4.61	0.94	65
2/11/2009	1405	1st.	**RW-1**	30.21	31.72	1.51	0.29	90
5/5/2009	1130	2nd	**RW-1**	30.22	30.8	0.58	0.41	76
					Total Gallons		**459.78**	**2571**

Applicable Standards

APPENDIX B
Listing of Applicable Standards

New Mexico Water Quality Control Commission Ground Water Standards

A. Human Health Standards - Ground water shall meet the standards of Section A and B unless otherwise provided. If more than one water contaminant affecting human health is present, the toxic pollutant criteria of WQCC Section 1-101.UU. for the combination of contaminants, or the Human Health Standard of WQCC Section 3-103.A. for each contaminant shall apply, whichever is more stringent.

Arsenic (As) 0.1 mg/l
Barium (Ba) 1.0 mg/l
Cadmium (Cd) 0.01 mg/l
Chromium (Cr) 0.05 mg/l
Cyanide (CN) 0.2 mg/l
Fluoride (F) 1.6 mg/l
Lead (Pb) 0.05 mg/l
Total Mercury (Hg) 0.002 mg/l
Nitrate (NO3 as N) 10.0 mg/l
Selenium (Se) 0.05 mg/l
Silver (Ag) 0.05 mg/l
Uranium (U) 5.0 mg/l
Radioactivity: Combined
Radium-226 & Radium-228 30.0 pCi/l
Benzene 0.01 mg/l
Polychlorinated biphenyls (PCB's) 0.001 mg/l
Toluene 0.75 mg/l
Carbon Tetrachloride 0.01 mg/l
1,2-Dichloroethane (EDC) 0.01 mg/l
1,1-Dichloroethylene (1, 1-DCE) 0.005 mg/l
1, 1,2,2-tetrachloroethylene (PCE) 0.02 mg/l
1, 1,2-trichloroethylene (TCE) 0.1 mg/l
Ethylbenzene 0.75 mg/l
Total xylenes 0.62 mg/l
Methylene chloride 0.1 mg/l
Chloroform 0.1 mg/l
1, 1 -dichloroethane 0.025 mg/l
Ethylene dibromide (EDB) 0.0001 mg/l
1, 1, 1 -trichloroethane 0.06 mg/l
1, 1,2-trichloroethane 0.01 mg/l
1, 1,2,2-tetrachloroethane 0.01 mg/l
vinyl chloride 0.001 mg/l
PAH'S: total naphthalene plus Monomethylnaphthalenes 0.03 mg/l
Benzo-a-pyrene 0.0007 mg/l

B. Other Standards for Domestic Water Supply

Chloride (Cl) 250. mg/l
Copper (Cu) 1.0 mg/l
Iron (Fe) 1.0 mg/l
Manganese (Mn) 0.2 mg/l
Phenols 0.005 mg/l
Sulfate (SO4) 600. mg/l
Total Dissolved Solids (TDS) 1000. mg/l
Zinc (Zn) 10. mg/l
pH between 6 and 9

C. Standards for Irrigation Use

Ground water shall meet the standards of subsections A, B, and C unless otherwise provided.

Aluminum (Al) 5.0 mg/l
Boron (B) 0.75 mg/l
Cobalt (Co) 0.05 mg/l
Molybdenum (Mo) 1.0 mg/l
Nickel (Ni) 0.2 mg/l

EPA National Primary and Secondary Drinking Water Standards (Maximum Contaminant Levels)

Microorganisms

Contaminant	MCLG[1] (mg/L)[2]	MCL or TT[1] (mg/L)[2]	Potential Health Effects from Ingestion of Water	Sources of Contaminant in Drinking Water
Cryptosporidium (pdf file)	zero	TT [3]	Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste
Giardia lamblia	zero	TT[3]	Gastrointestinal illness (e.g.,	Human and animal

			diarrhea, vomiting, cramps)	fecal waste
Heterotrophic plate count	n/a	TT[3]	HPC has no health effects; it is an analytic method used to measure the variety of bacteria that are common in water. The lower the concentration of bacteria in drinking water, the better maintained the water system is.	HPC measures a range of bacteria that are naturally present in the environment
Legionella	zero	TT[3]	Legionnaire's Disease, a type of pneumonia	Found naturally in water; multiplies in heating systems
Total Coliforms (including fecal coliform and *E. Coli*)	zero	5.0%[4]	Not a health threat in itself; it is used to indicate whether other potentially harmful bacteria may be present[5]	Coliforms are naturally present in the environment; as well as feces; fecal coliforms and *E. coli* only come from human and animal fecal waste.
Turbidity	n/a	TT[3]	Turbidity is a measure of the cloudiness of water. It is used to indicate water quality and filtration effectiveness (e.g., whether disease-causing organisms are present). Higher turbidity levels are often associated with higher levels of disease-causing microorganisms such as viruses, parasites and some	Soil runoff

			bacteria. These organisms can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.	
Viruses (enteric)	zero	TT[3]	Gastrointestinal illness (e.g., diarrhea, vomiting, cramps)	Human and animal fecal waste

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Disinfection Byproducts

Contaminant	MCLG[1] (mg/L)[2]	MCL or TT[1] (mg/L)[2]	Potential Health Effects from Ingestion of Water	Sources of Contaminant in Drinking Water
Bromate	zero	0.010	Increased risk of cancer	Byproduct of drinking water disinfection
Chlorite	0.8	1.0	Anemia; infants & young children: nervous system effects	Byproduct of drinking water disinfection
Haloacetic acids (HAA5)	n/a[6]	0.060[7]	Increased risk of cancer	Byproduct of drinking water disinfection
Total Trihalomethanes (TTHMs)	n/a[6]	0.080[7]	Liver, kidney or central nervous system problems; increased risk of cancer	Byproduct of drinking water disinfection

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Disinfectants

Contaminant	MRDLG[1] (mg/L)[2]	MRDL[1] (mg/L)[2]	Potential Health Effects from Ingestion of Water	Sources of Contaminant in Drinking Water
Chloramines (as Cl_2)	MRDLG=4[1]	MRDL=4.0[1]	Eye/nose irritation; stomach discomfort, anemia	Water additive used to control microbes
Chlorine (as Cl_2)	MRDLG=4[1]	MRDL=4.0[1]	Eye/nose irritation; stomach discomfort	Water additive used to control microbes
Chlorine dioxide (as ClO_2)	MRDLG=0.8[1]	MRDL=0.8[1]	Anemia; infants & young children: nervous system effects	Water additive used to control microbes

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Inorganic Chemicals

Contaminant	MCLG[1] (mg/L)[2]	MCL or TT[1] (mg/L)[2]	Potential Health Effects from Ingestion of Water	Sources of Contaminant in Drinking Water
Antimony	0.006	0.006	Increase in blood cholesterol; decrease in blood sugar	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic	0[7]	0.010 as of 01/23/06	Skin damage or problems with circulatory systems, and may have increased	Erosion of natural deposits; runoff from orchards, runoff from glass &

			risk of getting cancer	electronicsproduction wastes
Asbestos (fiber >10 micrometers)	7 million fibers per liter	7 MFL	Increased risk of developing benign intestinal polyps	Decay of asbestos cement in water mains; erosion of natural deposits
Barium	2	2	Increase in blood pressure	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium	0.004	0.004	Intestinal lesions	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium	0.005	0.005	Kidney damage	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
Chromium (total)	0.1	0.1	Allergic dermatitis	Discharge from steel and pulp mills; erosion of natural deposits
Copper	1.3	TT[8]; Action	Short term exposure:	Corrosion of household

		Level=1.3	Gastrointestinal distress Long term exposure: Liver or kidney damage People with Wilson's Disease should consult their personal doctor if the amount of copper in their water exceeds the action level	plumbing systems; erosion of natural deposits
Cyanide (as free cyanide)	0.2	0.2	. Nerve damage or thyroid problems	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Fluoride	4.0	4.0	Bone disease (pain and tenderness of the bones); Children may get mottled teeth	Water additive which promotes strong teeth; erosion of natural deposits; discharge from fertilizer and aluminum factories
Lead	zero	TT[8]; Action Level=0.015	Infants and children: Delays in physical or mental development; children could show slight deficits in attention span and learning abilities Adults: Kidney problems; high blood pressure	Corrosion of household plumbing systems; erosion of natural deposits

Mercury (inorganic)	0.002	0.002	Kidney damage	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills and croplands
Nitrate (measured as Nitrogen)	10	10	Infants below the age of six months who drink water containing nitrate in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrite (measured as Nitrogen)	1	1	Infants below the age of six months who drink water containing nitrite in excess of the MCL could become seriously ill and, if untreated, may die. Symptoms include shortness of breath and blue-baby syndrome.	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	0.05	0.05	Hair or fingernail loss; numbness in fingers or toes; circulatory problems	Discharge from petroleum refineries; erosion of natural deposits; discharge from mines

Thallium	0.0005	0.002	Hair loss; changes in blood; kidney, intestine, or liver problems	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

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Organic Chemicals

Contaminant	MCLG[1] (mg/L)[2]	MCL or TT[1] (mg/L)[2]	Potential Health Effects from Ingestion of Water	Sources of Contaminant in Drinking Water
Acrylamide	zero	TT[9]	Nervous system or blood problems; increased risk of cancer	Added to water during sewage/wastewater treatment
Alachlor	zero	0.002	Eye, liver, kidney or spleen problems; anemia; increased risk of cancer	Runoff from herbicide used on row crops
Atrazine	0.003	0.003	Cardiovascular system or reproductive problems	Runoff from herbicide used on row crops
Benzene	zero	0.005	Anemia; decrease in blood platelets; increased risk of	Discharge from factories; leaching from gas storage

			cancer	tanks and landfills
Benzo(a)pyrene (PAHs)	zero	0.0002	Reproductive difficulties; increased risk of cancer	Leaching from linings of water storage tanks and distribution lines
Carbofuran	0.04	0.04	Problems with blood, nervous system, or reproductive system	Leaching of soil fumigant used on rice and alfalfa
Carbon tetrachloride	zero	0.005	Liver problems; increased risk of cancer	Discharge from chemical plants and other industrial activities
Chlordane	zero	0.002	Liver or nervous system problems; increased risk of cancer	Residue of banned termiticide
Chlorobenzene	0.1	0.1	Liver or kidney problems	Discharge from chemical and agricultural chemical factories
2,4-D	0.07	0.07	Kidney, liver, or adrenal gland problems	Runoff from herbicide used on row crops

Dalapon	0.2	0.2	Minor kidney changes	Runoff from herbicide used on rights of way
1,2-Dibromo-3-chloropropane (DBCP)	zero	0.0002	Reproductive difficulties; increased risk of cancer	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards
o-Dichlorobenzene	0.6	0.6	Liver, kidney, or circulatory system problems	Discharge from industrial chemical factories
p-Dichlorobenzene	0.075	0.075	Anemia; liver, kidney or spleen damage; changes in blood	Discharge from industrial chemical factories
1,2-Dichloroethane	zero	0.005	Increased risk of cancer	Discharge from industrial chemical factories
1,1-Dichloroethylene	0.007	0.007	Liver problems	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene	0.07	0.07	Liver problems	Discharge from industrial chemical factories

trans-1,2-Dichloroethylene	0.1	0.1	Liver problems	Discharge from industrial chemical factories
Dichloromethane	zero	0.005	Liver problems; increased risk of cancer	Discharge from drug and chemical factories
1,2-Dichloropropane	zero	0.005	Increased risk of cancer	Discharge from industrial chemical factories
Di(2-ethylhexyl) adipate	0.4	0.4	Weight loss, liver problems, or possible reproductive difficulties.	Discharge from chemical factories
Di(2-ethylhexyl) phthalate	zero	0.006	Reproductive difficulties; liver problems; increased risk of cancer	Discharge from rubber and chemical factories
Dinoseb	0.007	0.007	Reproductive difficulties	Runoff from herbicide used on soybeans and vegetables
Dioxin (2,3,7,8-TCDD)	zero	0.00000003	Reproductive difficulties; increased risk of	Emissions from waste incineration and other

			cancer	combustion; discharge from chemical factories
Diquat	0.02	0.02	Cataracts	Runoff from herbicide use
Endothall	0.1	0.1	Stomach and intestinal problems	Runoff from herbicide use
Endrin	0.002	0.002	Liver problems	Residue of banned insecticide
Epichlorohydrin	zero	TT[9]	Increased cancer risk, and over a long period of time, stomach problems	Discharge from industrial chemical factories; an impurity of some water treatment chemicals
Ethylbenzene	0.7	0.7	Liver or kidneys problems	Discharge from petroleum refineries
Ethylene dibromide	zero	0.00005	Problems with liver, stomach, reproductive system, or kidneys; increased risk of cancer	Discharge from petroleum refineries

Glyphosate	0.7	0.7	Kidney problems; reproductive difficulties	Runoff from herbicide use
Heptachlor	zero	0.0004	Liver damage; increased risk of cancer	Residue of banned termiticide
Heptachlor epoxide	zero	0.0002	Liver damage; increased risk of cancer	Breakdown of heptachlor
Hexachlorobenzene	zero	0.001	Liver or kidney problems; reproductive difficulties; increased risk of cancer	Discharge from metal refineries and agricultural chemical factories
Hexachlorocyclopentadiene	0.05	0.05	Kidney or stomach problems	Discharge from chemical factories
Lindane	0.0002	0.0002	Liver or kidney problems	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	0.04	0.04	Reproductive difficulties	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa,

				livestock
Oxamyl (Vydate)	0.2	0.2	Slight nervous system effects	Runoff/leaching from insecticide used on apples, potatoes, and tomatoes
Polychlorinated biphenyls (PCBs)	zero	0.0005	Skin changes; thymus gland problems; immune deficiencies; reproductive or nervous system difficulties; increased risk of cancer	Runoff from landfills; discharge of waste chemicals
Pentachlorophenol	zero	0.001	Liver or kidney problems; increased cancer risk	Discharge from wood preserving factories
Picloram	0.5	0.5	Liver problems	Herbicide runoff
Simazine	0.004	0.004	Problems with blood	Herbicide runoff
Styrene	0.1	0.1	Liver, kidney, or circulatory system problems	Discharge from rubber and plastic factories; leaching from landfills

Tetrachloroethylene	zero	0.005	Liver problems; increased risk of cancer	Discharge from factories and dry cleaners
Toluene	1	1	Nervous system, kidney, or liver problems	Discharge from petroleum factories
Toxaphene	zero	0.003	Kidney, liver, or thyroid problems; increased risk of cancer	Runoff/leaching from insecticide used on cotton and cattle
2,4,5-TP (Silvex)	0.05	0.05	Liver problems	Residue of banned herbicide
1,2,4-Trichlorobenzene	0.07	0.07	Changes in adrenal glands	Discharge from textile finishing factories
1,1,1-Trichloroethane	0.20	0.2	Liver, nervous system, or circulatory problems	Discharge from metal degreasing sites and other factories
1,1,2-Trichloroethane	0.003	0.005	Liver, kidney, or immune system problems	Discharge from industrial chemical factories

Trichloroethylene	zero	0.005	Liver problems; increased risk of cancer	Discharge from metal degreasing sites and other factories
Vinyl chloride	zero	0.002	Increased risk of cancer	Leaching from PVC pipes; discharge from plastic factories
Xylenes (total)	10	10	Nervous system damage	Discharge from petroleum factories; discharge from chemical factories

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Radionuclides

Contaminant	MCLG[1] (mg/L)[2]	MCL or TT[1] (mg/L)[2]	Potential Health Effects from Ingestion of Water	Sources of Contaminant in Drinking Water
Alpha particles	none[7] ---------- zero	15 picocuries per Liter (pCi/L)	Increased risk of cancer	Erosion of natural deposits of certain minerals that are radioactive and may emit a form of radiation known as alpha radiation

Beta particles and photon emitters	none[Z] ---------- zero	4 millirems per year	Increased risk of cancer	Decay of natural and man-made deposits of certain minerals that are radioactive and may emit forms of radiation known as photons and beta radiation
Radium 226 and Radium 228 (combined)	none[Z] ---------- zero	5 pCi/L	Increased risk of cancer	Erosion of natural deposits
Uranium	zero	30 ug/L as of 12/08/03	Increased risk of cancer, kidney toxicity	Erosion of natural deposits

Residential Risk Screening Levels for Tap Water

Analyte	Tapwater ug/L
ALAR	3.7E+00
Acephate	7.7E+00
Acetaldehyde	2.2E+00
Acetochlor	7.3E+02
Acetone	2.2E+04
Acetone Cyanohydrin	5.8E+01
Acetonitrile	1.3E+02
Acetophenone	3.7E+03
Acetylaminofluorene, 2-	1.8E-02
Acrolein	4.2E-02
Acrylamide	1.5E-02
Acrylic Acid	1.8E+04
Acrylonitrile	4.5E-02
Adiponitrile	
Alachlor	1.2E+00
Aldicarb	3.7E+01
Aldicarb Sulfone	3.7E+01
Aldrin	4.0E-03
Ally	9.1E+03
Allyl Alcohol	1.8E+02
Allyl Chloride	6.5E-01
Aluminum	3.7E+04
Aluminum Phosphide	1.5E+01
Amdro	1.1E+01
Ametryn	3.3E+02
Aminobiphenyl, 4-	3.2E-03
Aminophenol, m-	2.9E+03
Aminophenol, p-	7.3E+02
Amitraz	9.1E+01
Ammonia	
Ammonium Perchlorate	2.6E+01
Ammonium Sulfamate	7.3E+03
Aniline	1.2E+01
Antimony (metallic)	1.5E+01
Antimony Pentoxide	1.8E+01
Antimony Potassium Tartrate	3.3E+01
Antimony Tetroxide	1.5E+01
Antimony Trioxide	
Apollo	4.7E+02
Aramite	2.7E+00
Arsenic, Inorganic	4.5E-02
Arsine	
Assure	3.3E+02
Asulam	1.8E+03
Atrazine	2.9E-01

Avermectin B1	1.5E+01
Azobenzene	1.2E-01
Barium	7.3E+03
Baygon	1.5E+02
Bayleton	1.1E+03
Baythroid	9.1E+02
Benefin	1.1E+04
Benomyl	1.8E+03
Bentazon	1.1E+03
Benzaldehyde	3.7E+03
Benzene	4.1E-01
Benzenethiol	3.7E-01
Benzidine	9.4E-05
Benzoic Acid	1.5E+05
Benzotrichloride	5.2E-03
Benzyl Alcohol	1.8E+04
Benzyl Chloride	7.9E-02
Beryllium and compounds	7.3E+01
Bidrin	3.7E+00
Bifenox	3.3E+02
Biphenthrin	5.5E+02
Biphenyl, 1,1'-	1.8E+03
Bis(2-chloro-1-methylethyl) ether	3.2E-01
Bis(2-chloroethoxy)methane	1.1E+02
Bis(2-chloroethyl)ether	1.2E-02
Bis(2-ethylhexyl)phthalate	4.8E+00
Bis(chloromethyl)ether	6.2E-05
Bisphenol A	1.8E+03
Boron And Borates Only	7.3E+03
Boron Trifluoride	
Bromate	9.6E-02
Bromobenzene	2.0E+01
Bromodichloromethane	1.2E-01
Bromoform	8.5E+00
Bromomethane	8.7E+00
Bromophos	1.8E+02
Bromoxynil	7.3E+02
Bromoxynil Octanoate	7.3E+02
Butadiene, 1,3-	1.8E-02
Butanol, N-	3.7E+03
Butyl Benzyl Phthlate	3.5E+01
Butyl alcohol, sec-	7.3E+04
Butylate	1.8E+03
Butylphthalyl Butylglycolate	3.7E+04
Cacodylic Acid	7.3E+02
Cadmium (Diet)	
Cadmium (Water)	1.8E+01
Caprolactam	1.8E+04
Captafol	4.5E-01
Captan	2.9E+01

Carbaryl	3.7E+03
Carbofuran	1.8E+02
Carbon Disulfide	1.0E+03
Carbon Tetrachloride	2.0E-01
Carbosulfan	3.7E+02
Carboxin	3.7E+03
Chloral Hydrate	3.7E+03
Chloramben	5.5E+02
Chloranil	1.7E-01
Chlordane	1.9E-01
Chlordecone (Kepone)	4.2E-03
Chlorfenvinphos	2.6E+01
Chlorimuron, Ethyl-	7.3E+02
Chlorine	3.7E+03
Chlorine Dioxide	1.1E+03
Chlorite (Sodium Salt)	1.1E+03
Chloro-1,1-difluoroethane, 1-	1.0E+05
Chloro-1,3-butadiene, 2-	1.4E+01
Chloro-2-methylaniline HCl, 4-	1.5E-01
Chloro-2-methylaniline, 4-	2.5E-01
Chloroacetic Acid	7.3E+01
Chloroacetophenone, 2-	
Chloroaniline, p-	3.4E-01
Chlorobenzene	9.1E+01
Chlorobenzilate	6.1E-01
Chlorobenzotrifluoride, 4-	9.3E+01
Chlorobutane, 1-	1.5E+03
Chlorodifluoromethane	1.0E+05
Chloroform	1.9E-01
Chloromethane	1.9E+02
Chloromethyl Methyl Ether	5.6E-03
Chloronaphthalene, Beta-	2.9E+03
Chloronitrobenzene, o-	6.9E+00
Chloronitrobenzene, p-	1.1E+01
Chlorophenol, 2-	1.8E+02
Chloropicrin	
Chlorothalonil	2.2E+01
Chlorotoluene, o-	7.3E+02
Chlorotoluene, p-	2.6E+03
Chlorpropham	7.3E+03
Chlorpyrifos	1.1E+02
Chlorpyrifos Methyl	3.7E+02
Chlorsulfuron	1.8E+03
Chlorthiophos	2.9E+01
Chromium (III) (Insoluble Salts)	5.5E+04
Chromium VI (chromic acid mists)	1.1E+02
Chromium VI (particulates)	
Chromium(VI), Aerosol Mists	7.3E+02
Chromium, Total (1:6 ratio Cr VI : Cr III)	
Cobalt	1.1E+01

Coke Oven Emissions	
Copper	1.5E+03
Cresol, m-	1.8E+03
Cresol, o-	1.8E+03
Cresol, p-	1.8E+02
Cresols	9.3E+02
Crotonaldehyde, trans-	3.5E-02
Cumene	6.8E+02
Cyanazine	8.0E-02
Cyanides	
~Calcium Cyanide	1.5E+03
~Copper Cyanide	1.8E+02
~Cyanide (CN-)	7.3E+02
~Cyanogen	1.5E+03
~Cyanogen Bromide	3.3E+03
~Cyanogen Chloride	1.8E+03
~Hydrogen Cyanide	6.2E+00
~Potassium Cyanide	1.8E+03
~Potassium Silver Cyanide	7.3E+03
~Silver Cyanide	3.7E+03
~Sodium Cyanide	1.5E+03
~Thiocyanate	7.3E+00
~Zinc Cyanide	1.8E+03
Cyclohexane	1.3E+04
Cyclohexane, 1,2,3,4,5-pentabromo-6-chloro-	2.9E+00
Cyclohexanone	1.8E+05
Cyclohexylamine	7.3E+03
Cyhalothrin/karate	1.8E+02
Cypermethrin	3.7E+02
Cyromazine	2.7E+02
DDD	2.8E-01
DDE, p,p'-	2.0E-01
DDT	2.0E-01
Dacthal	3.7E+02
Dalapon	1.1E+03
Decabromodiphenyl ether, 2,2',3,3',4,4',5,5',6,6'- (BDE-209)	9.6E+01
Demeton	1.5E+00
Di(2-ethylhexyl)adipate	5.6E+01
Diallate	1.1E+00
Diazinon	2.6E+01
Dibromo-3-chloropropane, 1,2-	3.2E-04
Dibromobenzene, 1,4-	3.7E+02
Dibromochloromethane	1.5E-01
Dibromoethane, 1,2-	6.5E-03
Dibromomethane (Methylene Bromide)	3.7E+02
Dibutyl Phthalate	3.7E+03
Dibutyltin Compounds	1.1E+01
Dicamba	1.1E+03
Dichloro-2-butene, 1,4-	1.2E-03

Dichloro-2-butene, cis-1,4-	1.2E-03
Dichloro-2-butene, trans-1,4-	1.2E-03
Dichloroacetic Acid	1.3E+00
Dichlorobenzene, 1,2-	3.7E+02
Dichlorobenzene, 1,4-	4.3E-01
Dichlorobenzidine, 3,3'-	1.5E-01
Dichlorodifluoromethane	3.9E+02
Dichloroethane, 1,1-	2.4E+00
Dichloroethane, 1,2-	1.5E-01
Dichloroethylene, 1,1-	3.4E+02
Dichloroethylene, 1,2- (Mixed Isomers)	3.3E+02
Dichloroethylene, 1,2-cis-	3.7E+02
Dichloroethylene, 1,2-trans-	1.1E+02
Dichlorophenol, 2,4-	1.1E+02
Dichlorophenoxy Acetic Acid, 2,4-	3.7E+02
Dichlorophenoxy)butyric Acid, 4-(2,4-	2.9E+02
Dichloropropane, 1,2-	3.9E-01
Dichloropropane, 1,3-	7.3E+02
Dichloropropanol, 2,3-	1.1E+02
Dichloropropene, 1,3-	4.3E-01
Dichlorvos	2.3E-01
Dicyclopentadiene	1.4E+01
Dieldrin	4.2E-03
Diesel Engine Exhaust	
Diethyl Phthalate	2.9E+04
Diethylene Glycol Monobutyl Ether	3.7E+02
Diethylene Glycol Monoethyl Ether	2.2E+03
Diethylformamide	3.7E+01
Diethylstilbestrol	1.9E-04
Difenzoquat	2.9E+03
Diflubenzuron	7.3E+02
Difluoroethane, 1,1-	8.3E+04
Diisopropyl Ether	8.3E+02
Diisopropyl Methylphosphonate	2.9E+03
Dimethipin	7.3E+02
Dimethoate	7.3E+00
Dimethoxybenzidine, 3,3'-	4.8E+00
Dimethyl methylphosphonate	4.0E+01
Dimethylamino azobenzene [p-]	1.5E-02
Dimethylaniline HCl, 2,4-	1.2E-01
Dimethylaniline, 2,4-	9.0E-02
Dimethylaniline, N,N-	7.3E+01
Dimethylbenzidine, 3,3'-	6.1E-03
Dimethylformamide	3.7E+03
Dimethylhydrazine, 1,2-	1.2E-04
Dimethylphenol, 2,4-	7.3E+02
Dimethylphenol, 2,6-	2.2E+01
Dimethylphenol, 3,4-	3.7E+01
Dimethylterephthalate	3.7E+03
Dinitro-o-cresol, 4,6-	3.7E+00

Dinitro-o-cyclohexyl Phenol, 4,6-	7.3E+01
Dinitrobenzene, 1,2-	3.7E+00
Dinitrobenzene, 1,3-	3.7E+00
Dinitrobenzene, 1,4-	3.7E+00
Dinitrophenol, 2,4-	7.3E+01
Dinitrotoluene Mixture, 2,4/2,6-	9.9E-02
Dinitrotoluene, 2,4-	2.2E-01
Dinitrotoluene, 2,6-	3.7E+01
Dinitrotoluene, 2-Amino-4,6-	7.3E+01
Dinitrotoluene, 4-Amino-2,6-	7.3E+01
Dinoseb	3.7E+01
Dioxane, 1,4-	6.1E+00
Dioxins	
~Hexachlorodibenzo-p-dioxin, Mixture	1.1E-05
~TCDD, 2,3,7,8-	5.2E-07
Diphenamid	1.1E+03
Diphenyl Sulfone	1.1E+02
Diphenylamine	9.1E+02
Diphenylhydrazine, 1,2-	8.4E-02
Diquat	8.0E+01
Direct Black 38	9.1E-03
Direct Blue 6	9.1E-03
Direct Brown 95	1.0E-02
Disulfoton	1.5E+00
Dithiane, 1,4-	3.7E+02
Diuron	7.3E+01
Dodine	1.5E+02
EPTC	9.1E+02
Endosulfan	2.2E+02
Endothall	7.3E+02
Endrin	1.1E+01
Epichlorohydrin	2.1E+00
Epoxybutane, 1,2-	4.2E+01
Ethephon	1.8E+02
Ethion	1.8E+01
Ethoxyethanol Acetate, 2-	1.1E+04
Ethoxyethanol, 2-	1.5E+04
Ethyl Acetate	3.3E+04
Ethyl Acrylate	1.4E+00
Ethyl Chloride	2.1E+04
Ethyl Ether	7.3E+03
Ethyl Methacrylate	3.3E+03
Ethyl-p-nitrophenyl Phosphonate	3.7E-01
Ethylbenzene	1.5E+00
Ethylene Cyanohydrin	1.1E+03
Ethylene Diamine	3.3E+03
Ethylene Glycol	7.3E+04
Ethylene Glycol Monobutyl Ether	1.8E+04
Ethylene Oxide	4.4E-02
Ethylene Thiourea	1.5E+00

Ethylphthalyl Ethyl Glycolate	1.1E+05
Express	2.9E+02
Fenamiphos	9.1E+00
Fenpropathrin	9.1E+02
Fluometuron	4.7E+02
Fluorine (Soluble Fluoride)	2.2E+03
Fluridone	2.9E+03
Flurprimidol	7.3E+02
Flutolanil	2.2E+03
Fluvalinate	3.7E+02
Folpet	1.9E+01
Fomesafen	3.5E-01
Fonofos	7.3E+01
Formaldehyde	7.3E+03
Formic Acid	7.3E+04
Fosetyl-AL	1.1E+05
Furans	
~Furan	3.7E+01
Furazolidone	1.8E-02
Furfural	1.1E+02
Furium	4.5E-02
Furmecyclox	2.2E+00
Glufosinate, Ammonium	1.5E+01
Glycidyl	1.5E+01
Glyphosate	3.7E+03
Goal	1.1E+02
Guthion	1.1E+02
Haloxyfop, Methyl	1.8E+00
Harmony	4.7E+02
Heptachlor	1.5E-02
Heptachlor Epoxide	7.4E-03
Hexabromobenzene	7.3E+01
Hexabromodiphenyl ether, 2,2',4,4',5,5'- (BDE-153)	7.3E+00
Hexachlorobenzene	4.2E-02
Hexachlorobutadiene	8.6E-01
Hexachlorocyclohexane, Alpha-	1.1E-02
Hexachlorocyclohexane, Beta-	3.7E-02
Hexachlorocyclohexane, Gamma- (Lindane)	6.1E-02
Hexachlorocyclohexane, Technical	3.7E-02
Hexachlorocyclopentadiene	2.2E+02
Hexachloroethane	4.8E+00
Hexachlorophene	1.1E+01
Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX)	6.1E-01
Hexamethylene Diisocyanate, 1,6-	2.1E-02
Hexane, N-	8.8E+02
Hexanedioic Acid	7.3E+04
Hexazinone	1.2E+03
Hydrazine	2.2E-02
Hydrazine Sulfate	2.2E-02
Hydrogen Chloride	

Hydrogen Fluoride	1.5E+03
Hydrogen Sulfide	
Hydroquinone	1.2E+00
Imazalil	4.7E+02
Imazaquin	9.1E+03
Iodine	3.7E+02
Iprodione	1.5E+03
Iron	2.6E+04
Isobutyl Alcohol	1.1E+04
Isophorone	7.1E+01
Isopropalin	5.5E+02
Isopropanol	
Isopropyl Methyl Phosphonic Acid	3.7E+03
Isoxaben	1.8E+03
JP-7	6.3E+02
Kerb	2.7E+03
Lactofen	7.3E+01
Lead Compounds	
~Lead and Compounds	
~Tetraethyl Lead	3.7E-03
Linuron	7.3E+01
Lithium	7.3E+01
Lithium Perchlorate	2.6E+01
Londax	7.3E+03
MCPA	1.8E+01
MCPB	3.7E+02
MCPP	3.7E+01
Malathion	7.3E+02
Maleic Anhydride	3.7E+03
Maleic Hydrazide	1.8E+04
Malononitrile	3.7E+00
Mancozeb	1.1E+03
Maneb	1.8E+02
Manganese (Diet)	
Manganese (Water)	8.8E+02
Mephosfolan	3.3E+00
Mepiquat Chloride	1.1E+03
Mercury Compounds	
~Mercuric Chloride	1.1E+01
~Mercuric Sulfide	1.1E+01
~Mercury (elemental)	5.7E-01
~Mercury, Inorganic Salts	1.1E+01
~Methyl Mercury	3.7E+00
~Phenylmercuric Acetate	2.9E+00
Merphos	1.1E+00
Merphos Oxide	1.1E+00
Metalaxyl	2.2E+03
Methacrylonitrile	1.0E+00
Methamidophos	1.8E+00
Methanol	1.8E+04

Methidathion	3.7E+01
Methomyl	9.1E+02
Methoxy-5-nitroaniline, 2-	1.4E+00
Methoxychlor	1.8E+02
Methoxyethanol Acetate, 2-	7.3E+01
Methoxyethanol, 2-	1.1E+02
Methyl Acetate	3.7E+04
Methyl Acrylate	1.1E+03
Methyl Ethyl Ketone (2-Butanone)	7.1E+03
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	2.0E+03
Methyl Methacrylate	1.4E+03
Methyl Parathion	9.1E+00
Methyl Phosphonic Acid	7.3E+02
Methyl Styrene (Mixed Isomers)	6.0E+01
Methyl methanesulfonate	6.8E-01
Methyl tert-Butyl Ether (MTBE)	1.2E+01
Methyl-5-Nitroaniline, 2-	2.0E+00
Methylaniline Hydrochloride, 2-	5.2E-01
Methylarsonic acid	3.7E+02
Methylcholanthrene, 3-	3.1E-03
Methylene Chloride	4.8E+00
Methylene-bis(2-chloroaniline), 4,4'-	2.2E-01
Methylene-bis(N,N-dimethyl) Aniline, 4,4'-	1.5E+00
Methylenebisbenzenamine, 4,4'-	4.2E-02
Methylenediphenyl Diisocyanate	
Methylstyrene, Alpha-	2.6E+03
Metolachlor	5.5E+03
Metribuzin	9.1E+02
Mirex	3.7E-03
Molinate	7.3E+01
Molybdenum	1.8E+02
Monochloramine	3.7E+03
Monomethylaniline	7.3E+01
N,N'-Diphenyl-1,4-benzenediamine	1.1E+01
Naled	7.3E+01
Naphthylamine, 2-	3.7E-02
Napropamide	3.7E+03
Nickel Refinery Dust	
Nickel Soluble Salts	7.3E+02
Nickel Subsulfide	4.0E-02
Nitrate	5.8E+04
Nitrite	3.7E+03
Nitroaniline, 2-	1.1E+02
Nitroaniline, 4-	3.4E+00
Nitrobenzene	1.2E-01
Nitrofurantoin	2.6E+03
Nitrofurazone	5.2E-02
Nitroglycerin	3.7E+00
Nitroguanidine	3.7E+03
Nitromethane	5.4E-01

Nitropropane, 2-	1.8E-03
Nitroso-N-ethylurea, N-	2.5E-03
Nitroso-N-methylurea, N-	5.6E-04
Nitroso-di-N-butylamine, N-	2.4E-03
Nitroso-di-N-propylamine, N-	9.6E-03
Nitrosodiethanolamine, N-	2.4E-02
Nitrosodiethylamine, N-	1.4E-04
Nitrosodimethylamine, N-	4.2E-04
Nitrosodiphenylamine, N-	1.4E+01
Nitrosomethylethylamine, N-	3.1E-03
Nitrosomorpholine [N-]	1.0E-02
Nitrosopiperidine [N-]	7.2E-03
Nitrosopyrrolidine, N-	3.2E-02
Nitrotoluene, m-	7.3E+02
Nitrotoluene, o-	3.1E-01
Nitrotoluene, p-	4.2E+00
Norflurazon	1.5E+03
Nustar	2.6E+01
Octabromodiphenyl Ether	1.1E+02
Octahydro-1,3,5,7-tetranitro-1,3,5,7-tetra (HMX)	1.8E+03
Octamethylpyrophosphoramide	7.3E+01
Oryzalin	1.8E+03
Oxadiazon	1.8E+02
Oxamyl	9.1E+02
Paclobutrazol	4.7E+02
Paraquat Dichloride	1.6E+02
Parathion	2.2E+02
Pebulate	1.8E+03
Pendimethalin	1.5E+03
Pentabromodiphenyl Ether	7.3E+01
Pentabromodiphenyl ether, 2,2',4,4',5- (BDE-99)	3.7E+00
Pentachlorobenzene	2.9E+01
Pentachloroethane	7.5E-01
Pentachloronitrobenzene	2.6E-01
Pentachlorophenol	5.6E-01
Perchlorate and Perchlorate Salts	2.6E+01
Permethrin	1.8E+03
Phenacetin	3.1E+01
Phenmedipham	9.1E+03
Phenol	1.1E+04
Phenylenediamine, m-	2.2E+02
Phenylenediamine, o-	1.4E+00
Phenylenediamine, p-	6.9E+03
Phenylphenol, 2-	3.5E+01
Phorate	7.3E+00
Phosgene	
Phosmet	7.3E+02
Phosphine	1.1E+01
Phosphoric Acid	
Phosphorus, White	7.3E-01

Phthalic Acid, P-	3.7E+04
Phthalic Anhydride	7.3E+04
Picloram	2.6E+03
Picramic Acid (2-Amino-4,6-dinitrophenol)	7.3E+01
Pirimiphos, Methyl	3.7E+02
Polybrominated Biphenyls	2.2E-03
Polychlorinated Biphenyls (PCBs)	
~Aroclor 1016	9.6E-01
~Aroclor 1221	6.8E-03
~Aroclor 1232	6.8E-03
~Aroclor 1242	3.4E-02
~Aroclor 1248	3.4E-02
~Aroclor 1254	3.4E-02
~Aroclor 1260	3.4E-02
~Heptachlorobiphenyl, 2,3,3',4,4',5,5'- (PCB 189)	5.2E-03
~Hexachlorobiphenyl, 2,3',4,4',5,5'- (PCB 167)	5.2E-03
~Hexachlorobiphenyl, 2,3,3',4,4',5'- (PCB 157)	1.0E-04
~Hexachlorobiphenyl, 2,3,3',4,4',5- (PCB 156)	1.0E-04
~Hexachlorobiphenyl, 3,3',4,4',5,5'- (PCB 169)	5.2E-03
~Pentachlorobiphenyl, 2',3,4,4',5- (PCB 123)	5.2E-03
~Pentachlorobiphenyl, 2,3',4,4',5- (PCB 118)	5.2E-03
~Pentachlorobiphenyl, 2,3,3',4,4'- (PCB 105)	5.2E-03
~Pentachlorobiphenyl, 2,3,4,4',5- (PCB 114)	1.0E-04
~Pentachlorobiphenyl, 3,3',4,4',5- (PCB 126)	5.2E-06
~Polychlorinated Biphenyls (high risk)	
~Polychlorinated Biphenyls (low risk)	1.7E-01
~Polychlorinated Biphenyls (lowest risk)	
~Tetrachlorobiphenyl, 3,3',4,4'- (PCB 77)	5.2E-03
~Tetrachlorobiphenyl, 3,4,4',5- (PCB 81)	5.2E-03
Polymeric Methylene Diphenyl Diisocyanate (PMDI)	
Polynuclear Aromatic Hydrocarbons (PAHs)	
~Acenaphthene	2.2E+03
~Anthracene	1.1E+04
~Benz[a]anthracene	2.9E-02
~Benzo[a]pyrene	2.9E-03
~Benzo[b]fluoranthene	2.9E-02
~Benzo[k]fluoranthene	2.9E-01
~Chrysene	2.9E+00
~Dibenz[a,h]anthracene	2.9E-03
~Dimethylbenz(a)anthracene, 7,12-	2.7E-04
~Fluoranthene	1.5E+03
~Fluorene	1.5E+03
~Indeno[1,2,3-cd]pyrene	2.9E-02
~Methylnaphthalene, 1-	2.3E+00
~Methylnaphthalene, 2-	1.5E+02
~Naphthalene	1.4E-01
~Pyrene	1.1E+03
Potassium Perchlorate	2.6E+01
Prochloraz	4.5E-01
Profluralin	2.2E+02

Prometon	5.5E+02
Prometryn	1.5E+02
Propachlor	4.7E+02
Propanil	1.8E+02
Propargite	7.3E+02
Propargyl Alcohol	7.3E+01
Propazine	7.3E+02
Propham	7.3E+02
Propiconazole	4.7E+02
Propionaldehyde	1.7E+01
Propylene Glycol	7.3E+05
Propylene Glycol Dinitrate	5.7E-01
Propylene Glycol Monoethyl Ether	2.6E+04
Propylene Glycol Monomethyl Ether	2.6E+04
Propylene Oxide	2.3E-01
Pursuit	9.1E+03
Pydrin	9.1E+02
Pyridine	3.7E+01
Quinalphos	1.8E+01
Quinoline	2.2E-02
Refractory Ceramic Fibers	
Resmethrin	1.1E+03
Ronnel	1.8E+03
Rotenone	1.5E+02
Safrole	3.1E-01
Savey	9.1E+02
Selenious Acid	1.8E+02
Selenium	1.8E+02
Selenourea	1.8E+02
Sethoxydim	3.3E+03
Silver	1.8E+02
Simazine	5.6E-01
Sodium Acifluorfen	4.7E+02
Sodium Azide	1.5E+02
Sodium Diethyldithiocarbamate	2.5E-01
Sodium Fluoride	1.8E+03
Sodium Fluoroacetate	7.3E-01
Sodium Metavanadate	3.7E+01
Sodium Perchlorate	2.6E+01
Stirofos (Tetrachlorovinphos)	2.8E+00
Strontium, Stable	2.2E+04
Strychnine	1.1E+01
Styrene	1.6E+03
Sulfonylbis(4-chlorobenzene), 1,1'-	1.8E+02
Systhane	9.1E+02
TCMTB	1.1E+03
Tebuthiuron	2.6E+03
Temephos	7.3E+02
Terbacil	4.7E+02
Terbufos	9.1E-01

Terbutryn	3.7E+01
Tetrabromodiphenyl ether, 2,2',4,4'- (BDE-47)	3.7E+00
Tetrachlorobenzene, 1,2,4,5-	1.1E+01
Tetrachloroethane, 1,1,1,2-	5.2E-01
Tetrachloroethane, 1,1,2,2-	6.7E-02
Tetrachloroethylene	1.1E-01
Tetrachlorophenol, 2,3,4,6-	1.1E+03
Tetrachlorotoluene, p- alpha, alpha, alpha-	3.4E-03
Tetraethyl Dithiopyrophosphate	1.8E+01
Tetrafluoroethane, 1,1,1,2-	1.7E+05
Tetryl (Trinitrophenylmethylnitramine)	1.5E+02
Thallium (I) Nitrate	3.3E+00
Thallium (Soluble Salts)	2.4E+00
Thallium Acetate	3.3E+00
Thallium Carbonate	2.9E+00
Thallium Chloride	2.9E+00
Thallium Sulfate	2.9E+00
Thiobencarb	3.7E+02
Thiofanox	1.1E+01
Thiophanate, Methyl	2.9E+03
Thiram	1.8E+02
Tin	2.2E+04
Titanium Tetrachloride	
Toluene	2.3E+03
Toluene diisocyanate mixture (TDI)	1.5E-01
Toluene-2,4-diamine	1.8E-02
Toluene-2,5-diamine	2.2E+04
Toluene-2,6-diamine	1.1E+03
Toluidine, o- (Methylaniline, 2-)	3.7E-01
Toluidine, p-	3.5E-01
Toxaphene	6.1E-02
Tralomethrin	2.7E+02
Tri-n-butyltin	1.1E+01
Triallate	4.7E+02
Triasulfuron	3.7E+02
Tribromobenzene, 1,2,4-	1.8E+02
Tributyl Phosphate	7.3E+00
Tributyltin Compounds	1.1E+01
Tributyltin Oxide	1.1E+01
Trichloro-1,2,2-trifluoroethane, 1,1,2-	5.9E+04
Trichloroaniline HCl, 2,4,6-	2.3E+00
Trichloroaniline, 2,4,6-	2.0E+00
Trichlorobenzene, 1,2,4-	8.2E+00
Trichloroethane, 1,1,1-	9.1E+03
Trichloroethane, 1,1,2-	2.4E-01
Trichloroethylene	1.7E+00
Trichlorofluoromethane	1.3E+03
Trichlorophenol, 2,4,5-	3.7E+03
Trichlorophenol, 2,4,6-	6.1E+00
Trichlorophenoxy) Propionic Acid, 2(2,4,5-	2.9E+02

Trichlorophenoxyacetic Acid, 2,4,5-	3.7E+02
Trichloropropane, 1,1,2-	1.8E+02
Trichloropropane, 1,2,3-	9.6E-03
Trichloropropene, 1,2,3-	2.1E+00
Tridiphane	1.1E+02
Triethylamine	1.5E+01
Trifluralin	8.7E+00
Trimethyl Phosphate	1.8E+00
Trimethylbenzene, 1,2,4-	1.5E+01
Trimethylbenzene, 1,3,5-	1.2E+01
Trinitrobenzene, 1,3,5-	1.1E+03
Trinitrotoluene, 2,4,6-	2.2E+00
Triphenylphosphine Oxide	7.3E+02
Tris(2-chloroethyl)phosphate	4.8E+00
Tris(2-ethylhexyl)phosphate	2.1E+01
Uranium (Soluble Salts)	1.1E+02
Vanadium Pentoxide	3.3E+02
Vanadium Sulfate	7.3E+02
Vanadium and Compounds	1.8E+02
Vanadium, Metallic	2.6E+02
Vernolate	3.7E+01
Vinclozolin	9.1E+02
Vinyl Acetate	4.1E+02
Vinyl Bromide	1.5E-01
Vinyl Chloride	1.6E-02
Warfarin	1.1E+01
Xylene, Mixture	2.0E+02
Xylene, P-	1.5E+03
Xylene, m-	1.4E+03
Xylene, o-	1.4E+03
Zinc (Metallic)	1.1E+04
Zinc Phosphide	1.1E+01
Zineb	1.8E+03

NEW MEXICO ENVIRONMENT DEPARTMENT TPH SCREENING GUIDELINES
October 2006

Guidelines for Direct Ingestion

TPH			Concentration in Groundwater (mg/L)
Petroleum Product	**Residential Direct Exposure (mg/kg)**	**Industrial Direct Exposure (mg/kg)**	
Diesel #2/crankcase oil	520	1120	1.72
#3 and #6 Fuel Oil	440	890	1.34
Kerosene and jet fuel	760	1810	2.86
Mineral oil dielectric fluid	1440	3040	3.64
Unknown oil [a]	200	200	0.2
Waste Oil [b]	2500	5000	Petroleum-Related Contaminants
Gasoline	Not applicable	Not applicable	Petroleum-Related Contaminants

[a] Sites with oil from unknown sources must be tested for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and polychlorinated biphenyls (PCBs) to determine if other potentially toxic constituents are present. The TPH guidelines in Table 2 are not designed to be protective of exposure to these constituents therefore they must be tested for, and compared to, their individual NMED soil screening guidelines.

[b] Compositional assumption for waste oil developed by NMED is based on review of chromatographs of several types of waste oil. Sites with waste oil must be tested for VOCs, SVOCs, metals, and PCBs to determine if other potentially toxic constituents are present. The TPH guidelines in Table 2 are not designed to be protective of exposure to these constituents therefore they must be tested for, and compared to, their individual NMED soil screening guidelines.

TPH Screening Guidelines – Vapor Migration and Inhalation of Groundwater (GW-2)

TPH			Concentration in Groundwater (mg/L)
Petroleum Product	**Residential Direct Exposure (mg/kg)**	**Industrial Direct Exposure (mg/kg)**	
Diesel #2/crankcase oil	880	2200	30.4
#3 and #6 Fuel Oil	860	2150	35.3
Kerosene and jet fuel	940	2350	15.7
Mineral oil dielectric fluid	1560	3400	10.4
Unknown oil[a]	800	2000	50.0
Waste Oil[b]	2500	5000	Petroleum-Related Contaminants
Gasoline	Not applicable	Not applicable	Petroleum-Related Contaminants

[a] Sites with oil from unknown sources must be tested for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and polychlorinated biphenyls (PCBs) to determine if other potentially toxic constituents are present. The TPH guidelines in Table 2 are not designed to be protective of exposure to these constituents therefore they must be tested for, and compared to, their individual NMED soil screening guidelines.

[b] Compositional assumption for waste oil developed by NMED is based on review of chromatographs of several types of waste oil. Sites with waste oil must be tested for VOCs, SVOCs, metals, and PCBs to determine if other potentially toxic constituents are present. The TPH guidelines in Table 2 are not designed to be protective of exposure to these constituents therefore they must be tested for, and compared to, their individual NMED soil screening guidelines.

Well Logs

Weekly monitoring of KA-3R (NAPIS) well

DATE	4/28/2008	5/8/2008*	5/20/2008
TIME	1525 hrs	1330 hrs	0950 hrs
DTW START	25.22	20.99	23.69
DTW END	30.34	30.35	30.18
Water Level Thickness	5.12	9.36	6.49
Total Gals Bailed	1.75	2.45	2.1

* Lost bailer in well. Retrieved bailer on 5/12/08 and continued with bailing. Final measurement as noted.

Hourly monitoring of KA-1R, 2R, 3R (determine recharge rate)

DATE / TIME	KA1R	KA2R	KA3R
5/20/08 @ 0950 HRS DTW			23.69
5/21/08 @1040 HRS DTW	8.47		
5/21/08 @1100 HRS DTW		8.53	
5/21/08 @1340 HRS DTW			
BAILED	3.2 GALS	30+ GALS(KEEPS RECHARGING)	Bailed 2.1 GALS
DTW END	13.38	11.1	30.18
5/21/08 @1200 HRS DTW	11.08		
5/21/08 @ 1320 HRS DTW	9.45	8.67	
5/21/08 @ 1330 HRS DTW			28.94
RECHARGE	2 FT/HR	2.4 FT/HR	1.24 FT/DAY

SIGNATURE: _____

WESTERN REFINERY - GALLUP REFINERY

RW-1 HYDROCARBON RECOVERY LOG

2/22/05 TO 12/31/08

Date of measurement	Time	Quarter	Well #	Depth to Product (feet)	Depth to Water (feet)	Product Level Thickness (feet)	Volume of Product Bailed/ Pumped (gallons)	Water Gallons
2/22/2005	0830	1st.	RW-1	32'-5 1/2"	36'-6"	4'-0 1/2"	14	
3/2/2005	0745	1st	RW-1	32'-5"	36'-5 1/4"	4'-0 1/4"	9	
3/8/2005	0830	1st	RW-1	31'-11"	36'-4 1/4"	4'-5 1/4"	15	
3/9/2005	0860	1st	RW-1	31'-11"	37'-6"	5'-7"	4	
3/11 to 3/18/05		1st	RW-1	Started Pumping Well on 3/11/05			74	
3/18 to 3/23/05		1st	RW-1	Continue Pumping			48	
3/23 to 4/1/05		1st	RW-1	Continue Pumping			62	
4/1 to 4/4/05		2nd	RW-1	Pump shut down to measure well			27	
4/5/2005	1130Hrs	2nd	RW-1	34'-9"	38'-11"	4'-2"		
4/4 TO 4/15/05	1100Hrs	2nd	RW-1	Continue Pumping			50	
4-15 to 5-5-05	1230 Hrs	2nd	RW-1	Continue Pumping			45	154
5-5 to 6-17-05	1130 Hrs	2nd	RW-1	Continue Pumping			24	196
6/27/2005	1400 Hrs	2nd	RW-1	Pump shut down to measure well				
6/28/2005	1100 Hrs	2nd	RW-1	32' 5 1/2"	33' 3"	0' 9 1/2"		
6/28/2005		2nd	RW-1	Continue Pumping				
6/17 to 7/8/2005	1030 Hrs	2nd	RW-1	Continue Pumping			18	146
7/8 to 8/9/2005	1330 Hrs	3rd	RW-1	Continue Pumping			28	350
8/9 to 9/16/2005	1135 Hrs	3rd	RW-1	36' - 5 1/2"	36' - 6 1/2"	0' - 1"	8	240
12/5/2005	1315 Hrs	4th	RW-1	31'-11"	34'-8 1/2"	2'-9 1/2"		
12/8/2005	1400 Hrs	4th	RW-1	Start Pumping				
12/22/2005	1530 Hrs	4th	RW-1	Pulled Pump			5	120
12/29/2005	1400 Hrs	4th	RW-1	Hand Bailed			0.5	4.5
3/15/2006	1300 Hrs	1st	RW-1	32'-2 3/4"	34'-5 3/4"	2'-3"		
3/16/2006	1430 Hrs	1st	RW-1	Start Pumping				
3/23/2006	1430 Hrs	1st	RW-1	Shut Off Pump				
3/27/2006	1530 Hrs	1st	RW-1	Start Pumping				
3/31/2006	1130 Hrs	1st	RW-1	Continue Pumping				174
4/3/2006	1130 Hrs	2nd	RW-1	Stopped Pumping			4	38
4/4/2006	1100 Hrs	2nd	RW-1	32'-9"	33'-1"	0'-4"		
6/6/2006	1300 Hrs	2nd	RW-1	32'-4 3/4"	34'-6 1/2"	2'-1 3/4"		
6/8/2006	1500 Hrs	2nd	RW-1	Start Pumping (Intermittingly)				
6/29/2006	1000 Hrs	2nd	RW-1	Stopped Pumping			8	365
7/31/2006	1145 Hrs	3rd	RW-1	33'-0 3/4"	33'-5 3/4"	0'-5"		
7/31/2006	1145 Hrs	3rd	RW-1	Start Pumping				
8/3/2006	1420 Hrs	3rd	RW-1	Stopped Pumping			2	87
8/8/2006	0900 Hrs	3rd	RW-1	Start Pumping				
8/10/2006	1530 HRS	3rd	RW-1	Start pumping				
8/22/2006	0900 Hrs	3rd	RW-1	Pulled pump			4.9	373
8/22/2006	0945 HRS	3rd	RW-1	33.10	33.40	0.6"		
12/21/2006	1555	4th	RW-1	35.20	36.00	1'1/4"	0.62	70
2/21/2007	1015	1st.	RW-1	33.42	34.60	1.18	0.63	53.5
6/5/2007	1000	2nd	RW-1	32.42	32.71	0.29		
6/5/2007	1010			Hand Bailed			0.05	9
6/6/2007	840			Hand Bailed			0.1	11
6/13/2007	1400			Hand Bailed			0.1	12
6/14/2007	1040			Hand Bailed			0.05	8

Date of measurement	Time	Quarter	Well #	Depth to Product (feet)	Depth to Water (feet)	Product Level Thickness (feet)	Volume of Product Bailed/ Pumped (gallons)	Water Gallons
7/10/2007	1008	3rd	**RW-1**	32.42	32.71	0.29	0.3	18
7/11/2007	925	3rd	**RW-1**	Hand Bailed			0.21	12.5
7/23/2007	1000	3RD	**RW-1**	Hand Bailed			0.1	5.5
11/26/2007	1050	4th	**RW-1**	30.76	36.45	5.69	0.18	37
2/18/2008	1532	1st.	**RW-1**	30.18	34.77	4.59	1.66	36
5/21/2008	1410	2nd	**RW-1**	30.40	34.57	4.24	1.39	51
9/12/2008	1430	3rd	**RW-1**	30.03	34.59	4.56	NOT BAILED	
11/13/2008	1300	4TH	**RW-1**	30.02	34.63	4.61	0.94	65
					Total Gallons		**459.79**	**2571**

WELL DATA 2008 SUMMARY TABLE
2008 ANNUAL GROUNDWATER DISCHARGE REPORT

Well ID Number	Measurement date	A Well Casing Rim Elevations (ft)	Well Casing Bottom Elevations (ft)	Total Well Depth (ft)	Depth to SPH (ft)	B SPH Thickness (ft)	C Depth to Water	D = A-C Groundwater Elevation (ft)	= 0.8B + D Corrected Water Table Elevation (ft)
BW-1A	7/30/2008	6,876.73	6,836.73	40.00	NA	NA	DRY	DRY	NA
BW-1B	7/30/2008	6,876.91	6,811.71	67.55	NA	NA	DRY	DRY	NA
BW-1C	7/30/2008	6,876.75	6,719.75	157.00	NA	NA	6.84	6,869.91	NA
BW-2A	7/30/2008	6,874.72	6,809.22	65.50	NA	NA	31.97	6,842.75	NA
BW-2B	7/30/2008	6,874.58	6,784.08	90.50	NA	NA	27.91	6,846.67	NA
BW-2C	7/30/2008	6,875.40	6,724.40	151.00	NA	NA	20.64	6,854.76	NA
BW-3A	7/30/2008	6,878.22	6,828.22	52.60	NA	NA	DRY	DRY	NA
BW-3B	7/31/2008	6,878.79	6,803.79	75.00	NA	NA	32.73	6,846.06	NA
BW-3C	7/31/2008	6,878.08	6,723.08	155.00	NA	NA	8.08	6,870.00	NA
OW-1	2/18/2008	6,868.00	6,773.96	94.04	NA	NA	1.75	6,866.25	NA
OW-1	5/21/2008	6,868.00	6,773.96	94.04	NA	NA	1.75	6,866.25	NA
OW-1	9/15/2008	6,868.00	6,773.96	94.04	NA	NA	1.78	6,866.22	NA
OW-1	11/3/2008	6,868.00	6,773.96	94.04	NA	NA	2.78	6,865.22	NA
OW-10	2/18/2008	6,872.00	6,804.00	68.00	NA	NA	1.25	6,870.75	NA
OW-10	5/21/2008	6,872.00	6,804.00	68.00	NA	NA	1.61	6,870.39	NA
OW-10	9/10/2008	6,872.00	6,804.00	68.00	NA	NA	1.59	6,870.41	NA
OW-10	11/3/2008	6,872.00	6,804.00	68.00	NA	NA	2.04	6,869.96	NA
OW-11	8/14/2008	6,923.89	6,857.27	66.62	NA	NA	20.91	6,902.98	NA
OW-12	8/18/2008	6,940.43	6,795.43	[redacted]	NA	NA	49.05	6,891.38	NA
OW-13	8/18/2008	6,920.12	6,820.12	100.00	NA	NA	24.41	6,895.71	NA
OW-14	8/21/2008	6,926.64	6,881.64	45.00	NA	NA	27.13	6,899.51	NA
OW-29	8/19/2008	6,913.50	6,864.50	49.00	NA	NA	21.95	6,891.55	NA
OW-30	8/20/2008	6,921.60	6,873.20	48.40	NA	NA	26.34	6,895.26	NA
MW-1	8/4/2008	6,878.52	6,746.50	132.02	NA	NA	7.28	6,871.24	NA
MW-4	8/4/2008	6,882.54	6,760.40	122.14	NA	NA	7.95	6,874.59	NA
MW-5	8/14/2008	6,883.32	6,750.30	133.02	NA	NA	11.37	6,871.95	NA
RW-1	2/18/2008	6,943.50			30.18	4.59	34.77	6,908.73	6912.402
(OW-27)	5/21/2008	6,943.50			30.40	4.17	34.57	6,908.93	6912.266
	9/12/2008	6,943.50			30.03	4.56	34.59	6,908.91	6912.558
	11/3/2008	6,943.50			30.02	4.61	34.63	6,908.87	6912.558
RW-2	2/18/2008	6,927.20				NA	28.16	6,899.04	N/A
(OW-28)	5/21/2008	6,927.20				NA	27.22	6,899.98	N/A
	9/12/2008	6,927.20				NA	27.03	6,900.17	N/A
	11/3/2008	6,927.20				NA	27.10	6,900.10	N/A
RW-5	2/18/2008	6,942.50	6,902.50	40.00	33.1875	0.7604	33.9479	6,908.55	6909.16042

Well ID Number	Measurement date	A Well Casing Rim Elevations (ft)	Well Casing Bottom Elevations (ft)	Total Well Depth (ft)	Depth to SPH (ft)	B SPH Thickness (ft)	C Depth to Water	D = A-C Groundwater Elevation (ft)	= 0.8B + D Corrected Water Table Elevation (ft)
	5/21/2008	6,942.50	6,902.50	40.00	32.77	1.07	33.84	6,908.66	6909.516
	9/10/2008	6,942.50	6,902.50	40.00	32.62	0.23	32.85	6,909.65	6909.834
	11/3/2008	6,942.50	6,902.50	40.00	31.05	1.29	32.34	6,910.16	6911.192
RW-6	2/18/2008	6,972.60	6,933.80	38.80	33.4375	0.9165	34.354	6,938.25	6938.9792
	5/21/2008	6,972.60	6,933.80	38.80	33.02	1.1	34.12	6,938.48	6939.36
	9/10/2008	6,972.60	6,933.80	38.80	32.83	0.29	33.12	6,939.48	6939.712
	11/3/2008	6,972.60	6,933.80	38.80	32.46	0.23	32.69	6,939.91	6940.094
SMW-2	8/14/2008	6,884.44	6,827.10	57.34	NA	NA	25.89	6,858.55	N/A
SMW-4	8/13/2008	6,882.54	6,760.40	122.14	NA	NA	29.57	6,852.97	N/A
SMW-6		6,880.71	6,807.60	73.11				6,880.71	N/A
GWM-1	2/18/2008	6,912.65	6,888.95	23.70	NA	NA	19.91	6,892.74	N/A
	5/21/2008	6,912.65	6,888.95	23.70	NA	NA	19.47	6,893.18	N/A
	9/10/2008	6,912.65	6,888.95	23.70	NA	NA	20.24	6,892.41	N/A
	11/3/2008	6,912.65	6,888.95	23.70	NA	NA	20.55	6,892.10	N/A
GWM-2	2/18/2008	6,913.17	6,896.97	18.97	NA	NA	18.45	6,894.72	N/A
	3/17/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
	5/21/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
	9/10/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
	11/3/2008	6,913.17	6,896.97	18.97	NA	NA	DRY	NA	N/A
GWM-3	2/18/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
	5/21/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
	9/10/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
	11/3/2008	6,912.65	6,896.15	17.94	NA	NA	DRY	NA	N/A
NAPIS 1(KA-1R)	4/11/2008	6,918.43	6,904.40	14.00	NA	NA	8.58	6,909.85	N
	7/11/2008	6,918.43	6,904.40	14.00	NA	NA	8.98	6,909.45	N
	11/4/2008	6,918.43	6,904.40	14.00	NA	NA	8.83	6,909.60	N
NAPIS 2 (KA-2R)	4/11/2008	6,917.27	6,902.80	14.50	NA	NA	8.83	6,908.44	N
	7/11/2008	6,917.27	6,902.80	14.50	NA	NA	8.96	6,908.31	N
	11/4/2008	6,917.27	6,902.80	14.50	NA	NA	9.23	6,908.04	N
NAPIS 3 (KA-3R)	4/11/2008	6,917.31	6,886.60	30.70	NA	NA	14.98	6,902.33	N
	7/11/2008	6,917.31	6,886.60	30.70	NA	NA	9.72	6,907.59	N
	11/4/2008	6,917.31	6,886.60	30.70	NA	NA	8.71	6,908.60	N
KA-3	11/4/2008	6,917.17	6,892.40	25.00	NA	NA	9.01	6,908.16	N

NAPIS 1(KA-1R), NAPIS 2 (KA-2R), NAPIS 3 (KA-3R): NAPIS wells installed on 3/15/08. Quarterly monitoring began third quarter of 2008.

KA-3: Began sampling 4th Quarter 2008.

SPH = Separate Phase Hydrocarbons

NA = If no SPH was detected then this is shown on the table as NA (not applicable)

Corrected water table elevations are only provided if SPH was detected.

*OW-12: Annual inspection revealed well depth measurement to be 126 feet instead of 145 feet as listed.

WESTERN REFINING
GALLUP REFINERY
Groundwater Discharge Permit GW-032
Recovery Well Inspections

Permit Requirement: GW-032

Condition Permit ID # : OCD Sect. 9, Item 4

Monitoring Required: Quarterly measurement of product layer thickness and bailing of product.

Equipment Identification: RW-1, RW-2, RW-5, RW-6

Date of measurement	Time	Quarter	Well #	Depth to Product	Depth to Water	Product Level Thickness	Volume of Product Bailed (gallons)
2/18/2008	1532	1st	RW-1	30.18	34.77	4.59	1.66
5/21/2008	1410	1st	RW-1	30.40	34.57	4.17	1.59
9/12/2008	1430	1st	RW-1	30.03	34.59	4.56	Not Bailed
11/3/2008	1300	1st	RW-1	30.02	34.63	4.61	0.94
2/18/2008	1500	2nd	**RW-2**	No Product	25.16	0.00	0.00
5/21/2008	1440	2nd	**RW-2**	No Product	27.22	0.00	0.00
9/12/2008	1445	2nd	**RW-2**	No Product	27.03	0.00	0.00
11/3/2008	1420	2nd	**RW-2**	No Product	27.10	0.00	0.00
2/18/2008	1515	3rd	**RW-5**	33.19	33.95	0.76	0.19
5/21/2008	1420	3rd	**RW-5**	32.77	33.84	1.07	0.14
9/12/2008	1430	3rd	**RW-5**	32.62	32.85	0.23	0.05
11/3/2008	1400	3rd	**RW-5**	31.05	32.34	1.29	0.05
2/18/2008	1511	4th	**RW-6**	33.44	34.35	0.92	1.66
5/21/2008	1430	4th	**RW-6**	33.02	34.12	1.10	0.13
9/12/2008	1435	4th	**RW-6**	32.12	32.83	0.71	0.09
11/3/2008	1435	4th	**RW-6**	32.46	32.69	0.23	0.04

Name and Title of person who performed measurement:
Cheryl Johnson (Environmental Specialist)

Signature: _____

CC: Ed Riege

WESTERN REFINING
GALLUP REFINERY
Groundwater Discharge Permit GW-032
Recovery Well Inspections

Permit Requirement: GW-032

Condition Permit ID # : OCD Sect. 9, Item 4

Monitoring Required: Quarterly measurement of product layer thickness and bailing of product.

Equipment Identification: RW-1, RW-2, RW-5, RW-6

Date of measurement	Time	Quarter	Well #	Depth to Product (ft.)	Depth to Water (ft.)	Product Level Thickness	Volume of Product Bailed (gallons)
2/18/2008	1532	1st	**RW-1**	30.18	34.77	4.59	1.66
2/18/2008	1500	1st	**RW-2**	No Product	28.16	0	
2/18/2008	1515	1st	**RW-5**	33.19	33.95	0.76	0.19
2/18/2008	1511	1st	**RW-6**	33.44	34.35	0.92	0.11

Name and Title of person who performed measurement:
Cheryl Johnson (Environmental Specialist)

Signature: _____

CC: Ed Riege

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on GWM-1

Date	Time	Quarter	Depth to Water	Comments
2/18/2008	1415	1st	19.91 ft	To top of plastic Casing.

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-2 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2008

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
2/18/2008	1412	1st	18.45 ft	Water (top of Plastic Casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-3 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2007

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
2/18/2008	1424	1st	17.95 ft	DRY: (To top of plastic casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Check well OW-1 for artesian flow condition

Date	Time	Quarter	Depth to Water	Comments
2/18/2008	1436	1st	1.75 ft	to top of plastic casing
Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist				

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-10 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on OW-10

Date	Time	Quarter	Depth to Water	Comments
2/18/2008	1405	1st	1.25 ft	To top of plastic casing
Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist				

Signature: _____

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
Groundwater Discharge Permit GW-032
Recovery Well Inspections

Permit Requirement: GW-032

Condition Permit ID # : OCD Sect. 9, Item 4

Monitoring Required: Quarterly measurement of product layer thickness and bailing of product.

Equipment Identification: RW-1, RW-2, RW-5, RW-6

Date of measurement	Time	Quarter	Well #	Depth to Product (ft)	Depth to Water (ft)	Product Level Thickness	Volume of Product Bailed (gallons)
5/21/2008	1410	2nd	**RW-1**	30.40	34.57	4.17	1.39
5/21/2008	1440	2nd	**RW-2**	No Product	27.22	0	
5/21/2008	1420	2nd	**RW-5**	32.77	33.84	1.07	0.14
5/21/2008	1430	2nd	**RW-6**	33.02	34.12	1.1	0.13

Name and Title of person who performed measurement:
Cheryl Johnson (Environmental Specialist)

Signature: _____

CC: Ed Riege

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on GWM-1

Date	Time	Quarter	Depth to Water	Comments
5/21/2008	1340	2nd	19.47 ft	To top of plastic Casing.

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-2 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2008

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
5/21/2008	1345	2ND	18.97 ft	DRY (Top of Plastic Casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-2 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2008

Date	Time	Quarter	Depth to bottom (ft)	Comments (Dry?)
2/18/2008	1412 hrs	1st	18.45	Water (top of Plastic Casing)
3/4/2008	1300 hrs		18.81	To Water
3/5/2008	0900 hrs		18.81	To Water
3/6/2008	0845 hrs		18.82	To Water
3/10/2008	1400 hrs		18.85	To Water
3/11/2008	1325 hrs		18.86	To Water
			18.94	Bailed 181 ml of water. Re-gauged after bailing
3/12/2008	1325 hrs		18.94	To Water
			18.96	Bailed 2 ml of water. Re-gauged after bailing
3/13/2008	1330 hrs		18.96	To Water
				Not enough water to bail.
3/14/2008	1335 hrs		18.96	To Water
				Not enough water to bail.
3/17/2008	1355		18.97	DRY
3/28/2008	1500		18.97	DRY

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-3 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2007

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
5/21/2008	1330	2nd	17.94 ft.	DRY: (To top of plastic casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Check well OW-1 for artesian flow condition

Date	Time	Quarter	Depth to Water	Comments
5/21/2008	1400	2nd	1.75 ft	to top of plastic casing

Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-10 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on OW-10

Date	Time	Quarter	Depth to Water	Comments
5/21/2008	1355	2nd	1.61 ft.	To top of plastic casing

Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
Groundwater Discharge Permit GW-032
Recovery Well Inspections

Permit Requirement: GW-032

Condition Permit ID # : OCD Sect. 9, Item 4

Monitoring Required: Quarterly measurement of product layer thickness and bailing of product.

Equipment Identification: RW-1, RW-2, RW-5, RW-6

Date of measurement	Time	Quarter	Well #	Depth to Product (bt)	Depth to Water (bt)	Product Level Thickness	Volume of Product Bailed (gallons)
9/12/2008	1430	3RD	**RW-1**	30.03	34.59	4.56	Not Bailed
9/12/2008	1445	3RD	**RW-2**	No Product	27.03	0	
9/12/2008	1430	3RD	**RW-5**	32.62	32.85	0.23	0.05
9/12/2008	1435	3RD	**RW-6**	32.12	32.83	0.71	0.09

Name and Title of person who performed measurement:
Cheryl Johnson (Environmental Specialist) RW-5 & 6 bailed by Alvin Dorsey.

RW-1 was not bailed this quarter.

Signature: _____

CC: Ed Riege

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on GWM-1

Date	Time	Quarter	Depth to Water	Comments
7/10/2008	845	3rd	20.23 ft.	To top of plastic Casing. **COLLECTED ANNUAL WATER SAMPLES. pH=6.55; Temp = 13.1˚C, ms = 5.92**
9/10/2008	1350	3RD	20.24 ft.	To top of plastic casing.
Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist				

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-2 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2008

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
9/10/2008	1345	3RD	18.97 ft	DRY (Top of Plastic Casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-3 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2007

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
9/10/2008	1357	3rd	17.95 ft.	DRY: (To top of plastic casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Check well OW-1 for artesian flow condition

Date	Time	Quarter	Depth to Water	Comments
9/10/2008	1335	3RD	1.78 ft	to top of plastic casing
Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist				

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-10 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on OW-10

Date	Time	Quarter	Depth to Water	Comments
9/10/2008	1325	3RD	1.59 ft	To top of plastic casing
Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist				

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
Groundwater Discharge Permit GW-032
Recovery Well Inspections

Permit Requirement: GW-032

Condition Permit ID # : OCD Sect. 9, Item 4

Monitoring Required: Quarterly measurement of product layer thickness and bailing of product.

Equipment Identification: RW-1, RW-2, RW-5, RW-6

Date of measurement	Time	Quarter	Well #	Depth to Product (ft)	Depth to Water (ft)	Product Level Thickness	Volume of Product Bailed (gallons)
11/3/2008	1300	4th	RW-1	30.02	34.63	4.61	0.94
11/3/2008	1420	4th	RW-2	No Product	27.1	0	0.00
11/3/2008	1400	4th	RW-5	31.05	32.34	1.29	0.05
11/3/2008	1435	3RD	RW-6	32.46	32.69	0.23	0.04

Name and Title of person who performed measurement:
Cheryl Johnson (Environmental Specialist)

Signature: _____

CC: Ed Riege

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
GWM-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on GWM-1

Date	Time	Quarter	Depth to Water	Comments
7/10/2008	845	3rd	20.23 ft.	To top of plastic Casing. **COLLECTED ANNUAL WATER SAMPLES. pH=6.55; Temp = 13.1°C, ms = 5.92**
11/10/2008	1345	4th	20.55 ft.	To top of plastic casing.

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY

GROUNDWATER DISCHARGE PERMIT
GWM-2 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2008

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
11/3/2008	1340	4th	19.05 ft	DRY (Top of Plastic Casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY

GROUNDWATER DISCHARGE PERMIT
GWM-3 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 3

Monitoring Requirement: Quarterly Start 2007

Date	Time	Quarter	Depth to bottom	Comments (Dry?)
11/3/2008	1350	4th	18.04 ft	DRY: (To top of plastic casing)

Name & Title of person who performed measurement: Cheryl Johnson / Environmental Specialist

Signature:

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-1 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Check well OW-1 for artesian flow condition

Date	Time	Quarter	Depth to Water	Comments
11/3/2008	1330	4th	2.78 ft	to top of plastic casing
Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist				

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

WESTERN REFINING
GALLUP REFINERY
GROUNDWATER DISCHARGE PERMIT
OW-10 WELL INSPECTION

Permit Requirement: OCD, Section 9, Item 4

Monitoring Requirement: Quarterly water level on OW-10

Date	Time	Quarter	Depth to Water	Comments
11/3/2008	1320	4th	2.04 ft.	To top of plastic casing
Name & Title of person who performed measurement: Cheryl Johnson, Environmental Specialist				

Signature:

CC: Ed Riege

File: (S:)\env-share\Wells OW-1,OW-10 GWM-1 Form

Summary of All EPA/NMED/RCRA Activity

Summary of All
EPA/NMED/RCRA
Activity

Appendix D Summary of All EPA/NMED/RCRA Activity

Benzene Strippers

In 2008, the Gallup Refinery continued its efforts to reduce benzene levels in its wastewater after air stripping to less than 0.5 ppm. This was not achieved consistently. Several modifications to inlet nozzles, piping, and valves were undertaken. Extensive sampling was undertaken – the analytical results of which have been shared with the NMED/HWB and the OCD. Table D.1 summarizes these results:

BENZENE TRACKING - 2008

Highlighted cells are for levels exceeding regulatory limits. Limit is 0.5 ppm.

Date	Benzene Strippers at Lagoons - Inlet Result mg/l	Benzene Strippers at Lagoons - Outlet: Result mg/l
1/10/2008	13	0.8
1/24/2008	4.5	0.54
1/31/2008	22	Blower repaired
2/7/2008	8.3	1.5
2/14/2008	9.0	2.6
2/21/2008	7.2	1.2
2/28/2008	13	2.4
3/6/2008	4.8	0.45
3/11/2008	6.4	0.63
3/20/2008	ns	0.61
3/26/2008	5.2	0.54
4/3/2008	ns	0.68
4/11/2008	9.1	2.0
4/17/2008	7.1	1.6
4/24/2008	4.7	0.38
4/30/2008	7.2	0.7
5/8/2008	6.5	0.64
5/13/2008	4.0	0.78
5/21/2008	8.8	1.2
5/28/2008	8.1	2.1
6/3/2008	4.7	1.1
6/9/2008	4.1	1.1
6/11/2008	4.6	0.69
6/12/2008	4.6	0.56
6/13/2008	4.4	0.39
6/17/2008	7.3	0.81
6/25/2008	15.0	1.6

7/3/2008	7.9	2.3
7/9/2008	4.0	0.74
7/15/2008	3.7	2.2
7/22/2008	3.5	0.48
7/30/2008	4.5	0.53
8/7/2008	3.0	0.082
8/13/2008	4.6	0.12
8/19/2008	22.0	0.66
8/26/2008	5.1	1.5
9/3/2008	2.3	0.19
9/11/2008	6.9	0.49
9/17/2008	10.0	0.95
9/23/2008	8.1	0.9
10/6/2008	10.0	1
10/14/2008	3.4	0.46
10/20/2008	3.3	0.39
11/5/2008	3.1	0.42
11/12/2008	9.4	1.2
11/19/2008	9.8	1.3
11/24/2008	8.1	0.52
12/2/2008	5.2	1.5
12/11/2008	8.2	0.85
12/22/2008	22	1.3
12/30/2008	10	1.7

Benzene Stripper in Process Inlet **Benzene Stripper in Process - Outlet:**

Date	Result mg/l	Result mg/l
1/10/2008	43	<2.5
1/24/2008	28	1.9
1/31/2008	40	1.2
2/7/2008	200	2
2/14/2008	43	0.53
2/21/2008	35	9.1
2/28/2008	27	1
3/6/2008	33	0.52
3/11/2008	25	0.52
3/20/2008	30	0.14
3/26/2008	33	1
4/3/2008	33	1
4/11/2008	29	1.5

	4/17/2008	22		0.13	
	4/24/2008	16		0.22	
	4/30/2008	20		2.1	
	5/8/2008	29		0.17	
	5/13/2008	27		0.11	
	5/21/2008	22		0.14	
	5/28/2008	28		0.15	
	6/3/2008	23		3.3	
	6/9/2008	ns	ns		
	6/11/2008	22		4.6	
	6/12/2008	ns	ns		
	6/13/2008	ns	ns		
	6/17/2008	23		0.93	
	6/25/2008	29		1.9	
	7/3/2008	25		0.77	
	7/9/2008	21		0.85	
	7/15/2008	22		1.1	
	7/23/2008	25		0.93	
	7/30/2008	22		2.8	
	8/7/2008	22		2.2	
	8/13/2008	22		1.9	
	8/19/2008	27		2.2	
	8/26/2008	24		2.2	
	9/3/2008	25		1.9	
	9/11/2008	31		20	
	9/17/2008	28		20	
9/23/2008		25		20	
10/6/2008		***340***		***4.9***	
10/14/2008		***460***		***35***	
10/20/2008		43		3.6	
11/5/2008		32		5.3	
11/12/2008		50		0.91	
	11/19/2008	61		0.38	
	11/24/2008	61		0.15	Method 8260B
	11/24/2008	59		0.52	Method 8021B
	12/2/2008	67		0.38	
	12/4/2008	26		1.3	
	12/22/2008	67		47	

NOTE: The results highlighted in "orange" are highly suspect for two reasons:
1) we found that the stripper needed immediate repair work. At the time of the first suspect sample, this was not clear.
We believe that the samples may have collected excessive sludge and skewed the results.
This sludge is collected during maintenance and shipped off-site based on its characteristics.

2) the output of the Process (3rd) stripper goes to the API and then after recovery of oil the effluent enters another set of strippers; the output of the process stripper contributes approximately 40% of the influent into the Benzene Strippers at the Lagoons after oil recovery.
On 10/14, from the Process Stripper the data have an output of 35 ppm Benzene and an influent into the Lagoon Strippers of 3.4 ppm Benzene -This is not reasonable, as after dilution even by 60% absolutely Benzene-free water (not likely, as other Benzene sources merge), the 35 ppm should have produced an influent of over 8-10 ppm.

The high benzene levels we obtained in these data sets are anomalous. In most other cases, the influent to the Lagoon Strippers is always higher in Benzene than the effluent of the Process Stripper, other than this time.

To improve its benzene removal performance, the Gallup Refinery has also continued efforts to upgrade its wastewater treatment system, and evaluate secondary oil/water separation options after the primary separation in the NAPIS.

Wastewater Treatment System Pilot Study

A pilot study of a Membrane Biooreactor was undertaken. A small-scale unit was leased and operated for several months. Details of this study are as follows:

Figure D.1 presents a schematic of the system, and Figures D.2 and D.3 present photographs of some key components.

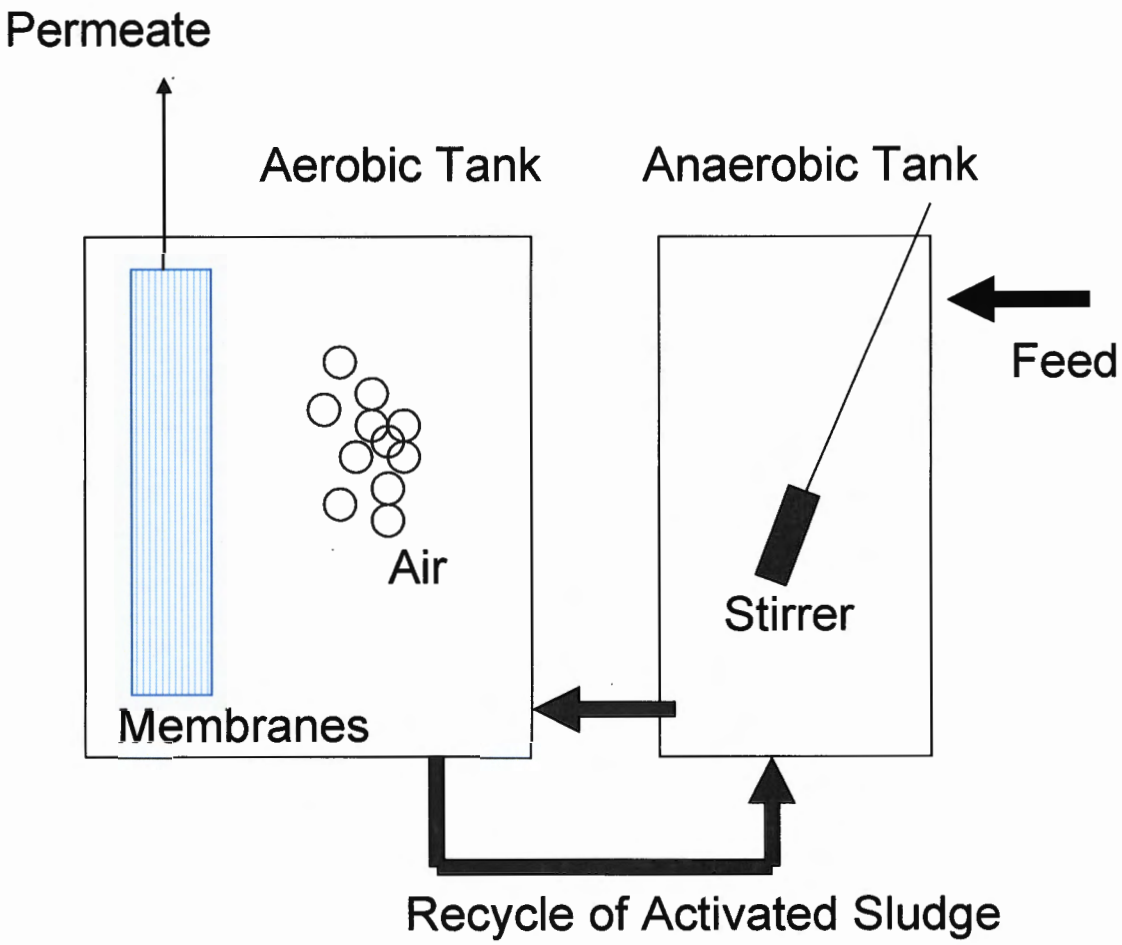

Figure D.1: Schematic of Small-scale Membrane Bioreactor System

Figure D.2: Photograph of the Anaerobic Tank

Figure D.3: Photograph of the Aerobic Tank with Submerged Membrane Filters (lower left of picture)

Operational Procedures

Wastewater from the refinery was collected from the existing aeration lagoon system at the influent pipes. This wastewater was a mixture of the industrial wastewater generated within the refinery, as well as sanitary effluent received from the Pilot Travel Center. Periodic samples of this feed were taken. The feed was collected in three large tanks, and measured amounts of phosphates and other balancing chemicals were added. This feed was then pumped into an anaerobic tank in which it was continually stirred. From the anaerobic tank, the wastewater entered an aerobic tank which had a continuous supply of air pumped into it. We also twice added approximately 5 gallons of sludge from the City of Gallup's wastewater treatment plant to this tank. The wastewater then was filtered through a set of membrane filters that were hanging in the aerobic tank, and permeate was collected for further testing. These membranes had the capability to send a back-pulse of air that kept them free of clogging.

Data and Measurements

Various operational parameters were measured during the study. Among these were pressures and flow rates before and after the back-pulse, pH and temperatures in the various tanks, Dissolved Oxygen levels in the anaerobic and aerobic tanks, and the Dissolved Oxygen Uptake Rate in the aerobic tank. Table D.2 presents the maximum and minimum values for some of these parameters.

Feed and permeate samples were collected and sent to an environmental laboratory for testing, and at various times aerobic tank liquids were also sampled. Table D.3 presents some of these analytical data. All of the analytical data collected will be included in our 2008 Annual Groundwater Report which has a section on all water quality monitoring activities conducted at the Gallup Refinery of Western Refining.

Table D.2: Representative Set of Operational and Other Parameters Measured During the Study

	Feed pH	Permeate pH	Dissolved Oxygen Uptake Rate	Dissolved Oxygen Anaerobic Tank	Dissolved Oxygen Aerobic tank	Temperature Anaerobic tank
			(mg/L.hour)	(mg/L)	(mg/L)	(^{o}C)
Maximum	8.52	8.55	69	10.6	12.63	29.8
Minimum	5.73	6.5	30	0.19	0.76	5

Table D.3: Representative Set of Sampling Data (all units in mg/L unless noted otherwise)

Type of sample	Oil and Grease	Total Phenolics	Ammonia	Total Dissolved Solids	Turbidity (NTU)	Chemical Oxygen Demand	Biochemical Oxygen Demand
Feed	690	17000	600	3200	2300	3440	1288
Permeate	1.2	290	480	3800	Non-detect	1720	765

Oil and Grease and Phenolics were dramatically reduced as is clear in Table 2. However, Ammonia levels did not drop considerably. Figure 4 depicts a graph comparing Ammonia levels in the Feed and the Permeate. Figure 5 depicts reductions in Chemical Oxygen Demand; and Figure 6 depicts reductions in Biochemical Oxygen Demand. These measures of water quality were markedly improved.

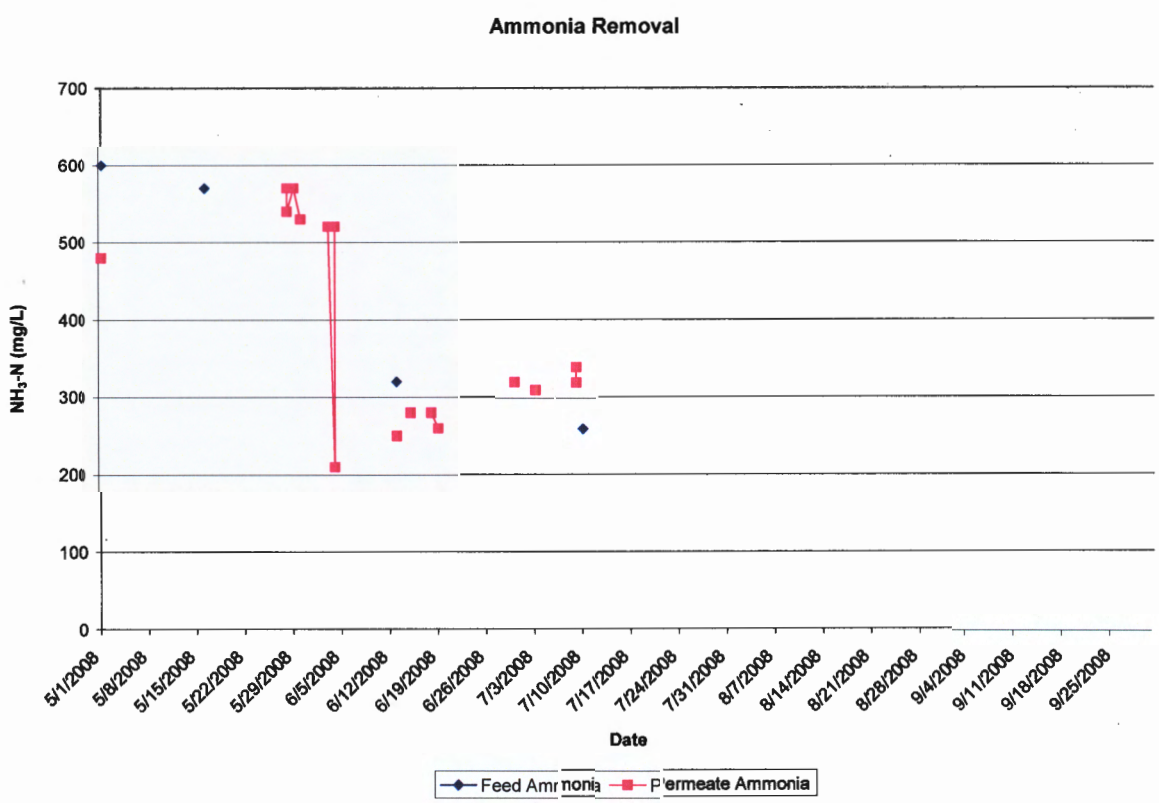

Figure D.4: Graph of Ammonia Levels in the Feed and Permeate

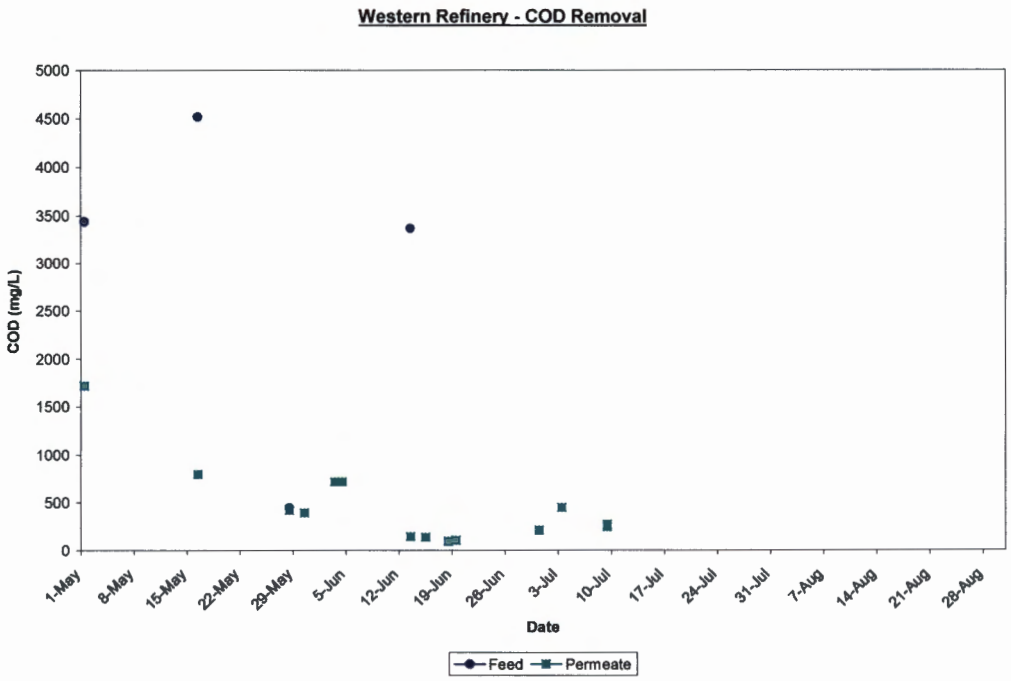

Figure D.5: Graph of Chemical Oxygen Demand Levels in the Feed and Permeate

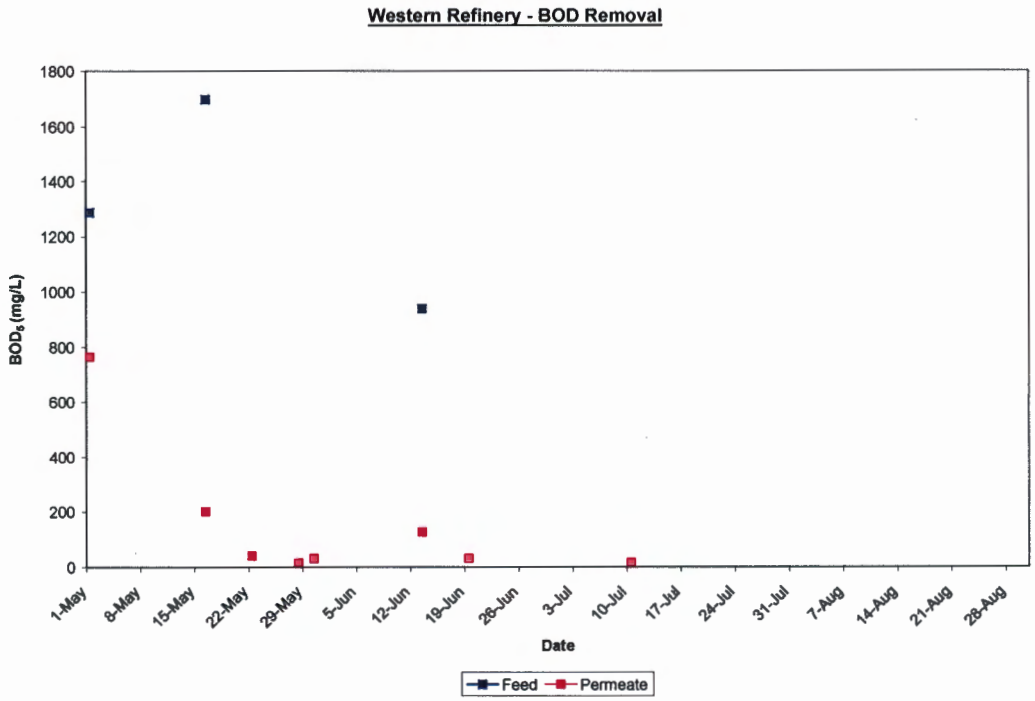

Figure D.6: Graph of Biochemical Oxygen Demand Levels in the Feed and Permeate

Conclusions

The results of the MBR study did not favor proceeding forward with a larger scale system. What became readily apparent through the course of the study was that the refinery wastewater would need secondary treatment for the bioreactor to be effective. Currently the refinery wastewater only undergoes primary gravity-based oil-water separation in an API Separator.

There was a fear of the membrane filtration system being clogged by the oil in the refinery wastewater. This fear was expressed by GE representatives when we suggested spiking the feed with oil. We also had at various times the bacteria in the anaerobic and aerobic tanks suffer a loss of productivity – this was from a die-off caused by system malfunctions, such as clogged switches, failed pumps, ruptured tubing, all of which could be traced to the levels of oil and grease and other solids in the wastewater that the MBR system was not optimized to treat..

We realized that the MBR system would probably be most effective in a non-refinery setting. To make it effective for our applications, we would need more oil-water separation, better screening and pre-filtration to protect the membranes.

We also found from a survey of the refining industry that MBRs are not in use at refineries to treat wastewater, but are in some use at refineries for treating process water. A recent survey of new technologies for refinery wastewater by a Task Force made up of Purdue University's Calumet Water Institute and Argonne National Laboratory[1] reached these conclusions regarding MBRs in a refinery setting -

"The effectiveness, small footprint, and high effluent quality of MBR technologies are counterbalanced by higher costs, higher energy use, waste generation, and still unresolved fouling issues that may provide inconsistent performance and reliability. Although their use in treating refinery wastewater is currently limited, significant interest in MBR technologies is growing in the refinery sector because they promise to achieve advanced effluent quality for ammonia, TSS, and many other effluent parameters. This interest reflects the significant growth and increasing efficiency of MBRs worldwide. More testing of these technologies will be needed to understand and optimize their performance under specific loading rates, their energy lifecycle inputs, their overall cost-effectiveness in real application scenarios, and the generation of secondary waste. Just as importantly, more testing will be needed to understand their ability to provide integrated treatment by removing other refinery pollutants and heavy metals at the required levels."

Based on this study, a new set of sampling data were gathered, process design conditions established, and a process design report for an upgrade to the WWTS was initiated.

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[1] http://www.calumet.purdue.edu/pwi/emergtech/Phase%20I%20Final%20Report_10202008.pdf

Study of Sludge in Aeration Lagoons and Evaporation Pond-1

Trihydro conducted a sediment sampling study of sludge in Aeration Lagoons 1 and 2 and Evaporation Pond 1. The results of this effort were used to help develop a closure plan for the aeration lagoons, which was planned to be submitted to the NMED/HWB in 2009.

Railroad Rack Lagoon Fan-out Area

An investigation report was prepared and submitted to the NMED/HWB for the Railroad Rack Lagoon Fan-out Area. Subsequently, an excavation plan was developed, submitted to the NMED/HWB and approved for implementation. This work is scheduled for completion in 2009.

Tank 101-102 Seep Study

A seep was discovered along the hillsides west of Crude Tanks 101-102. It was not clear where the seep came from – possible sources were liquid emanating from the tanks, precipitation, leaks from a firewater pipeline. A trench was dug at the seep location to be able to gather more liquids. The trench did not gather extensive liquids and has subsequently stopped. A sample of the sludge at the bottom of the trench was collected and analyzed. A copy of this laboratory is provided in this Appendix. The levels of hydrocarbons were below regulatory concern – the DRO were at 100 ppm; the NMED's TPH screening level for soils for unknown oils is 200 ppm; and the GROP were at 27 ppm also well below the NMED's TPH screening level for unknown oils of 200 ppm. Other hydrocarbons were also below regulatory concern. The major reason for this study was to determine whether the seep is directly related to Tanks 101-102. It appears that this is not the case – rather, we believe that any hydrocarbons that are being found at low levels in soils in this area are from the past and not from ongoing activities. These will be addressed in the future closure of the Tank Farm Solid Waste Management Unit.

Land Treatment Area and Land Farms

Inspections of the Land Treatment Area were conducted and sampling of land farms soils and subsurface conducted – no releases were found. Regular tilling of the land farms was conducted, except when rain made the ground too wet to plow, or the tractor was out of service.

RCRA-90 Day Pad and Bundle Cleaning Pad Inspections

Inspections were ongoing. Examples of the records kept are attached.

WESTERN REFINING – Gallup Refinery

Jamestown, NM

OCD DISCHARGE PERMIT GW-032

DAILY DRAINAGE INSPECTION

1. ✓ Check water in dike at marketing tank area.
2. ✓ Concrete barrier west of crude tanks.
3. ✓ API Separator area general appearance
4. ✓ Benzene stripper area condition.
5. ✓ Aeration lagoons and aerator pumps.. Temp _____ °F V_____
6. ✓ Pond 1 general appearance.
7. ✓ Pond 10 water flow in and out. Temp 56.2 °F V .06u
8. Ok Ditch out of Pond 10 to runway.
9. ✓ Ditch from north of runway to Pond 9.
10. ✓ Valves and pond levels on Ponds 12 thru 7
11. ✓ Valves and pond levels on Ponds 3 thru 9.

RAIN GAUGE = 0

FREEBOARD ON PONDS.

#2 1'9u	#6 0u	#12A Bu
#3 1'9u	#8 Bu	#12b 1'3u
#4 1'9u	#7 Bu	#9 1'1u
#5 1'9u	#11 Bu	

BI-WEEKLY: TILL/DISC OF OCD LANDFARM(S): _____

DATE / SIGNATURE

DATE INSPECTED: 12-4-08 INSPECTED BY: T. Lang

COMMENTS: OCD snow pack muddy

WESTERN REFINING – Gallup Refinery

Jamestown, NM

OCD DISCHARGE PERMIT GW-032

DAILY DRAINAGE INSPECTION

1. _____ Check water in dike at marketing tank area.
2. _____ Concrete barrier west of crude tanks.
3. _____ API Separator area general appearance
4. _____ Benzene stripper area condition.
5. _____ Aeration lagoons and aerator pumps.. Temp _____ °F V_____
6. _____ Pond 1 general appearance.
7. _____ Pond 10 water flow in and out. Temp 102 °F V Ok
8. _____ Ditch out of Pond 10 to runway.
9. _____ Ditch from north of runway to Pond 9.
10. _____ Valves and pond levels on Ponds 12 thru 7
11. _____ Valves and pond levels on Ponds 3 thru 9.

RAIN GAUGE = _____

FREEBOARD ON PONDS.

#2 18"	#6 Ok	#12A
#3 1'9"	#8	#12b
#4 1'9"	#7	#9
#5 1'9"	#11	

BI-WEEKLY: TILL/DISC OF OCD LANDFARM(S): Disking or Plowing is due on OCD

DATE / SIGNATURE

DATE INSPECTED: 11/13/08 INSPECTED BY: _____

COMMENTS: _____

WESTERN REFINING – Gallup Refinery

Jamestown, NM

OCD DISCHARGE PERMIT GW-032

DAILY DRAINAGE INSPECTION

1. _____ Check water in dike at marketing tank area.
2. _____ Concrete barrier west of crude tanks.
3. _____ API Separator area general appearance
4. _____ Benzene stripper area condition.
5. _____ Aeration lagoons and aerator pumps.. Temp _____ °F V_____
6. _____ Pond 1 general appearance.
7. _____ Pond 10 water flow in and out. Temp 78 °F V 0Le"
8. _____ Ditch out of Pond 10 to runway.
9. _____ Ditch from north of runway to Pond 9.
10. _____ Valves and pond levels on Ponds 12 thru 7
11. _____ Valves and pond levels on Ponds 3 thru 9.

RAIN GAUGE = 0

FREEBOARD ON PONDS.

#2 1'6"	#6 0le	#12A Ben
#3 1'8"	#8 Ble	#12b 1'3"
#4 1'9"	#7 Ben	#9 1'4"
#5 1'9"	#11 Ben	

BI-WEEKLY: TILL/DISC OF OCD LANDFARM(S): 10/29/08 _____

DATE / SIGNATURE

DATE INSPECTED: 10/29/08 INSPECTED BY: _____

COMMENTS: _____

WESTERN REFINING – Gallup Refinery

Jamestown, NM

OCD DISCHARGE PERMIT GW-032

DAILY DRAINAGE INSPECTION

1. _____ Check water in dike at marketing tank area.
2. _____ Concrete barrier west of crude tanks.
3. _____ API Separator area general appearance
4. _____ Benzene stripper area condition.
5. _____ Aeration lagoons and aerator pumps.. Temp _____ °F V_____
6. _____ Pond 1 general appearance.
7. o/c _____ Pond 10 water flow in and out. Temp 70° °F V .06"
8. _____ Ditch out of Pond 10 to runway.
9. _____ Ditch from north of runway to Pond 9.
10. _____ Valves and pond levels on Ponds 12 thru 7
11. _____ Valves and pond levels on Ponds 3 thru 9.

RAIN GAUGE = 0

FREEBOARD ON PONDS.

#2 1'8"	#6 0 W	#12A Bm
#3 1'2"	#8 2'	#12b 1'3"
#4 1'8"	#7 Bm	#9 1'1"
#5 1'	#11 Bm	

BI-WEEKLY: TILL/DISC OF OCD LANDFARM(S): ~~[illegible]~~ Started Plowing OCD

DATE / SIGNATURE

DATE INSPECTED: 9-24-08 INSPECTED BY: _____

COMMENTS: _____

WESTERN REFINING – Gallup Refinery

Jamestown, NM

OCD DISCHARGE PERMIT GW-032

DAILY DRAINAGE INSPECTION

1. _____ Check water in dike at marketing tank area.
2. _____ Concrete barrier west of crude tanks.
3. _____ API Separator area general appearance
4. _____ Benzene stripper area condition.
5. _____ Aeration lagoons and aerator pumps.. Temp _____ °F V_____
6. _____ Pond 1 general appearance.
7. ✓ Pond 10 water flow in and out. Temp 68° °F V 0 Le"
8. _____ Ditch out of Pond 10 to runway.
9. _____ Ditch from north of runway to Pond 9.
10. _____ Valves and pond levels on Ponds 12 thru 7
11. _____ Valves and pond levels on Ponds 3 thru 9.

RAIN GAUGE = 0

FREEBOARD ON PONDS.

#2 1'8"	#6 OK	#12A Bm
#3 1'8"	#8 Bm	#12b 1'9"
#4 1'9"	#7 Bm	#9 1'
#5 1'9"	#11 Bm	

BI-WEEKLY: TILL/DISC **OF OCD LANDFARM(S):** 9-8-08 _____ **DATE / SIGNATURE**

DATE INSPECTED: 9-8-08 INSPECTED BY: _____

COMMENTS: _____

WESTERN REFINING – Gallup Refinery

Jamestown, NM

OCD DISCHARGE PERMIT GW-032

DAILY DRAINAGE INSPECTION

1. _____ Check water in dike at marketing tank area.
2. _____ Concrete barrier west of crude tanks.
3. _____ API Separator area general appearance
4. _____ Benzene stripper area condition.
5. _____ Aeration lagoons and aerator pumps.. Temp _____ °F V_____
6. _____ Pond 1 general appearance.
7. _____ Pond 10 water flow in and out. Temp 71° °F V .07"
8. _____ Ditch out of Pond 10 to runway.
9. _____ Ditch from north of runway to Pond 9.
10. _____ Valves and pond levels on Ponds 12 thru 7
11. _____ Valves and pond levels on Ponds 3 thru 9.

RAIN GAUGE = 0

FREEBOARD ON PONDS.

#2 1'6"	#6 0"	#12A Bu
#3 1'6"	#8 Bu	#12b 1'8"
#4 1'8"	#7 Bu	#9 .07"
#5 1'8"	#11 Bu	

BI-WEEKLY: TILL/DISC OF OCD LANDFARM(S): _____

DATE / SIGNATURE

DATE INSPECTED: 8-20-08 INSPECTED BY: [signature]

COMMENTS: Trac in Shop

Date 7-25-08
Initials TW

DAILY DRAINAGE INSPECTION

1. _____ CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. _____ CONCRETE BARRIER WEST OF CRUDE TANKS.
3. _____ API SEPARATOR AREA GENERAL APPEARANCE.
4. _____ BENZENE STRIPPER AREA CONDITION.
5. _____ AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. _____ POND ONE GENERAL APPEARANCE.
7. _____ POND 10 WATER FLOW IN AND OUT. Temp LeV .07"
8. OK DITCH OUT OF POND 10 TO RUNWAY
9. _____ DITCH FROM NORTH OF RUNWAY TO POND 9
10. _____ VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. _____ VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge .003

Freeboard on Ponds:

#2 1'8"	#6 ok	#12a Bk
#3 1'6"	#8 Bk	#12b 1'3"
#4 1'8"	#7 Bk	#9 .07"
#5 .08"	#11 Bk	

Monthly tilling of OCD landfarm _____ **Date** _____ **Signed**

Tractor in shop.

sm/c:/word/envforms/dailydrainage/revision 08/24/2004

Date 6-6-08
Initials Jec

DAILY DRAINAGE INSPECTION

1. _____ CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. _____ CONCRETE BARRIER WEST OF CRUDE TANKS.
3. _____ API SEPARATOR AREA GENERAL APPEARANCE.
4. _____ BENZENE STRIPPER AREA CONDITION.
5. _____ AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. _____ POND ONE GENERAL APPEARANCE.
7. _____ POND 10 WATER FLOW IN AND OUT. Temp 60° V 1"
8. _____ DITCH OUT OF POND 10 TO RUNWAY
9. _____ DITCH FROM NORTH OF RUNWAY TO POND 9
10. _____ VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. _____ VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge 0

Freeboard on Ponds:

#2 1'4"	#6 OK	#12a BM
#3 1'6"	#8 BM	#12b 1'9"
#4 1'8"	#7 BM	#9 OK"
#5 1'2"	#11 BM	

Monthly tilling of OCD landfarm Disk **Date** 6-6-08 **Signed**

sm/c:/word/envforms/dailydrainage/revision 08/24/2004

Date 5-2-08
Initials Tee

DAILY DRAINAGE INSPECTION

1. _____ CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. _____ CONCRETE BARRIER WEST OF CRUDE TANKS.
3. _____ API SEPARATOR AREA GENERAL APPEARANCE.
4. _____ BENZENE STRIPPER AREA CONDITION.
5. _____ AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. _____ POND ONE GENERAL APPEARANCE.
7. _____ POND 10 WATER FLOW IN AND OUT. Temp 51° V 6.5"
8. 6 _____ DITCH OUT OF POND 10 TO RUNWAY
9. _____ DITCH FROM NORTH OF RUNWAY TO POND 9
10. _____ VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. _____ VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge 0

Freeboard on Ponds:

#2 1'6"	#6 OK	#12a BM
#3 1'3"	#8 1'4"	#12b 1'
#4 1'6"	#7 2'4"	#9 1"
#5 1'	#11 2'5"	

Monthly tilling of OCD landfarm _____ **Date** _____ **Signed**

Will do plowing in the Month of May

sm/c:/word/envforms/dailydrainage/revision 08/24/2004

Date 4-3-08
Initials TAC

DAILY DRAINAGE INSPECTION

1. ok CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. ok CONCRETE BARRIER WEST OF CRUDE TANKS.
3. ok API SEPARATOR AREA GENERAL APPEARANCE.
4. ok BENZENE STRIPPER AREA CONDITION.
5. ok AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. ok POND ONE GENERAL APPEARANCE.
7. ok POND 10 WATER FLOW IN AND OUT. Temp___V 7"
8. ok DITCH OUT OF POND 10 TO RUNWAY
9. ok DITCH FROM NORTH OF RUNWAY TO POND 9
10. ok VALVES AND POND LEVELS ON PONDS 12 THRU 7 Check valves for obstruction
11. ok VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge 0

Pond #12 Dike show bad erosion on SE end.

Freeboard on Ponds:

Pond #5 shows seepage on Dike

#2 1'7"	#6 ok	#12a Dike
#3 1'1"	#8 1'	#12b 1'2"
#4 1'6"	#7 3'2"	#9 .05" ok
#5 1'	#11 2'3"	

Monthly tilling of OCD landfarm 4-3-08 **Date** _____ **Signed**

Final

sm/c:/word/envforms/dailydrainage/revision 08/24/2004

Date 4-2-08
Initials TL

DAILY DRAINAGE INSPECTION

1. ok CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. ok CONCRETE BARRIER WEST OF CRUDE TANKS.
3. ok API SEPARATOR AREA GENERAL APPEARANCE.
4. ok BENZENE STRIPPER AREA CONDITION.
5. ok AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. ok POND ONE GENERAL APPEARANCE.
7. ok POND 10 WATER FLOW IN AND OUT. Temp___V 65"
8. ok DITCH OUT OF POND 10 TO RUNWAY
9. ok DITCH FROM NORTH OF RUNWAY TO POND 9
10. ok VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. ok VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge ✓ Pond #1 Le Bed Thru SE End

Freeboard on Ponds: Pond #5 – clean scraping of Dike

#2 1'9"	#6 Ok	#12a 75
#3 1'1"	#8 1'	#12b 1'2"
#4 1½"	#7 1'2"	#9 .05" Ok
#5 1'	#11 2'3"	

Monthly tilling of OCD landfarm 4-2-08 **Date** _____ **Signed** _____

Started

sm/c:/word/envforms/dailydrainage/revision 08/24/2004

Date 3-31-08
Initials T.L

DAILY DRAINAGE INSPECTION

1. ok CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. ok CONCRETE BARRIER WEST OF CRUDE TANKS.
3. ok API SEPARATOR AREA GENERAL APPEARANCE.
4. ok BENZENE STRIPPER AREA CONDITION.
5. ok AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. ok POND ONE GENERAL APPEARANCE.
7. ok POND 10 WATER FLOW IN AND OUT. Temp___V 4.5"
8. ok DITCH OUT OF POND 10 TO RUNWAY
9. ok DITCH FROM NORTH OF RUNWAY TO POND 9
10. ok VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. ok VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge 0

Freeboard on Ponds:

#2 1'6"	#6 Dry	#12a Bam
#3 1'3"	#8 1'	#12b 1' 1.5"
#4 1'6"	#7 3'3"	#9 .05" Dry
#5 10"	#11 2'3"	

Monthly tilling of OCD landfarm _____ **Date** _____ **Signed**

will try to tilling in the Month of April, Weather Permits.

sm/c:/word/envforms/dailydrainage/revision 08/24/2004

Date 3.14-08
Initials Tee

DAILY DRAINAGE INSPECTION

1. _____ CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. _____ CONCRETE BARRIER WEST OF CRUDE TANKS.
3. _____ API SEPARATOR AREA GENERAL APPEARANCE.
4. _____ BENZENE STRIPPER AREA CONDITION.
5. _____ AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. ok _____ POND ONE GENERAL APPEARANCE.
7. _____ POND 10 WATER FLOW IN AND OUT. Temp___V___
8. _____ DITCH OUT OF POND 10 TO RUNWAY
9. _____ DITCH FROM NORTH OF RUNWAY TO POND 9
10. _____ VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. _____ VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge 0

Freeboard on Ponds:

#2 1'6"	#6 Ok	#12a Bk
#3 1' 1.5"	#8 10"	#12b 1' 3"
#4 1'5"	#7 3' 1"	#9 2.5" Ok
#5 1'	#11 2' 1"	(Submerge)

Monthly tilling of OCD landfarm _____ **Date** _____ **Signed**

still wet ~~(soil)~~ (Soil)

sm/c:/word/envforms/dailydrainage/revision 08/24/2004

Date 2-29-08
Initials T.L.

DAILY DRAINAGE INSPECTION

1. _____ CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. _____ CONCRETE BARRIER WEST OF CRUDE TANKS.
3. _____ API SEPARATOR AREA GENERAL APPEARANCE.
4. _____ BENZENE STRIPPER AREA CONDITION.
5. _____ AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. _____ POND ONE GENERAL APPEARANCE.
7. _____ POND 10 WATER FLOW IN AND OUT. Temp 39° V___
8. _____ DITCH OUT OF POND 10 TO RUNWAY
9. _____ DITCH FROM NORTH OF RUNWAY TO POND 9
10. _____ VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. _____ VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge 0

Freeboard on Ponds:

#2 1'½"	#6 DM	#12a DM
#3 1'2"	#8 9"	#12b 1'½"
#4 1'½"	#7 3' 1"	#9 2" above Marker
#5 Dike 1' Scraping	#11 2'	(submerge)

Towel for Plow

Monthly tilling of OCD landfarm _____ **Date** _____ **Signed**

Date 01-28-08
Initials BM

DAILY DRAINAGE INSPECTION

1. OK CHECK WATER IN DIKE AT MARKETING TANK AREA.
2. ✓ CONCRETE BARRIER WEST OF CRUDE TANKS.
3. ✓ API SEPARATOR AREA GENERAL APPEARANCE.
4. ✓ BENZENE STRIPPER AREA CONDITION.
5. ✓ AERATION LAGOONS AND AERATOR PUMPS. Temp.___V___
6. ✓ POND ONE GENERAL APPEARANCE.
7. ✓ POND 10 WATER FLOW IN AND OUT. Temp 32 V 6"
8. ✓ DITCH OUT OF POND 10 TO RUNWAY
9. ✓ DITCH FROM NORTH OF RUNWAY TO POND 9
10. ✓ VALVES AND POND LEVELS ON PONDS 12 THRU 7
11. ✓ VALVES AND POND LEVELS ON PONDS 3 THRU 9

Rain Gauge 1"

Freeboard on Ponds:

#2 1'5"	#6 DM	#12a BM
#3 1'3"	#8 BM	#12b 1'2"
#4 1'3"	#7 3'4"	#9 1'5"
#5 1'5"	#11 2'5"	

Too wet to Plow

Monthly tilling of OCD landfarm _____ **Date** _____ **Signed**

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, January 05, 2009

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: OCD Landfarms Soil Samples December 2008

Order No.: 0812512

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 10 sample(s) on 12/24/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

Hall Environmental Analysis Laboratory, Inc. **Date:** *05-Jan-09*

CLIENT: Western Refining Southwest, Gallup
Project: OCD Landfarms Soil Samples December 2008
Lab Order: 0812512

CASE NARRATIVE

Analytical Comments for METHOD 8015DRO_S, SAMPLE 0812512-09A: DNOP not recovered due to dilution Analytical Comments for METHOD 8015DRO_S, SAMPLE 0812512-10A: DNOP not recovered due to dilution Analytical Comments for METHOD 8015GRO_S, SAMPLE 0812512-10A: dilution necessary for foamy nature of sample

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Central LF Cell 29
Lab Order:	0812512	**Collection Date:**	12/22/2008 9:00:00 AM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	93.4	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 1:49:22 AM
Surr: BFB	91.3	58.8-123		%REC	1	1/1/2009 1:49:22 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 1:49:22 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 1:49:22 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 1:49:22 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 1:49:22 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 1:49:22 AM
Surr: 4-Bromofluorobenzene	93.7	66.8-139		%REC	1	1/1/2009 1:49:22 AM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	440	3.0		mg/Kg	10	12/31/2008 7:08:16 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level
E	Estimated value
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
S	Spike recovery outside accepted recovery limits
B	Analyte detected in the associated Method Blank
H	Holding times for preparation or analysis exceeded
MCL	Maximum Contaminant Level
RL	Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Central LF Cell 91
Lab Order:	0812512	**Collection Date:**	12/22/2008 9:45:00 AM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	93.9	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 2:19:39 AM
Surr: BFB	85.9	58.8-123		%REC	1	1/1/2009 2:19:39 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 2:19:39 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 2:19:39 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 2:19:39 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 2:19:39 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 2:19:39 AM
Surr: 4-Bromofluorobenzene	85.4	66.8-139		%REC	1	1/1/2009 2:19:39 AM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	1900	6.0		mg/Kg	20	12/31/2008 7:25:41 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0812512
Project: OCD Landfarms Soil Samples December 2008
Lab ID: 0812512-03

Client Sample ID: Central LF Cell 94
Collection Date: 12/22/2008 10:30:00 AM
Date Received: 12/24/2008
Matrix: SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	95.8	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 6:22:10 AM
Surr: BFB	87.2	58.8-123		%REC	1	1/1/2009 6:22:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 6:22:10 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 6:22:10 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 6:22:10 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 6:22:10 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 6:22:10 AM
Surr: 4-Bromofluorobenzene	88.2	66.8-139		%REC	1	1/1/2009 6:22:10 AM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	190	3.0		mg/Kg	10	12/30/2008 3:26:58 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Central LF Cell 110
Lab Order:	0812512	**Collection Date:**	12/22/2008 11:30:00 AM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	96.9	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 6:52:25 AM
Surr: BFB	89.5	58.8-123		%REC	1	1/1/2009 6:52:25 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 6:52:25 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 6:52:25 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 6:52:25 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 6:52:25 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 6:52:25 AM
Surr: 4-Bromofluorobenzene	90.2	66.8-139		%REC	1	1/1/2009 6:52:25 AM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	650	3.0		mg/Kg	10	12/31/2008 7:43:05 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NE-LF Cell 25
Lab Order:	0812512	**Collection Date:**	12/23/2008 9:00:00 AM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-05	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	81.0	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 7:22:43 AM
Surr: BFB	85.5	58.8-123		%REC	1	1/1/2009 7:22:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 7:22:43 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 7:22:43 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 7:22:43 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 7:22:43 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 7:22:43 AM
Surr: 4-Bromofluorobenzene	84.4	66.8-139		%REC	1	1/1/2009 7:22:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	67	3.0		mg/Kg	10	12/30/2008 4:36:37 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NE-LF Cell 58
Lab Order:	0812512	**Collection Date:**	12/23/2008 9:30:00 AM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-06	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	95.0	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 7:53:06 AM
Surr: BFB	84.2	58.8-123		%REC	1	1/1/2009 7:53:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 7:53:06 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 7:53:06 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 7:53:06 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 7:53:06 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 7:53:06 AM
Surr: 4-Bromofluorobenzene	83.1	66.8-139		%REC	1	1/1/2009 7:53:06 AM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	110	0.30		mg/Kg	1	12/30/2008 4:54:02 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NE-LF Cell 113
Lab Order:	0812512	**Collection Date:**	12/23/2008 10:00:00 AM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-07	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	74.0	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 8:23:40 AM
Surr: BFB	80.3	58.8-123		%REC	1	1/1/2009 8:23:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 8:23:40 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 8:23:40 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 8:23:40 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 8:23:40 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 8:23:40 AM
Surr: 4-Bromofluorobenzene	77.6	66.8-139		%REC	1	1/1/2009 8:23:40 AM
EPA METHOD 300.0: ANIONS						Analyst: **RAGS**
Chloride	86	3.0		mg/Kg	10	12/30/2008 5:11:26 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NE-LF Cell 148
Lab Order:	0812512	**Collection Date:**	12/23/2008 10:30:00 AM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-08	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/30/2008
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/30/2008
Surr: DNOP	94.5	61.7-135		%REC	1	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/1/2009 8:54:01 AM
Surr: BFB	82.1	58.8-123		%REC	1	1/1/2009 8:54:01 AM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Methyl tert-butyl ether (MTBE)	ND	0.10		mg/Kg	1	1/1/2009 8:54:01 AM
Benzene	ND	0.050		mg/Kg	1	1/1/2009 8:54:01 AM
Toluene	ND	0.050		mg/Kg	1	1/1/2009 8:54:01 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/1/2009 8:54:01 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/1/2009 8:54:01 AM
Surr: 4-Bromofluorobenzene	80.1	66.8-139		%REC	1	1/1/2009 8:54:01 AM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	140	3.0		mg/Kg	10	12/31/2008 8:00:30 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NE-TZ
Lab Order:	0812512	**Collection Date:**	12/23/2008 1:30:00 PM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-09	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	76	10		mg/Kg	1	1/5/2009
Motor Oil Range Organics (MRO)	64	50		mg/Kg	1	1/5/2009
Surr: DNOP	99.6	61.7-135		%REC	1	1/5/2009
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/2/2009 12:43:30 PM
Surr: BFB	87.1	58.8-123		%REC	1	1/2/2009 12:43:30 PM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	280	3.0		mg/Kg	10	12/31/2008 8:17:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Central TZ
Lab Order:	0812512	**Collection Date:**	12/23/2008 2:30:00 PM
Project:	OCD Landfarms Soil Samples December 2008	**Date Received:**	12/24/2008
Lab ID:	0812512-10	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: SCC
Diesel Range Organics (DRO)	3400	500		mg/Kg	50	12/30/2008
Motor Oil Range Organics (MRO)	ND	2500		mg/Kg	50	12/30/2008
Surr: DNOP	0	61.7-135	S	%REC	50	12/30/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	10		mg/Kg	2	1/2/2009 1:13:56 PM
Surr: BFB	88.5	58.8-123		%REC	2	1/2/2009 1:13:56 PM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	220	3.0		mg/Kg	10	12/31/2008 8:35:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Landfarms Soil Samples December 2008

Work Order: 0812512

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB-17971		*MBLK*			Batch ID:	17971	Analysis Date:	12/30/2008 1:25:06 PM	
Chloride	ND	mg/Kg	0.30						
Sample ID: LCS-17971		*LCS*			Batch ID:	17971	Analysis Date:	12/30/2008 1:42:30 PM	
Chloride	15.29	mg/Kg	0.30	102	90	110			
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-17952		*MBLK*			Batch ID:	17952	Analysis Date:	12/30/2008	
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-17952		*LCS*			Batch ID:	17952	Analysis Date:	12/30/2008	
Diesel Range Organics (DRO)	43.27	mg/Kg	10	86.5	64.6	116			
Sample ID: LCSD-17952		*LCSD*			Batch ID:	17952	Analysis Date:	12/30/2008	
Diesel Range Organics (DRO)	43.19	mg/Kg	10	86.4	64.6	116	0.192	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: MB-17946		*MBLK*			Batch ID:	17946	Analysis Date:	12/31/2008 7:14:09 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Method: EPA Method 8021B: Volatiles									
mple ID: 0812512-05A MSD		*MSD*			Batch ID:	17946	Analysis Date:	1/1/2009 3:20:22 AM	
Methyl tert-butyl ether (MTBE)	0.9938	mg/Kg	0.10	99.4	67.9	135	0.504	28	
Benzene	0.9089	mg/Kg	0.050	90.9	78.8	132	3.00	27	
Toluene	1.028	mg/Kg	0.050	103	78.9	112	3.45	19	
Ethylbenzene	1.074	mg/Kg	0.050	107	69.3	125	4.00	10	
Xylenes, Total	3.213	mg/Kg	0.10	107	73	128	5.08	13	
Sample ID: MB-17946		*MBLK*			Batch ID:	17946	Analysis Date:	12/31/2008 7:14:09 PM	
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.10						
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: 0812512-05A MS		*MS*			Batch ID:	17946	Analysis Date:	1/1/2009 2:49:58 AM	
Methyl tert-butyl ether (MTBE)	0.9888	mg/Kg	0.10	98.9	67.9	135			
Benzene	0.8820	mg/Kg	0.050	88.2	78.8	132			
Toluene	0.9935	mg/Kg	0.050	99.4	78.9	112			
Ethylbenzene	1.032	mg/Kg	0.050	103	69.3	125			
Xylenes, Total	3.054	mg/Kg	0.10	102	73	128			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 12/24/2008

Work Order Number 0812512

Received by: AT

Sample ID labels checked by: KS
Initials

Checklist completed by: 12/24/08
Signature Date

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted	☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	3°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Company - Gallup

Mailing Address: Route 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505722 0210

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

☐ Other _____

☐ EDD (Type) _____

Turn-Around Time:

☒ Standard ☐ Rush _____

Project Name: OCD Landfarms Soil Samples December 2008

Project #:

Project Manager: Gamar Rajen

Sampler: Steve Morris

On Ice: ☒ Yes ☐ No

Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0812254-2	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
12-22-08	0900	Soil	Central LF Cell 29			-1	X		X					X								
"	0945	"	Central LF Cell 91			-2	X		X					X								
"	1030	"	Central LF Cell 94			-3	X		X					X								
"	1130	"	Central LF Cell 110			-4	X		X					X								
12-23-08	0900	"	NE-LF Cell 25			-5	X		X					X								
"	0930	"	NE-LF Cell 58			-6	X		X					X								
"	1000	"	NE-LF Cell 113			-7	X		X					X								
"	1030	"	NE-LF Cell 148			-8	X		X					X								
"	1330	"	NE-TZ			-9			X					X								
"	1430	"	Central TZ			-10			X					X								

Date:	Time:	Relinquished by:	Received by:	Date	Time	Remarks:
12-24-08	0930	Steve Morris	[signature]	12/24/08	0930	
Date:	Time:	Relinquished by:	Received by:	Date	Time	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, May 09, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Upper Seep Tank 101-102

Order No.: 0804304

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 4/24/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *09-May-08*

CLIENT: Western Refining Southwest, Gallup
Project: Upper Seep Tank 101-102
Lab Order: 0804304

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_S, SAMPLE 0804304-01A: Elevated surrogate due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *09-May-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Upper Seep Sludge
Lab Order:	0804304	**Collection Date:**	4/23/2008 9:00:00 AM
Project:	Upper Seep Tank 101-102	**Date Received:**	4/24/2008
Lab ID:	0804304-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	100	10		mg/Kg	1	4/29/2008 4:34:38 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/29/2008 4:34:38 PM
Surr: DNOP	99.9	61.7-135		%REC	1	4/29/2008 4:34:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	27	5.0		mg/Kg	1	4/29/2008 2:44:12 AM
Surr: BFB	140	84-138	S	%REC	1	4/29/2008 2:44:12 AM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.10	0.033		mg/Kg	1	5/2/2008 1:35:51 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **TES**
Arsenic	ND	2.5		mg/Kg	1	5/1/2008 12:51:05 PM
Barium	82	0.50		mg/Kg	5	5/1/2008 1:15:25 PM
Cadmium	ND	0.10		mg/Kg	1	5/1/2008 12:51:05 PM
Chromium	6.2	0.30		mg/Kg	1	5/1/2008 12:51:05 PM
Lead	1.0	0.25		mg/Kg	1	5/1/2008 12:51:05 PM
Selenium	ND	2.5		mg/Kg	1	5/1/2008 12:51:05 PM
Silver	ND	0.25		mg/Kg	1	5/1/2008 12:51:05 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Toluene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Ethylbenzene	1.4	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,4-Trimethylbenzene	0.34	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Naphthalene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1-Methylnaphthalene	2.2	0.20		mg/Kg	1	5/5/2008 8:01:19 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	5/5/2008 8:01:19 PM
Acetone	ND	0.75		mg/Kg	1	5/5/2008 8:01:19 PM
Bromobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Bromoform	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Bromomethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
2-Butanone	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Carbon disulfide	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Chlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Chloroethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *09-May-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Upper Seep Sludge
Lab Order:	0804304	**Collection Date:**	4/23/2008 9:00:00 AM
Project:	Upper Seep Tank 101-102	**Date Received:**	4/24/2008
Lab ID:	0804304-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Chloroform	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Chloromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Dibromomethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
2-Hexanone	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Isopropylbenzene	0.19	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
4-Isopropyltoluene	0.077	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Methylene chloride	ND	0.15		mg/Kg	1	5/5/2008 8:01:19 PM
n-Butylbenzene	0.29	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
n-Propylbenzene	0.69	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
sec-Butylbenzene	0.36	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Styrene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *09-May-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Upper Seep Sludge
Lab Order:	0804304	**Collection Date:**	4/23/2008 9:00:00 AM
Project:	Upper Seep Tank 101-102	**Date Received:**	4/24/2008
Lab ID:	0804304-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Vinyl chloride	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Surr: 1,2-Dichloroethane-d4	92.4	68.7-122		%REC	1	5/5/2008 8:01:19 PM
Surr: 4-Bromofluorobenzene	105	79.3-126		%REC	1	5/5/2008 8:01:19 PM
Surr: Dibromofluoromethane	99.0	64.4-119		%REC	1	5/5/2008 8:01:19 PM
Surr: Toluene-d8	95.1	86.5-121		%REC	1	5/5/2008 8:01:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Upper Seep Tank 101-102 **Work Order:** 0804304

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-15754		*MBLK*			Batch ID:	**15754**	Analysis Date:	4/27/2008 11:38:51 AM	
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-15754		*LCS*			Batch ID:	**15754**	Analysis Date:	4/27/2008 12:12:22 PM	
Diesel Range Organics (DRO)	43.77	mg/Kg	10	87.5	64.6	116			
Sample ID: LCSD-15754		*LCSD*			Batch ID:	**15754**	Analysis Date:	4/27/2008 12:46:55 PM	
Diesel Range Organics (DRO)	44.53	mg/Kg	10	89.1	64.6	116	1.74	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: MB-15760		*MBLK*			Batch ID:	**15760**	Analysis Date:	4/28/2008 10:41:06 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-15760		*LCS*			Batch ID:	**15760**	Analysis Date:	4/28/2008 10:11:03 PM	
Gasoline Range Organics (GRO)	25.85	mg/Kg	5.0	94.0	69.5	120			
Method: EPA Method 7471: Mercury									
Sample ID: MB-15824		*MBLK*			Batch ID:	**15824**	Analysis Date:	5/2/2008 1:29:29 PM	
Mercury	ND	mg/Kg	0.033						
Sample ID: LCS-15824		*LCS*			Batch ID:	**15824**	Analysis Date:	5/2/2008 1:31:02 PM	
Mercury	0.1662	mg/Kg	0.033	99.7	80	120			
Method: EPA Method 6010B: Soil Metals									
Sample ID: MB-15797		*MBLK*			Batch ID:	**15797**	Analysis Date:	5/1/2008 12:41:04 PM	
Arsenic	ND	mg/Kg	2.5						
Barium	ND	mg/Kg	0.10						
Cadmium	ND	mg/Kg	0.10						
Chromium	ND	mg/Kg	0.30						
Lead	ND	mg/Kg	0.25						
Selenium	ND	mg/Kg	2.5						
Silver	ND	mg/Kg	0.25						
Sample ID: LCS-15797		*LCS*			Batch ID:	**15797**	Analysis Date:	5/1/2008 12:43:34 PM	
Arsenic	24.69	mg/Kg	2.5	98.8	80	120			
Barium	24.48	mg/Kg	0.10	97.6	80	120			
Cadmium	25.01	mg/Kg	0.10	100	80	120			
Chromium	25.28	mg/Kg	0.30	101	80	120			
Lead	24.55	mg/Kg	0.25	98.2	80	120			
Selenium	24.06	mg/Kg	2.5	96.3	80	120			
Silver	25.20	mg/Kg	0.25	101	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Upper Seep Tank 101-102 **Work Order:** 0804304

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: mb-15760		*MBLK*			Batch ID:	**15760**	Analysis Date:	5/9/2008 12:23:11 AM	
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.050						
1,2,4-Trimethylbenzene	ND	mg/Kg	0.050						
1,3,5-Trimethylbenzene	ND	mg/Kg	0.050						
1,2-Dichloroethane (EDC)	ND	mg/Kg	0.050						
1,2-Dibromoethane (EDB)	ND	mg/Kg	0.050						
Naphthalene	ND	mg/Kg	0.10						
1-Methylnaphthalene	ND	mg/Kg	0.20						
2-Methylnaphthalene	ND	mg/Kg	0.20						
Acetone	ND	mg/Kg	0.75						
Bromobenzene	ND	mg/Kg	0.050						
Bromodichloromethane	ND	mg/Kg	0.050						
Bromoform	ND	mg/Kg	0.050						
Bromomethane	ND	mg/Kg	0.10						
2-Butanone	ND	mg/Kg	0.50						
Carbon disulfide	ND	mg/Kg	0.50						
Carbon tetrachloride	ND	mg/Kg	0.10						
Chlorobenzene	ND	mg/Kg	0.050						
Chloroethane	ND	mg/Kg	0.10						
Chloroform	ND	mg/Kg	0.050						
Chloromethane	ND	mg/Kg	0.050						
2-Chlorotoluene	ND	mg/Kg	0.050						
4-Chlorotoluene	ND	mg/Kg	0.050						
cis-1,2-DCE	ND	mg/Kg	0.050						
cis-1,3-Dichloropropene	ND	mg/Kg	0.050						
1,2-Dibromo-3-chloropropane	ND	mg/Kg	0.10						
Dibromochloromethane	ND	mg/Kg	0.050						
Dibromomethane	ND	mg/Kg	0.10						
1,2-Dichlorobenzene	ND	mg/Kg	0.050						
1,3-Dichlorobenzene	ND	mg/Kg	0.050						
1,4-Dichlorobenzene	ND	mg/Kg	0.050						
Dichlorodifluoromethane	ND	mg/Kg	0.050						
1,1-Dichloroethane	ND	mg/Kg	0.10						
1,1-Dichloroethene	ND	mg/Kg	0.050						
1,2-Dichloropropane	ND	mg/Kg	0.050						
1,3-Dichloropropane	ND	mg/Kg	0.050						
2,2-Dichloropropane	ND	mg/Kg	0.10						
1,1-Dichloropropene	ND	mg/Kg	0.10						
Hexachlorobutadiene	ND	mg/Kg	0.10						
2-Hexanone	ND	mg/Kg	0.50						
Isopropylbenzene	ND	mg/Kg	0.050						
4-Isopropyltoluene	ND	mg/Kg	0.050						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Upper Seep Tank 101-102 **Work Order:** 0804304

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: mb-15760		*MBLK*			Batch ID:	**15760**	Analysis Date:	5/9/2008 12:23:11 AM	
4-Methyl-2-pentanone	ND	mg/Kg	0.50						
Methylene chloride	ND	mg/Kg	0.15						
n-Butylbenzene	ND	mg/Kg	0.050						
n-Propylbenzene	ND	mg/Kg	0.050						
sec-Butylbenzene	ND	mg/Kg	0.050						
Styrene	ND	mg/Kg	0.050						
tert-Butylbenzene	ND	mg/Kg	0.050						
1,1,1,2-Tetrachloroethane	ND	mg/Kg	0.050						
1,1,2,2-Tetrachloroethane	ND	mg/Kg	0.050						
Tetrachloroethene (PCE)	ND	mg/Kg	0.050						
trans-1,2-DCE	ND	mg/Kg	0.050						
trans-1,3-Dichloropropene	ND	mg/Kg	0.050						
1,2,3-Trichlorobenzene	ND	mg/Kg	0.10						
1,2,4-Trichlorobenzene	ND	mg/Kg	0.050						
1,1,1-Trichloroethane	ND	mg/Kg	0.050						
1,1,2-Trichloroethane	ND	mg/Kg	0.050						
Trichloroethene (TCE)	ND	mg/Kg	0.050						
Trichlorofluoromethane	ND	mg/Kg	0.050						
2,3-Trichloropropane	ND	mg/Kg	0.10						
Vinyl chloride	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: lcs-15760		*LCS*			Batch ID:	**15760**	Analysis Date:	5/5/2008 6:51:01 PM	
Benzene	1.223	mg/Kg	0.050	122	66.9	142			
Toluene	1.043	mg/Kg	0.050	102	78.4	128			
Chlorobenzene	1.017	mg/Kg	0.050	102	78.2	127			
1,1-Dichloroethene	1.198	mg/Kg	0.050	120	72.6	150			
Trichloroethene (TCE)	0.7769	mg/Kg	0.050	77.7	72.2	120			
Sample ID: lcsd-15760		*LCSD*			Batch ID:	**15760**	Analysis Date:	5/5/2008 7:26:03 PM	
Benzene	1.235	mg/Kg	0.050	124	66.9	142	1.01	20	
Toluene	1.093	mg/Kg	0.050	107	78.4	128	4.70	20	
Chlorobenzene	0.9943	mg/Kg	0.050	99.4	78.2	127	2.27	20	
1,1-Dichloroethene	1.204	mg/Kg	0.050	120	72.6	150	0.513	20	
Trichloroethene (TCE)	0.7794	mg/Kg	0.050	77.9	72.2	120	0.319	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 4/24/2008

Work Order Number 0804304

Received by: AMF

Checklist completed by: _____ Signature 4/24/08 Date

Sample ID labels checked by: AT Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Company Gallup
Address: Rt 3 Box 7
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: Upper Seep Tanks 101-102

Project #:

Project Manager: Ed Riege

Sampler: Steve Morris

On Ice: ☒ Yes ☐ No

Sample Temperature: 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	RCRA Metals Total				Air Bubbles (Y or N)
4/23/08	0900	Upper Seep Sludge			0804304-1			X							X		X				

Date:	Time:	Relinquished by:	Received by:	
4/24/08	1200	Steve Morris	Sludge	4/24/08 2:10
Date:	Time:	Relinquished by:	Received by:	

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Date 12-30-08

WESTERN REFINING COMPANY

BUNDLE CLEANING PAD

COMPLIANCE CHECKLIST

GENERAL REQUIREMENTS:

1. Has the generator initiated a hazardous waste determination. **YES NO** **NO WASTE**

   COMMENTS: _____

2. WASTE TYPES: **D F K P U** **NO WASTE**

   COMMENTS: _____

3. Are containers in good condition? **YES NO** **NO WASTE**

   COMMENTS: _____

4. Is waste compatible with containers? **YES NO** **NO WASTE**

   COMMENTS: _____

5. Are hazardous waste containers marked with the words "HAZARDOUS WASTE"?

   YES NO **NO WASTE**

   COMMENTS: _____

6. Is there an accumulation start date on every container in the <90 day storage area?

   YES NO **NO WASTE**

   If yes, complete the following table:

13. Is the <90 day storage area inspected weekly? **YES** **NO**

COMMENTS: _____

14. Are the <90 day storage area signs and danger signs prominently posted and visible?

YES **NO**

COMMENTS: _____

15. Is there spill control equipment, emergency equipment, communication equipment, and decontamination equipment at the <90 day storage area? **YES** **NO**

LIST EQUIPMENT ON SITE: _____

16. Is there adequate aisle space between containers in the <90 days storage are?

YES **NO** **NO WASTE**

COMMENTS: _____

17. Have the operators/inspectors for the <90 storage area completed and are they up-to-date on the required training? **YES** **NO**

COMMENTS: _____

18. Copy of the Contingency Plan located at main office.

19. COMMENTS: _____

Alvin Dorsey

Inspector's Signature

12-30-08

Date of Inspection

Container I.D. Number:	Accumulation Start Date	Type of Waste

COMMENTS: _____

7. Has the waste exceeded 90 days? **YES** **NO** **NO WASTE**

COMMENTS: _____

8. Are constituents of waste on containers or log sheets? **YES NO** **NO WASTE**

COMMENTS: _____

9. Are containers closed? **YES** **NO** **NO WASTE**

COMMENTS: _____

10. Has there been any hazardous waste spills or leaks? **YES NO** **NO WASTE**

If yes, explain: _____

11. If storage area is outside, is the waste in a dry, sheltered area and on pallets or similar devices so that they are off the ground? **YES** **NO** **NO WASTE**

COMMENTS: _____

12. Is the storage area free of obstacles and deterioration? **YES NO** **NO WASTE**

COMMENTS: _____

BUNDLE CLEANING PAD

Fire Extinguisher Inspection Form

Date of Inspection:	12-30-08
Inspector's Name:	**Signature:** ALVIN DOISEY
Annual Compliance Date:	10/08
Physical Condition: (signs of leakage?)	GOOD NONE
Rack Condition:	Good
Unit: (circle one)	**Full** **Empty**
Fire Extinguisher#: A-30-E	

Date: 12-30-08

WESTERN REFINING COMPANY
90 DAY RCRA STORAGE AREA
COMPLIANCE CHECKLIST

GENERAL REQUIREMENTS:

1. Has the generator initiated a hazardous waste determination. **YES** **NO** **NO WASTE**

   COMMENTS: _____

2. WASTE TYPES: **D** **F** **K** **P** **U** **NO WASTE**

   COMMENTS: _____

3. Are containers in good condition? **YES** **NO** **NO WASTE**

   COMMENTS: _____

4. Is waste compatible with containers? **YES** **NO** **NO WASTE**

   COMMENTS: _____

5. Are hazardous waste containers marked with the words "**HAZARDOUS WASTE**"?

   YES **NO** **NO WASTE**

   COMMENTS: _____

6. Is there an accumulation start date on every container in the <90 day storage area?

   YES **NO** **NO WASTE**

   If yes, complete the following table:

EPA WASTE ID	QTY	ACCUMULATION START DATE	CONSTITUENTS/TYPE OF WASTE

COMMENTS: _____

7. Has the waste exceeded 90 days? **YES** **NO** **NO WASTE**

COMMENTS: _____

8. Are constituents of waste on containers or log sheets? **YES** **NO** **NO WASTE**

COMMENTS: _____

9. Are containers closed? **YES** **NO** **NO WASTE**

COMMENTS: _____

10. Has there been any hazardous waste spills or leaks? **YES** **NO** **NO WASTE**

If yes, explain: _____

11. If storage area is outside, is the waste in a dry, sheltered area and on pallets or similar devices so that they are off the ground? **YES** **NO** **NO WASTE**

COMMENTS: _____

12. Is the storage area free of obstacles and deterioration? **YES** **NO** **NO WASTE**

COMMENTS: _____

13. Is the <90 day storage area inspected weekly? **YES** **NO**

COMMENTS: _____

14. Are the <90 day storage area signs and danger signs prominently posted and visible?

YES **NO**

COMMENTS: _____

15. Is there spill control equipment, emergency equipment, communication equipment, and decontamination equipment at the <90 day storage area? **YES** **NO**

LIST EQUIPMENT ON SITE: _____

16. Is there adequate aisle space between containers in the <90 days storage are?

YES **NO** **NO WASTE**

COMMENTS: _____

17. Have the operators/inspectors for the <90 storage area completed and are they up-to-date on the required training? **YES** **NO**

COMMENTS: _____

18. Copy of the Contingency Plan located at main office.

19. **COMMENTS:** _____

Alvin Dorsey /alm

Inspector's Signature

12-30-08

Date of Inspection

Western Refining- 90 Day Storage Area

Fire Extinguisher Inspection Form

Date of Inspection:	12-30-08
Inspector's Name:	**Signature:** Alvin Dorsey
Annual Compliance Date:	10/08
Physical Condition: (signs of leakage?)	Good
Rack Condition:	Good
Unit: (circle one)	**Full** **Empty**
Fire Extinguisher#: A20-E	

Major Refinery Activities and Events

Appendix E Major Refinery Activities and Events

Year-round (or across several months)

- The Gallup Refinery continued to make progress on finding sources of high H2S to the flare. A high-level working group was set up from within refinery managers and engineers. A methodical survey of all by-pass and relief valves on acid gas lines was undertaken. A major breakthrough occurred when calculations and tests established that liquids in certain process drums were releasing high levels of H2S. Earlier efforts had focused on gas lines. In 2009, various steps are under consideration and implementation to scrub the vapors emanating from such liquids.

- Extensive repair and maintenance work was undertaken on all ponds, dikes, and access roads to refurbish and strengthen these earthen structures. Copies of documents describing these efforts are attached to this Appendix.

- All sampling and air quality permit-related issues were completed – e.g. studies of benzene releases from the end-of-line of various processes; greenhouse gas emissions inventories, etc.

Monthly activities:

January
No major environmental activities. The refinery went through a short shut down and turn-around and conducted repairs and maintenance of major equipment and process lines that cannot normally be accessed when continuous operations are underway.

February
NMED reviewed the Railroad Rack Lagoon Fan-out Area Sold Waste Management Unit #8 investigation report.

March
No major activities

April
Investigation of sludge in aeration lagoons and ponds was undertaken. NMED completed review of evaporation ponds' closure plan. Surface water spill prevention and control training completed by 12 refinery personnel

May
Pilot study of a Membrane Bioreactor for wastewater treatment initiated.

June
No major activities.

July
No major activities.

August
Pilot study of Membrane Bioreactor completed.

September
2007 Groundwater Monitoring report submitted to NMED and OCD.

October
Ponds, dikes, and access roads repair and maintenance work completed.

November
WWTS process design work initiated.

December
Land Farm annual sampling completed. No releases to the subsurface were detected.

Purchase Order Details Report

DOCUMENT#: C20396

Completed

[illegible] POND WORK [illegible]

Vendor: FUHS TRU

Date of Issue: 9/2/2008

Requested Delivery Date:

Purchasing Agent: MMCKINN

Payment Terms: NET

Freight Terms:

Ship Via:

F.O.B.:

Vendor:

FUHS TRUCKING CO.
PO BOX 630
GALLUP, NM 87305

Phone: 505-722-6909

Fax: 505-722-7323

Attention: DENNIS FUHS

Ship To:

WESTERN REFINING SOUTHWEST, INC.
I-40 EXIT 39; 17 MILES EAST OF GALLUP
GALLUP, NM87301

Attention: EDRIEGE

Line #	Qty	Units	Item #	Description	Tax	Unit Cost	Loaded Cost
1	1	EA		BERM REPAIR AND RIP RAP @ NORTH BERM OF POND # 6 **GL#: 2084060.5302.05**	**$1,742.04**	**$26,295.00**	**$28,037.04**
2	1	EA		REPAIR BERM ANDE RIP RAP BETWEEN POND 5 & 6 **GL#: 2084060.5302.05**	**$384.25**	**$5,800.00**	**$6,184.25**
3	1	EA		REPAIR SE CORNER OF POND # 6 **GL#: 2084060.5302.05**	**$225.25**	**$3,400.00**	**$3,625.25**
4	1	EA		REPAIR NORTH SIDE OF POND # 5 **GL#: 2084060.5302.05**	**$360.00**	**$7,200.00**	**$7,560.00**
5	1	EA		REPAIR EROSION AND WEST BERM AT POND # 8, GRADE AND ROLL GL#: 2084060.5302.05	**$430.63**	**$6,500.00**	**$6,930.63**
6	1	EA		MOBILIZE AND DEMOBILIZE **GL#: 2084060.5302.05**	$198.75	$3,000.00	$3,198.75
7	1	EA		BREAK AND SCREEN MATERIAL FOR RIP RAP AND ROAD USE. **GL#: 2084020.5341.99**	**$3,345.63**	**$50,500.00**	**$53,845.63**

C20396

Purchase Order Details Report

DOCUMENT#: C20396

PO Total Cost: **$109,381.54**

This order is subject to Western Refining Terms and Conditions and any additional supplemental conditions attached.

Western Representative: Michelle Young **Date:** 9-4-08

Supplier's Acceptance: _____ **Date:** _____

Western Refining Company

MATERIAL REQUISITION
NOT A PURCHASE ORDER

SUGGESTED VENDORS
1. Fuhs Trucking Co Inc
2. Dennis Fuhs
3.

No.
Date: 8-26-08
PURCHASE ORDER NUMBER: 6-20396

QTY.	UNIT	DESCRIPTION	UNIT PRICE	AMOUNT
1		#1 Berm repair + riprap @ North berm of Pond #6		26,295
1		#2 Repair berm + riprap between Pond 5 + 6		5800
1		#3 Repair SE corner of Pond #6		3400
1		#4 Repair North side Pond #5		7200
1		#5 Repair erosion + West berm Pond #8, grade + Roll		6500
1		Mobilize and Demobilize		3000
1		#6 Break + screen material for rip rap + ROAD USE		35350
		$50,500 2084020		15150
		TOTAL =		$0.00

EN

52,19

NOTE: GIVE FULL DESCRIPTION OF ITEM, INDICATE PART NUMBER, CATALOG NUMBER, BRAND NAME, MODEL AND SERIAL NUMBER.

REQUESTED BY: Ed Rios Michelle Young DELIVER TO:

ACCOUNTING No./UNIT No.: 208-4060 2084020 FOR USE AT:

APPROVED BY: Michelle Young PROJECT No.:

HAVE YOU CHECKED THIS REQUISITION FOR REAL NEED? NO LATER THAN DATE:

FUHS TRUCKING CO. INC.
EQUIPMENT & EXCAVATION

FLATS • DUMPS • BELLY DUMPS • EXCAVATORS.
DOZERS • LOADERS 3 YD. TO 8 YD. • BACKHOES
SCRAPERS • MOTOR GRADERS
P.O. BOX 630 - GALLUP, N.M. 87305

DENNIS FUHS
OWNER

Work: (505) 722-6909
Home: (505) 722-5348
FAX: (505) 722-7323

August 22, 2008

Item # 2.
Repair berm & rip-rap between Pond # 5 & # 6
Import from Pit near well; place & machine compact 4000.00
Import & place rip-rap 1800.00

Total: $5800.00

Item # 3.
Repair SE corner of Pond # 6.
Import fill, place & machine compact 3400.00
Total: $3400.00

Item # 4.
Repair Northside Pond # 5. 7200.00

Total: $7200.00

Item # 5.
Repair erosion & West berm Pond # 8; grade & roll 6500.00

Total: $6500.00

Item # 2, 3, 4, & 5
Mobilize & de-mobilize $3000.00 (for any (1) or for all of them)
All import material from Well Pit.
Rip-rap done if Item # 6 is accepted.
Any applicable sales tax is NOT included in these price quotes.

Should you have any questions, please call me.

Sincerely,

Dennis Fuhs
Fuhs Trucking Co., Inc.
P.O. Box 630
Gallup, NM 87305-0630

FUHS TRUCKING CO. INC.
EQUIPMENT & EXCAVATION

FLATS • DUMPS • BELLY DUMPS • EXCAVATORS
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August 22, 2008

Item # 6.

Making usable material out of waste concrete & asphalt.

I would estimate the total material to be between 10,000 & 11,000 cy.

With a breaker & Screen-All 80 to 90% of this material could be recovered and used at the plant & ponds.
The concrete sized to 3' or less any dimension will be used as rip-rap.
Gravel & asphalt screened to a size of 3" minus and will be a low grade base course.
3" + asphalt used as a heavy base course on less used Roadways.

All materials would be stockpiled where they now exist.

Cost: $45,000.00
Mobilize & de-mobilize $2000.00
Operator travel, set-up & service. $3500.00

Total: $50,500.00

FUHS TRUCKING CO. INC.
EQUIPMENT & EXCAVATION

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Work: (505) 722-6909
Home: (505) 722-5348
FAX: (505) 722-7323

August 22, 2008

To: Ed Riege
Western Refining

Subject: Price quotes for work @ Refinery

#1.

Berm repair & rip-rap @ North berm of Pond # 6. 1000 LF + or -	
Import dirt 1185 cy (+ or -)	16595.00
Haul & place rip-rap 600 cy (+ or -)	4800.00
Operator travel, set-up & service	2500.00
Mobilize & de-mobilize (6) machines @ 400.00 each	2400.00

TOTAL: $26,295.00

FUHS TRUCKING CO. INC.
EQUIPMENT & EXCAVATION
FLATS • DUMPS • BELLY DUMPS • EXCAVATORS
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Western Refining

Gallup Refinery
Purchasing Department

PLEASE NOTE THAT ALL PURCHASE ORDERS NOW REQUIRE A CONFIRMATION BE SENT BACK TO ME AT THE FAX OR EMAIL ADDRESS LISTED BELOW.

Date: 09-02-08

Time: 1100

To: FUH's TRUCKING Co

Number: 1-505-722-7323

From: Mack McKinney – Buyer
Phone: (505) 722-0237
Fax: (505) 722-0268
Email: mack.mckinney@wnr.com

Subject: P.O.

____ Pages are included in this transmission

Here is a copy of your P.O.

Thanks
Mack

FUHS TRUCKING CO., INC. 30380
PO Box 630
2210 Lance Street
GALLUP, NM 87305-0613

Invoice

RECEIVED
OCT 17 2008
BY:

Customer No.: 018
Invoice No.: 96

Bill To: **Western Refining**
Route 3 - Box 7
Gallup, NM 87301

Ship To: **Document # C20396**

Date	Ship Via	F.O.B.	Terms
10/16/08			Net 30

Purchase Order Number	Order Date	Sales Person	Our Order Number
	10/16/08		

Quantity Required	Quantity Shipped	Quantity B.O.	Item Number	Description	Unit Price	Amount
1	1			Berm repair & rip-rap @ North berm of Pond # 6	26295.00	26295.00
1	1			Repair berm & rip-rap between Pond # 5 & Pond # 6	5800.00	5800.00
1	1			Repair SE corner of Pond # 6	3400.00	3400.00
1	1			Repair Northside of Pond # 5	7200.00	7200.00
1	1			Repair erosion & West berm @ Pond # 8	6500.00	6500.00
1	1			Mobilize & de-mobilize	3000.00	3000.00
1	1			Break & screen material for rip-rap 74020 and road use.	50500.00	50500.00

Invoice subtotal	102695.00
Sales tax @ 6.625%	6803.54
Invoice total	109498.54

We appreciate your business!

POSTED

C/C	A/C	AMOUNT	PO / RE
208406	0.5302.05	55 652.91	
208402	0.5172.15	53,845.63	
			C20396
Date Paid			

Thank You

FUHS TRUCKING CO. INC.
EQUIPMENT & EXCAVATION

FLATS • DUMPS • BELLY DUMPS • EXCAVATORS
DOZERS • LOADERS 3 YD. TO 8 YD. • BACKHOES
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Import & place rip-rap 1800.00

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With a breaker & Screen-All 80 to 90% of this material could be recovered and used at the plant & ponds.
The concrete sized to 3' or less any dimension will be used as rip-rap.
Gravel & asphalt screened to a size of 3" minus and will be a low grade base course.
3" + asphalt used as a heavy base course on less used Roadways.

All materials would be stockpiled where they now exist.

Cost: $45,000.00
Mobilize & de-mobilize $2000.00
Operator travel, set-up & service. $3500.00

Total: $50,500.00

LET'S DISCUSS
THX -
JAMIE

FUHS LIST

- Rip rap and berm repair on north side of pond six.
- Repair, and rip rap at pipe between ponds five and six.
- Fill in low place on southeast corner of pond six.
- Repair and compact berm on north side of pond five.
- Grade and add fill dirt on west side of pond eight as needed.
- Look at rip rap pile and ask if what is needed for Environmental (pond) projects. Also can he crush to less than 2" on remaining rip rap in pile for road base.

Summary of Wastewater Treated and Water Balance

2008 WASTE WATER BALANCE

PONDS	GALLONS/ YR	
Discharged to Ponds (measured at V notch)	128,568,665	
RAINFALL TO PONDS	24,485,522	
TOTAL TO PONDS	153,054,187	
POND EVAPORATION	144,149,972	
SNOW MACHINES EVAPORATION	5,188,800	
WATER SOLD	0.00	
TOTAL ADDED TO PONDS 2008	3,715,415	
TOTAL INCREASE IN AVERAGE POND DEPTH	~1 inch	
TOTAL BALANCE IN PONDS 2008	3,715,415	

2008 WASTE WATER SUMMARY

DATE	TOTAL FLOW TO PONDS			RAIN GAUGE INCHES	FREEBOARD AT PONDS										
					2	3	4	5	6	8	7	11	12a	12b	9
	TEMP	90 DEGREE V NOTCH "INCHES"	FLOW GPM		feet	feet	feet	feet	feet	feet	feet	feet	feet	feet	feet
1/2/2008	38	6	193		1.5	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1.42
1/3/2008	36	5	123		1.5	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1.42
1/4/2008	35	5	123		1.5	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1.42
1/7/2008	35	6	193	**0.05**	1.42	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1.42
1/8/2008	34	6	193		1.42	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1.42
1/10/2008	34	5	123		1.42	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1.42
1/14/2008	34	7	284		1.42	1.25	1.33	1	OM	BM	3.5	2	BM	1.25	1
1/15/2008	34	5	123		1.42	1.25	1.33	1	OM	BM	3.5	2	BM	1.25	1
1/16/2008	33	5	123		1.42	1.25	1.25	1	OM	BM	3.5	2	BM	1.25	1
1/17/2008	33	5	123		1.42	1.25	1.25	11	OM	BM	3.5	2	BM	1.25	1
1/21/2008	36	6	193		1.42	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1
1/22/2008	36	6	193		1.42	1.25	1.33	1	OM	BM	3.5	2	BM	1.17	1
1/23/2008	35	6	193		1.42	1.25	1.33	1	OM	BM	3.33	2	BM	1.17	1
1/24/2008	34	5	123		1.42	1.25	1.33	1	OM	BM	3.33	2	BM	1.17	1
1/28/2008	33	6	193	**1**	1.42	1.25	1.25	1	OM	BM	3.33	2	BM	1.17	1
1/29/2008	34	6	193	**1**	1.42	1.17	1.17	1	OM	BM	3.25	2	2.5	1.17	1
1/30/2008	33	5	123		1.42	1.17	1.17	1	OM	BM	3.25	2	2.5	1.17	1
1/31/2008	33	5	123		1.42	1.17	1.17	1	OM	BM	3.25	2	2.5	1.17	1
2/4/2008	33	5	123	**1**	1.42	1.17	1.17	1	OM	1.92	3	1.75	BM	1	0.75
2/5/2008	33	5	123		1.42	1.17	1.17	1	OM	1.92	3	1.75	BM	1	0.75
2/6/2008	34	5	123		1.42	1.17	1.17	1	OM	1.92	3	1.75	BM	1	0.75
2/7/2008	36	7	284		1.5	1.17	1.25	0.92	OM	2	3	1.33	BM	1	0.75
2/11/2008	36	7	284		1.58	1.17	1.25	0.83	OM	2	3	2	BM	1.17	0.5
2/12/2008	35	6	193		1.58	1.17	1.25	0.83	OM	2	3	2	BM	1.17	0.5
2/13/2008	35	5	123		1.58	1.17	1.25	0.83	OM	1.83	3	2	BM	1.17	0.5
2/14/2008	34	5	123		1.58	1.25	1.25	0.83	OM	1.67	3	2	BM	1.17	0.5
2/19/2008	38	6	193		1.58	1.25	1.25	0.83	OM	0.92	3	2	BM	1.17	3
2/20/2008	40	6	193		1.58	1.25	1.25	0.83	OM	0.92	3	1.83	BM	1.25	0.25
2/21/2008	40	10	694		1.5	1.25	1.25	1	OM	0.92	3	1.83	BM	1.25	0.25
2/25/2008	38	6	193	**0.1**	1.5	1.25	1.25	1	OM	0.75	3	2	BM	1.17	1

2/26/2008	38	See note	167		1.5	1.17	1.25	1	OM	0.75	3	2	BM	1.25	0.25
2/27/2008	38		172		1.58	1.17	1.5	1	OM	1	3	2	BM	1.33	OM
2/28/2008	38		193		1.5	1.17	1.5	1	OM	1	3	2	BM	1.33	OM
2/29/2008	39		217		1.5	1.17	1.5	1	OM	0.75	3.08	2	BM	1.5	OM
3/3/2008	35		217		1.58	1.17	1.5	1	OM	1	3	2	BM	1.33	OM
3/4/2008			217		1.5	1.17	1.5	1.08	OM	0.83	3	2	BM	1.25	OM
3/5/2008			217		1.5	1.17	1.5	1.08	OM	0.83	3.08	2	BM	1.25	OM
3/6/2008			228		1.5	1.17	1.58	1.08	OM	0.83	3.08	2	BM	1.25	OM
3/7/2008			228		1.5	1.17	1.58	1.08	OM	0.83	3.08	2	BM	1.25	OM
3/10/2008	39		205		1.5	1.17	1.42	1	OM	0.83	3.08	2	BM	1.25	OM
3/11/2008			205		1.5	1.17	1.5	1	OM	0.83	3.08	2.08	BM	1.25	OM
3/12/2008			205		1.5	1.08	1.42	1	OM	0.83	3.08	2	BM	1.25	OM
3/13/2008			205		1.5	1.08	1.42	1	OM	0.83	3.92	2	BM	1.25	OM
3/14/2008			138		1.5	1.08	1.42	1	OM	0.83	3.08	2.08	BM	1.25	BM
3/17/2008			145		1.5	1.17	1.42	1	OM	0.83	3.08	2.08	BM	1.25	OM
3/18/2008			145		1.58	1.17	1.5	0.75	OM	0.75	3	2.08	BM	1.25	OM
3/19/2008	41		138		1.58	1.17	1.5	0.75	OM	0.75	3	2.08	BM	1.25	OM
3/20/2008			133		1.58	1.17	1.5	0.75	OM	0.75	3	2.08	BM	1.25	OM
3/22/2008		6	193		1.5	1.17	1.58	0.83	OM	1	3.25	2.5	BM	1.17	OM
3/24/2008	44	9	533		1.5	1.25	1.5	0.75	OM	0.92	3.25	2.17	BM	1.17	OM
3/25/2008	44	9	533		1.5	1.25	1.5	0.75	OM	0.92	3.25	217	BM	1.25	OM
3/26/2008	44	9	533		1.5	1.08	1.33	0.75	OM	0.83	3.25	2.17	BM	1.25	OM
3/27/2008		6	193		1.5	1.17	1.58	0.83	OM	1	3.25	2.5	BM	1.17	OM
3/31/2008		6.5	236		1.5	1.25	1.5	0.83	OM	1	3.25	2.25	BM	1.17	OM
4/1/2008		6.5	236		1.58	1.08	1.5	1	OM	1	3.17	2.25	BM	1.17	OM
4/2/2008		6.5	236		1.58	1.08	1.5	1	OM	1	3.17	2.25	BM	1.17	OM
4/3/2008		7	284		1.58	1.08	1.5	1	OM	1	3.17	2.25	BM	1.17	OM
4/4/2008		6	193		1.5	1.25	1.5	0.08	OM	1.08	3.25	2.25	BM	1.17	OM
4/7/2008		6	193		1.58	1.5	1.67	0.08	OM	1.17	3	2.33	BM	1.17	OM
4/8/2008	50	6	193		1.5	1.17	1.67	0.08	OM	1.33	3	2.33	BM	1.25	OM
4/9/2008	45	6	193		1.58	1.17	1.67	0.83	OM	1.17	3	2.33	BM	1.25	OM
4/10/2008	40	6	193		1.5	1.17	1.67	0.75	OM	1.25	3.08	2.25	BM	1.17	OM
4/11/2008	41	6	193		1.5	1.33	1.75	1	OM	1.25	3.08	2.25	BM	1	OM
4/14/2008	59	6	193		1.5	1.25	1.67	1	OM	1.17	3.08	2.25	BM	1	OM
4/15/2008	57	6	193		1.5	1.25	1.58	1	OM	1.25	3.08	2.25	BM	1	OM
4/16/2008	48	6	193		1.5	1.25	1.67	1	OM	1.17	3.08	2.25	BM	1	OM
4/17/2008	50	6	193		1.58	1.25	1.67	1	OM	1.5	3.17	2.25	BM	1	OM

4/18/2008	50	6	193		1.58	1.25	1.67	1	OM	1.5	3.17	2.25	BM	1	OM
4/21/2008	50	6	193		1.5	1.33	1.5	1	OM	1.5	3	2.5	BM	1	0.08
4/22/2008	50	7	284		1.5	1.33	1.5	1	OM	1.5	3	2.5	BM	1	0.08
4/23/2008	51	7	284		1.5	1.33	1.5	1	OM	1.58	3	2.5	BM	1	0.08
4/24/2008	50	7	284		1.5	1.33	1.67	1	OM	1.58	3	2.5	BM	1	0.08
4/28/2008	50	6	193		1.5	1.25	1.5	1	OM	1.33	2.25	2.42	BM	1	0.08
4/29/2008	50	6	193		1.5	1.25	1.5	1	OM	1.33	2.25	2.42	BM	1	0.08
4/30/2008	51	7	284		1.5	1.25	1.5	1	OM	1.33	2.33	2.42	BM	1	0.08
5/1/2008	50	7	284		1.5	1.25	1.5	1	OM	1.33	2.33	2.42	BM	1	0.08
5/2/2008	51	7	284		1.5	1.25	1.5	1	OM	1.33	2.33	2.42	BM	1	0.08
5/5/2008	52	7	284		1.5	1.42	1.5	1.08	OM	1.75	3	2.75	BM	1.08	0.08
5/6/2008	51	7	284		1.5	1.42	1.5	1.08	OM	1.67	3	2.75	BM	1.08	0.08
5/7/2008	50	7	284		1.5	1.5	1.5	1.08	OM	1.17	3.08	2.33	BM	1	0.08
5/8/2008	52	7	284		1.5	1.5	1.67	1	OM	1.5	3.33	3	BM	1.17	0.08
5/9/2008	52	7	284		1.5	1.5	1.67	1	OM	1.5	3.33	3	BM	1.17	0.08
6/2/2008	60	7	284		1.33	1.5	1.67	1.17	OM	BM	BM	BM	BM	1.33	0.08
6/3/2008	60	7	284		1.33	1.5	1.67	1.17	OM	BM	BM	BM	BM	1.33	0.08
6/4/2008	55	7	284	**0.25**	1.25	1.5	1.67	1.17	OM	BM	BM	BM	BM	1.33	0.08
6/5/2008	56	7	284	**0.37**	1.25	1.5	1.67	1.17	OM	BM	BM	BM	BM	1.42	0.08
6/6/2008	60	7	284		1.33	1.5	1.67	1.17	OM	BM	BM	BM	BM	1.33	0.08
6/9/2008	50	7	284		1.5	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.33	0.08
6/10/2008	60	7	284		1.5	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.33	0.08
6/11/2008	61	7	284		1.75	1.67	1.58	1	OM	BM	BM	BM	BM	1.25	0.08
6/12/2008	61	7	284		1.75	1.67	1.58	1	OM	BM	BM	BM	BM	1.25	0.08
6/13/2008	62	7	284		1.75	1.67	1.58	1	OM	BM	BM	BM	BM	1.25	0.08
6/16/2008	60	6	193		1.75	1.67	1.67	1.08	OM	BM	BM	BM	BM	1.25	0.08
6/17/2008	61	6	193		1.75	1.67	1.67	1.08	OM	BM	BM	BM	BM	1.25	0.08
6/18/2008	61	6	193		1.75	1.67	1.67	1.08	OM	BM	BM	BM	BM	1.25	0.08
6/19/2008	62	6	193		1.75	1.67	1.67	1.08	OM	BM	BM	BM	BM	1.25	0.08
6/20/2008	62	6	193		1.75	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
6/23/2008	61	6	193		1.75	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
6/24/2008	61	6	193		1.75	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
6/25/2008	61	7	284		1.08	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
6/26/2008	65	7	284		1.83	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
6/27/2008	70	7	284	**0.37**	1.83	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
6/30/2008	61	6	193		1.83	1.67	1.67	1.08	OM	BM	BM	BM	BM	1.25	0.08
7/1/2008	70	7	284		1.58	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08

7/2/2008	70	7	284	**0.06**	1.58	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
7/3/2008	70	7	284		1.58	1.67	1.67	1	OM	BM	BM	BM	BM	1.25	0.08
7/7/2008	70	7	284		1.25	1.5	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/8/2008	71	7	284		1.25	1.58	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/9/2008	71	7	284		1.25	1.58	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/10/2008	71	7	284		1.25	1.58	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/11/2008	70	7	284	**1**	1.25	1.58	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/14/2008	70	7	284	**1**	1.25	1.5	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/15/2008	70	7	284	**0.09**	1.25	1.5	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/16/2008	70	7	284		1.25	1.5	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/17/2008	70	7	284		1.25	1.5	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/18/2008	70	7	284		1.25	1.5	1.5	0.08	OM	BM	BM	BM	BM	1.17	0.08
7/21/2008	61	7	284	**0.31**	1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
7/22/2008	62	7	284	**0.7**	1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
7/23/2008	61	7	284	**0.02**	1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
7/24/2008	61	7	284	**0.02**	1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
7/25/2008	61	7	284	**0.003**	1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
7/28/2008	61	7	284	**0.009**	1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
8/4/2008	60	6.5	236	**0.008**	1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
8/5/2008	60	6.5	236		1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
8/4/2008	62	7	284		1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
8/7/2008	62	7	284		1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
8/8/2008	62	7	284		1.67	1.5	1.67	0.08	OM	BM	BM	BM	BM	1.25	0.08
8/11/2008	62	7	284	**0.03**	1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/12/2008	62	7	284		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/13/2008	62	7	284		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/14/2008	71	6.5	236		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/15/2008	71	6.5	236		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/18/2008	70	6.5	236		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/19/2008	70	6.5	236		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/20/2008	71	7	284		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/21/2008	71	7	284		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/22/2008	71	7	284		1.5	1.5	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
8/25/2008	70	7	284	**0.01**	1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.67	0.08
8/26/2008	71	7	284		1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.67	0.08
8/27/2008	71	7	284	**0.02**	1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.67	0.08
8/28/2008	71	7	284	**0.007**	1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.67	0.08

8/29/2008	70	7	284		1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.67	0.08
9/4/2008	70	7	284		1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.67	0.08
9/8/2008	68	7	284		1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.75	0.08
9/9/2008	68	7	284		1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.75	0.08
9/10/2008	69	7	284		1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.75	0.08
9/11/2008	69	7	284		1.67	1.67	1.75	1.75	OM	BM	BM	BM	BM	1.75	0.08
9/12/2008	55	7	284		1.75	1.75	1.67	1.67	OM	BM	BM	BM	BM	1.25	0.08
9/15/2008	56	7	284		1.75	1.75	1.67	1.67	OM	BM	BM	BM	BM	1.25	0.08
9/16/2008	57	7	284		1.75	1.75	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
9/17/2008	57	7	284		1.75	1.75	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
9/18/2008	46	7	284		1.75	1.75	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
9/19/2008	57	7	284		1.75	1.75	1.67	1.67	OM	BM	BM	BM	BM	1.67	0.08
9/22/2008	57	7	284		1.58	1.33	1.58	0.08	OM	2	BM	BM	BM	1.25	1.08
9/23/2008	58	7	284		1.58	1.33	1.58	1	OM	2	BM	BM	BM	1.25	1.08
9/24/2008	70	7	284		1.67	1.17	1.67	1	OM	2	BM	BM	BM	1.25	1.08
9/25/2008	70	7	284		1.67	1.17	1.67	1	OM	2	BM	BM	BM	1.25	1.08
9/26/2008	70	7	284		1.67	1.17	1.67	1	OM	2	BM	BM	BM	1.25	1.08
10/1/2008	48	6.5	236		1.75	1.17	1.67	1.08	OM	2	BM	BM	BM	1.17	1.08
10/2/2008	48	6.5	236		1.75	1.17	1.67	1.08	OM	2	BM	BM	BM	1.25	1.08
10/3/2008	49	6.5	236		1.75	1.17	1.67	1.08	OM	2	BM	BM	BM	1.25	1.17
10/4/2008	48	6.5	236		1.75	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.17
10/7/2008	48	6.5	236		1.75	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.17
10/8/2008	49	6.5	236		1.75	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.17
10/9/2008	49	6.5	236		1.75	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.25
10/10/2008	49	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.25
10/13/2008	49	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.25
10/14/2008	49	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.25
10/15/2008	49	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.25	1.25
10/16/2008	49	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/17/2008	49	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/20/2008	51	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/21/2008	51	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/22/2008	51	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/23/2008	52	6.5	236		1.83	1.17	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/24/2008	52	6.5	236		1.83	1.25	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/27/2008	52	6.5	236		1.83	1.25	1.67	1.08	OM	BM	BM	BM	BM	1.33	1.25
10/28/2008	75	7	284		1.5	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.25	1.33

10/29/2008	78	7	284		1.5	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.25	1.33
10/30/2008	78	7	284		1.5	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.25	1.33
10/31/2008	39	7	284		1.5	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.25	1.42
11/3/2008	60	7	284	**0.01**	1.5	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.25	1.25
11/5/2008	60	7	284		1.5	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.25	1.42
11/6/2008		7	284		1.58	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.33	1.42
11/7/2008	61	7	284		1.58	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.33	1.42
11/10/2008	61	7	284		1.58	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.33	1.42
11/11/2008	61	7	284		1.58	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.33	1.42
11/12/2008		7	284		1.58	1.67	1.83	1.83	OM	BM	BM	BM	BM	1.33	1.42
11/13/2008	62	7	284		1.67	1.67	1.83	1.83	OM	BM	BM	BM	BM		
12/1/2008	56	6	193		1.75	1.75	1.75	1.92	OM	BM	BM	BM	BM	1.25	1.17
12/2/2008	57	6	193		1.75	1.75	1.75	1.92	OM	BM	BM	BM	BM	1.25	1.17
12/3/2008	56	6	193		1.75	1.75	1.75	1.75	OM	BM	BM	BM	BM	1.25	1.17
12/4/2008	56	6	193		1.75	1.75	1.75	1.75	OM	BM	BM	BM	BM	1.25	1.08
12/5/2009	56	6	193		1.75	1.75	1.75	1.75	OM	BM	BM	BM	BM	1.25	1.08
12/8/2009	57	6	193		1.75	1.75	1.75	1.75	OM	BM	BM	BM	BM	1.25	1.08
12/9/2008	53	7	284		2	1.58	1.67	1.67	OM	2.75	BM	2.75	BM	1.33	1
12/10/2008	53	7	284		2	1.58	1.67	1.67	OM	2.67	BM	2.67	BM	1.33	1
12/11/2008	50	7	284		2	1.58	1.67	1.58	OM	2.67	BM	2.67	BM	1.33	1
12/12/2009	45	7	284		2	1.58	1.67	1.58	OM	2.67	2.75	2.67	BM	1.33	1
12/15/2008	46	7	284		2.08	1.58	1.67	1.58	OM	2.67	2.67	2.67	BM	1.33	0.08
12/16/2008	47	7	284		2.08	1.58	1.67	1.67	OM	2.67	2.58	2.67	BM	1.33	0.08
12/17/2008	47	7	284		2.08	1.58	1.67	1.67	OM	2.67	2.58	2.67	BM	1.33	0.08
12/18/2009	47	7	284		2.17	1.5	1.67	1.58	OM	2.67	2.5	2.67	BM	1.25	0.08
12/19/2008	49	7	284		2.17	1.5	1.67	1.58	OM	2.67	2.5	2.67	BM	1.33	0.08
12/22/2008	49	6	193		2.25	1.5	1.67	1.58	OM	2.67	2.5	2.67	BM	1.33	0.08
12/23/2008	48	6	193		2.25	1.5	1.67	1.58	OM	2.67	2.5	2.67	BM	1.25	0.08
12/24/2008	48	6	193		2.25	1.5	1.67	1.58	OM	2.58	2.5	2.58	BM	1.25	0.08
12/29/2008	39	7	284		1.83	1.42	1.5	0.08	OM	3	3	3	BM	1.25	0.08
12/30/2008	32	7	284		1.67	1.33	1.33	0.08	OM	BM	BM	3	BM	1.25	0.08
12/31/2008	32	7	284		1.67	1.33	1.33	0.08	OM	BM	BM	3	BM	1.25	0.08

* **BM denotes Below Marker** (Marker ~ 3 Feet)
OM denotes Over Marker (marker ~ 3 feet)

	AVG	AVG	AVG	TOTAL	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG	AVG
	53.38	**6.59**	**244.61**	**7.44**	**1.60**	**1.41**	**1.58**	**1.11**	**OM**	**1.50**	**3.06**	**4.45**	**BM**	**1.27**	**0.54**

2008 TOTAL FLOW TO PONDS

244.61GPM x 60 MIN/HR x 8760 HR/YR: **128,568,665 GAL/YR**

Rainfall = 27154 gal/inch/acre: 7.44 inches/yr X 121.2 acres X 27154 gal/inch/acre = gal/yr **24485522.11 gal/yr**

Pond evaporation = 0.12 inches/day x 1/12 feet/inches x 121.2 acres (area) x 43560 sq. feet/acre x 7.48051 gal/cubic feet x 365 days/year = 144, 149, 972.28 gal/year

Note: On some days when the 90 degree V-notch depth was not measured, we used the flow rate going through the API Separator plus the R.O. water, plus the Pilot Travel center wastewater minus evaporation from upstream aeration lagoons and ponds to estimate total flow to the ponds at the V notch

Reference - for the evaporation rate we used the evaporation rate at Bluewater Lake as a reference, from the Bluewater Lake State Park Management and Development Plan, 2000-20004, Energy Minerals and Natural Resources Department, State of New Mexico, which is known to be 40 inches/year. Bluewater Lake gets 12 inches of precipitation per year. The Gallup Refinery gets 7.44 inches of precipitation per year. There is an inverse relationship between rainfall and evaporation, as the temperature, wind speed, and most importantly the vapour pressure deficit drive evaporation Decreased rainfall will mean increased evaporation - therefore, we have assumed our evaporation rate to be about 44 inches per year.

WESTERN REFINING - GALLUP REFINERY

JAMESTOWN, NEW MEXICO

SNOW MACHINES by Ponds 3 & 4

MONTH	YEAR	NORTH Z-84-B25 S/N 2842 (7/2002) HOUR METER		TOTAL HR	SOUTH Z-84-B24 S/N 2843 (7/2002) HOUR METER		TOTAL HR	TOTAL GAL/YR
		START	END		START	END		
MAR-OCT	2003	0	2928	2928	0	2928	2928	########
MAR-OCT	2004	2928	4052	1124	2928	4137	1209	5,599,200
APR-AUG	2005	4052	4754	702	4137	4839	702	3,369,600
MAY-JUL	2006	6188	6190	2	6273	6296	23	60,000
AUG-OCT	2007	6190	8059	1869	6296	8079	1783	8,764,800
JAN-MAR	2008	8059	8059	0	8079	8079	0	0
MAR-JUN	2008	8059	8060	1	8079	8080	1	4,800
JUN-JUL	2008	8060	8516	456	8080	8726	646	2,644,800
JUL-OCT	2008	8516	9500	984	8726	8800	74	2,539,200
							TOTAL HR	5,188,800

Summary of Sump and Underground Wastewater Lines Tested

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: treater
Test Fluid: Water: water
Test Water Column (ft.): 5'
Test Duration (min.): 30 min
Manhole Number: Q-3
Date: 9-23-08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

Inlet line from Q-3 to Sump Box Q-2 was tested and line branches going into Q-3 sump box sewer lid needs to be replaced.

Test Witness Signatures: W. Haines

Environmental: [illegible]

Western Representative: Ra Martinez

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: Treater
Test Fluid: Water: Water
Test Water Column (ft.): 5'
Test Duration (min.): 30 min
Manhole Number: Q-1
Date: 9-23-08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

Inlet line from sump Q2 to sump Box Q-1 was tested and all branch lines going into Q-1 were tested test-ok inlet 90s need to be replaced some are broken also concrete inside box needs repair, also sewer cup on Q-T3 needs trap installed

Test Witness Signatures: W. Harry

Environmental: [illegible]

Western Representative: Ray Martinez

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: Treaters sump A, C, A, A,
Test Fluid: Water: WATER
Test Water Column (ft.): 5
Test Duration (min.): 30 min
Manhole Number: Q2
Date: 9-23-08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level?

Did all branch lines hold level?

List any branch lines and location of branch lines that did not hold level (if any):

All branch lines going to sump Box Q-2 were tested (test OK.) sewer Box needs concrete repairs on inside of box also box needs vacuumed out & cleaned, sewer cap at QT1 needs trap installed

Test Witness Signatures: W. Harris

Environmental: [illegible]

Western Representative: Ray Martinez

maximo

Work Order Details Report

WO #: WO285269
Job Plan: N/A
Safety Plan: N/A

Need to replace the underground process and wastewater line from B4 to B5 sump. It's

Comments:

Line was leaking during inspection of underground process and wastewater line.

Need to repair by 11/30/08.

If need more information please contact Environmental.

Thanks.

Status:	APPR	**Sched. Start Date:**		**Parent:**	
Report Date:	8/20/2008 6:49:00	**Sched. Finish Date:**		**Sequence:**	
				Requested By:	LMORGAN
Location:	20-PIPING	PROCESS PIPING			

Lead Craft	Work Type	Priority	GL Account	Contract
	ENV	4	2083010.5182.01	

This line was replaced by Ref-Chem. with new pipe.
line was tested on 9/17/08 R.M./AB 7AM: 102:00PM

attached are the maps for these WO.
Thanks
Loretta

Wednesday, August 20,

maximo

Work Order Details Report

WO #: WO285245

Job Plan: N/A

Safety Plan: N/A

underground process & wastewater sewer test for the DHT, SRU, and Treaters

Comments:

area. Estimated 87 lines that require testing. All testing MUST BE COMPLETED ON OR BEFORE 11/30/08. See CJ for maps & sewer test form, and list of lines that require testing.

thanks

Status:	APPR	Sched. Start Date:	Parent:
Report Date:	8/19/2008 9:14:00	Sched. Finish Date:	Sequence:
			Requested By: LMORGAN
Location:	60-ENVIRONM ENVIRONMENTAL		

Lead Craft	Work Type	Priority	GL Account	Contract
	ENV	5	2084060.5182.01	

9/17/08 AB. RM. 70 hrs
9/18/08 AB. RM. 50 hrs
9/19/08 AB. RM. 10 hrs
9/22/08 AB. RM. 10 hrs
9/23/08 AB RM. 6 1/2 hrs
9/27/08 AB RM. 3 1/2 hrs

9-27-08 High levels to high to open sewer box J. Rayne

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: Boiler House
Test Fluid: Water: Water
Test Water Column (ft.): 3'
Test Duration (min.): 40 min.
Manhole Number: B-4 TO B-5
Date: 9/17/08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

Test Witness Signatures:

Environmental:

Western Representative: Ray Martz

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: Boiler House
Test Fluid: Water: Water
Test Water Column (ft.): 3'
Test Duration (min.): 40 min
Manhole Number: B-4 TO B5
Date: 9/17/08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

Test Witness Signatures:

Environmental:

Western Representative: Ray Martz

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: Treater
Test Fluid: Water: Water
Test Water Column (ft.): 5'
Test Duration (min.): 30 min
Manhole Number: Q3
Date: 9-23-08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

Inlet line from Q-3 to Sump Box Q-2 was tested and line branches going into Q-3 sump box sewer lid needs to be replaced.

Test Witness Signatures: W. Hines

Environmental: [illegible]

Western Representative: Ra Martinez

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: Treaters
Test Fluid: Water: Water
Test Water Column (ft.): 5'
Test Duration (min.): 30 min
Manhole Number: Q-1
Date: 9-23-08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

Inlet line from sump Q2 to sump Box Q-1 was tested and all branch lines going into Q-1 were tested test-ok inlet 90s need to be replaced some are broken also concrete inside box needs repair, also sewer cup on Q-T3 needs trap installed

Test Witness Signatures: W. Harry

Environmental: [illegible]

Western Representative: Ray Martinez

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: Treaters SUMP A, C, A, A,
Test Fluid: Water: WATER
Test Water Column (ft.): 5
Test Duration (min.): 30 min
Manhole Number: Q2
Date: 9-23-08

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level?

Did all branch lines hold level?

List any branch lines and location of branch lines that did not hold level (if any):

All branch lines going to sump Box Q-2 were tested (test OK.) sewer Box needs concrete repairs on inside of box also box needs Vacuumed out & Cleaned, sewer cap at QT1 needs trap installed

Test Witness Signatures: W. Harris

Environmental: Alan N

Western Representative: Ray Martinez

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: SRU Building
Test Fluid: Water: Water
Test Water Column (ft.): 5'
Test Duration (min.): 40 min
Manhole Number: tested all sewer lines going to Manhole G-3
Date:

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

All Branch lines were tested going to G-3 Box found sewer drain Inside building was not tied into sewer drain, Cut out concrete and repaired the sewer drain on the North east corner of the building. (Re-tested test ok)

Test Witness Signatures: Ray Martinez

Environmental: [illegible]

Western Representative: Gilbert Martinez

maximo

Work Order Details Report

WO #: WO285245
Job Plan: N/A
Safety Plan: N/A

underground process & wastewater sewer test for the DHT, SRU, and Treaters

Comments:

area. Estimated 87 lines that require testing. All testing MUST BE COMPLETED ON OR BEFORE 11/30/08. See CJ for maps & sewer test form, and list of lines that require testing.

The OCD regulation requires testing at 3 PSI or greater. Past practice has been to test with a water column up to 4 foot above ground surface. To achieve 3 psi you must have a water column of 6.9 ft. So if the underground line being tested is 2 ft below ground surface the water column above ground surface would need to be 4.9 ft.

thanks

Status:	APPR	**Sched. Start Date:**		**Parent:**	
Report Date:	8/19/2008 9:14:00	**Sched. Finish Date:**		**Sequence:**	
				Requested By:	LMORGAN
Location:	60-ENVIRONM	ENVIRONMENTAL			

Lead Craft	Work Type	Priority	GL Account	Contract
	ENV	4	2084060.5182.01	

EMI 10 hrs 3 Persons

SRU CONCRETE

9-29-08

Gallup Refinery Sewer Test Form

Test Data for Main Line Upstream of Listed Manhole

Unit & Line #: SRU Building
Test Fluid: Water: Water
Test Water Column (ft.): 5'
Test Duration (min.): 40 min
Manhole Number: tested all sewer lines going to Manhole G-3
Date:

Were all process sewer cup branches from the above manholes filled with water to verify that branch lines held level? yes

Did all branch lines hold level? yes

List any branch lines and location of branch lines that did not hold level (if any):

All Branch lines were tested going to G-3 Box found sewer drain Inside building was not tied into sewer drain, Cut out concrete and Repaired the sewer drain on the North east corner of the building. (Re-tested test ok)

Test Witness Signatures: Ray Martinez

Environmental:

Western Representative: Gilbert Martez

maximo

Work Order Details Report

WO #: WO285245
Job Plan: N/A
Safety Plan: N/A

underground process & wastewater sewer test for the DHT, SRU, and Treaters

Comments:

area. Estimated 87 lines that require testing. All testing MUST BE COMPLETED ON OR BEFORE 11/30/08. See CJ for maps & sewer test form, and list of lines that require testing.

The OCD regulation requires testing at 3 PSI or greater. Past practice has been to test with a water column up to 4 foot above ground surface. To achieve 3 psi you must have a water column of 6.9 ft. So if the underground line being tested is 2 ft below ground surface the water column above ground surface would need to be 4.9 ft.

thanks

Status:	APPR	**Sched. Start Date:**		**Parent:**	
Report Date:	8/19/2008 9:14:00	**Sched. Finish Date:**		**Sequence:**	
				Requested By:	LMORGAN

Location: 60-ENVIRONM ENVIRONMENTAL

Lead Craft	Work Type	Priority	GL Account	Contract
	ENV	4	2084060.5182.01	

EMI 10 hrs 3 Persons

SRU CONCRETE

alm R

9-29-08

maximo

Work Order Details Report

WO #: WO285245
Job Plan: N/A
Safety Plan: N/A

underground process & wastewater sewer test for the DHT, SRU, and Treaters

Comments:

area. Estimated 87 lines that require testing. All testing MUST BE COMPLETED ON OR BEFORE 11/30/08. See CJ for maps & sewer test form, and list of lines that require testing.

thanks

Status:	APPR	**Sched. Start Date:**		**Parent:**	
Report Date:	8/19/2008 9:14:00	**Sched. Finish Date:**		**Sequence:**	
				Requested By:	LMORGAN

Location: 60-ENVIRONM ENVIRONMENTAL

Lead Craft	Work Type	Priority	GL Account	Contract
	ENV	5	2084060.5182.01	

9/17/08 AB. RM. 70 hrs
9/18/08 AB. RM. 50 hrs
9/19/08 AB, RM. 10 hrs
9/22/08 AB, RM. 10 hrs
9/23/08 AB RM. 6 1/2 hrs
9/27/08 AB RM. 3 1/2 hrs

9-29-08 Mgr leads to high to open sewer box J. Rayne

maximo

Work Order Details Report

WO #: WO285269
Job Plan: N/A
Safety Plan: N/A

Need to replace the underground process and wastewater line from B4 to B5 sump. It's

Comments:

Line was leaking during inspection of underground process and wastewater line.

Need to repair by 11/30/08.

If need more information please contact Environmental.

Thanks.

Status:	APPR	**Sched. Start Date:**		**Parent:**	
Report Date:	8/20/2008 6:49:00	**Sched. Finish Date:**		**Sequence:**	
				Requested By:	LMORGAN
Location:	20-PIPING	PROCESS PIPING			

Lead Craft	Work Type	Priority	GL Account	Contract
	ENV	4	2083010.5182.01	

This line was replaced by Ref-Chem. with new pipe
line was tested on 9/17/08 R.M./AB 7AM: 102:00PM

Attached
are the maps
for these WO.
Thanks
Loretta

Hal

Summary of All Leaks, Spills and Releases and Corrective Actions

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Western Refining	Contact: Beck Larsen
Address: I-40 / Exit 39	Telephone No.:(505) 722-0258
Facility Name: Western Refining (Gallup)	Facility Type: Petroleum Refinery

Surface Owner	Mineral Owner	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
T-107	28	15 N	15 W					McKinley

Latitude 108° 24' 040" **Longitude** 35° 29' 030"

NATURE OF RELEASE

Type of Release: Light Cat Gasoline	Volume of Release 22 bbls	Volume Recovered 0 bbls
Source of Release T-107	Date and Hour of Occurrence 11/11/2008 0300	Date and Hour of Discovery 11/11/2008 0300
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Message left with NMED & OCD	
By Whom? Beck Larsen	Date and Hour 11/11/2008 (0519 & 0527 respectively)	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
The Company experienced a large quantity of Light Cat Gasoline to the slop system (Tank 107). Communication could have been better leading to this event. Employees did not follow designated Company tank filling procedures. Tank 107 overfilled and ran down the sides as a result of not following these Company filling procedures. The Rundown valve at T-107 was immediately closed and the Lt Cat Gasoline was routed to T-235. The spill was contained within an earthen dike area around Tk-107. The onsite Fire Department immediately applied a foam blanket on top of the spilled area.

Describe Area Affected and Cleanup Action Taken.*
The spill was contained within an earthen dike berm area around Tk-107. The onsite Fire Department immediately applied a foam blanket on top of the spilled area until remediation of the effected area could be initiated. The foam and all liquids were cleaned up using vacuum trucks. Initial sampling and cleanup procedures are commencing requiring soil excavation of the affected area. The contaminated soil will then be shipped to an approved waste facility.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: James Gates DOA FOR MARK TURRI 11-14-08	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: Facility Manager	Approval Date:	Expiration Date:
E-mail Address: mark.turri@wnr.com	Conditions of Approval:	Attached ☐
Date: 11/13/2008 Phone: (505) 949-0904		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Western Refining: Gallup Refinery	Contact Bryon Holbrook
Address I-40, Exit 39, Jamestown NM 87347	Telephone No. 505-722-0258
Facility Name: Gallup Refinery	Facility Type Oil refinery

Surface Owner: Giant Industries, Inc.	Mineral Owner: Giant Industries, Inc.	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23 & 33	15N	15W					McKinley

Latitude 35°29'30" **Longitude** -108°24'40"

NATURE OF RELEASE

Type of Release: Ultra Low Sulfur Diesel Fuel	Volume of Release: 20 barrels (estimate)	Volume Recovered: 15 barrels (estimate)
Source of Release: Marketing Tank No. 1	Date and Hour of Occurrence: 3/7/08 @ 1405 hours	Date and Hour of Discovery: 3/7/08 @ 1415 hours
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? OCD - Carl Chavez NMED – Hope Monzeglio	
By Whom? Bryon Holbrook	Date and Hour 3/7/08 at 1615 hours	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Tank overfill. Marketing Tank No. 1 was on auto fill. The transfer pump did not switch off at the pre-selected level. An employee who was near the tank saw the spill and immediately notified the lab and the pump was shut off. Western will conduct a full investigation to determine the root cause of the overfill.
A vacuum truck was dispatched soon after the spill occurred to vacuum up the spilled diesel. The vacuum truck was able to recover 75% (estimate) of the spilled diesel.

Describe Area Affected and Cleanup Action Taken.* The release is restricted to the diked area surrounding the marketing tanks. None of the release made its way off of Western property. A vac truck was able to recover approximately 15 barrels of diesel. We estimate that approximately 5 barrels of diesel was released into the soil. We are taking core samples to determine the penetration of the diesel into the soil. The impacted soil will be removed and placed either directly into roll-off boxes or on plastic liner until additional boxes can be obtained. We will sample the excavated area to ensure all the diesel impacted soil has been removed. Upon OCD and NMED approval, the excavation will be back-filled with fresh clay after confirmatory sampling is conducted. Impacted soils anticipated either be landfarmed on site or taken off-site depending availability of space in landfarm.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Joel Quinones	Approved by District Supervisor:	
Title: Prod. Quality/Dist. Manager	Approval Date:	Expiration Date:
E-mail Address: joel.quinones@wnr.com	Conditions of Approval:	Attached ☐
Date: March 10, 2008 Phone: (505) 722-0260		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Western Refining: Gallup Refinery	Contact: Bryon Holbrook
Address: I-40, Exit 39, Jamestown NM 87347	Telephone No.: 505-722-0258
Facility Name: Gallup Refinery	Facility Type: Oil refinery

Surface Owner: Giant Industries, Inc.	Mineral Owner: Giant Industries, Inc.	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23 & 33	15N	15W					McKinley

Latitude 35°29'30" **Longitude** -108°24'40"

NATURE OF RELEASE

Type of Release: Fuel Oil	Volume of Release: 5 to 6 barrels (estimate)	Volume Recovered: 4 barrels
Source of Release: Tank 706	Date and Hour of Occurrence: 3/19/08 @ 1250hours (estimate)	Date and Hour of Discovery: 3/19/08 @ 1300 hours
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? OCD - Carl Chavez NMED – Hope Monzeglio	
By Whom? Jim Lieb	Date and Hour 3/20/08 at 0805 hours	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A pump seal failed while fuel oil was being pumped from Tank 706 to the loading rack. A pumper technician saw the leakage and immediately turned off the pump. The spill is contained within the dike surrounding the hot oil tanks.
A vacuum truck was dispatched soon after the spill occurred to vacuum up the spilled fuel oil. The vacuum truck was able to recover approximately 4 barrels of the spilled fuel oil.

Describe Area Affected and Cleanup Action Taken.* The release is in the area around the Tank 706 pump. None of the release made its way off of Western property. A Veolia vacuum truck was able to recover approximately 4 barrels of fuel oil. We estimate that approximately 1-2 barrels of fuel oil was released into the soil. We will take core samples to determine the penetration of the fuel oil into the soil. The impacted soil has been removed and placed directly into roll-off boxes or on plastic liner until additional boxes can be obtained. We will sample the excavated area to ensure that all the oil impacted soil has been removed. Upon OCD and NMED approval, the excavation will be back-filled with fresh clay after confirmatory sampling is conducted. Impacted soils will be taken off-site for land farming at an OCD approved facility (likely Envirotech in Farmington).

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Mark B. Turri	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: General Manager	Approval Date:	Expiration Date:
E-mail Address: mark.turri@wnr.com	Conditions of Approval:	Attached ☐
Date: March 26, 2008 Phone: (505) 722-0202		

Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company: Western Refining: Gallup Refinery	Contact: Bryon Holbrook
Address: I-40, Exit 39, Jamestown NM 87347	Telephone No.: 505-722-0258
Facility Name: Gallup Refinery	Facility Type: Oil refinery

Surface Owner: Giant Industries, Inc.	Mineral Owner: Giant Industries, Inc.	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23 & 33	15N	15W					McKinley

Latitude 35°29'30" **Longitude** -108°24'40"

NATURE OF RELEASE

Type of Release: Ultra Low Sulfur Diesel (ULSD) Fuel	Volume of Release: 200 to 300 barrels (estimate)	Volume Recovered: 274 barrels (estimate)
Source of Release: Tank 577	Date and Hour of Occurrence: 3/19/08 @ 1800hours	Date and Hour of Discovery: 3/19/08 @ 1830 hours
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? OCD - Carl Chavez NMED – Hope Monzeglio	
By Whom? Jim Lieb	Date and Hour 3/20/08 at 0805 hours	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
Tank overfill. A pumper technician was transferring ULSD to Tank 577. The tank mechanical level gauge stuck.
A vacuum truck was dispatched soon after the spill occurred to vacuum up the spilled diesel. The vacuum truck was able to recover 274 barrels of the spilled diesel.

Describe Area Affected and Cleanup Action Taken.* The release is restricted to the diked area surrounding Tank 577. None of the release made its way off of Western property. Western used its vacuum truck to recover approximately 274 barrels of diesel. We estimate that approximately 26 barrels of diesel was released into the soil. We will take core samples to determine the penetration of the diesel into the soil. The impacted soil was removed and placed on plastic liner. We will sample the excavated area to ensure all the diesel impacted soil has been removed. Upon OCD and NMED approval, the excavation will be back-filled with fresh clay after confirmatory sampling is conducted. Impacted soils will be placed in roll-off boxes and taken off-site for land farming at an OCD approved facility (likely Envirotech in Farmington).

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Mark B. Turri	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: General Manager	Approval Date:	Expiration Date:
E-mail Address: mark.turri@wnr.com	Conditions of Approval:	Attached ☐
Date: March 26, 2008 Phone: (505) 722-0260		

* Attach Additional Sheets If Necessary

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Western Refining Southwest Inc.	Contact Gaurav Rajen
Address I-40 Exit 39, Jamestown, NM 87347	Telephone No. 505-722-0227
Facility Name Gallup Refinery	Facility Type Oil refinery

Surface Owner Western Refining	Mineral Owner Western Refining	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23&33	15N	15W					McKinley

Latitude 35°29'22" **Longitude** 108°25'24"

NATURE OF RELEA

Type of Release Gasoline (Premium)	Volume of Release 200 barrels of gasoline (8400 gallons) estimate	Volume Recovered 2100 barrels of an oil and water mixture (with 190 barrels or 8000 gallons of oil in the mixture) estimate
Source of Release Overflow from Tank 116	Date and Hour of Occurrence 8/2/2008; before 6:45 am (approximately)	Date and Hour of Discovery 8/2/2008; 6:45 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Carl J. Chavez, NMEMNRD, Oil Conservation Division; Hope Monzeglio, NMED Hazardous Waste Bureau (via telephone)	
Whom? Gaurav Rajen	Date and Hour 8/2/2008 (approximately) 10:00 am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. Not applicable	

If a Watercourse was Impacted, Describe Fully.* Not applicable

Describe Cause of Problem and Remedial Action Taken.* At approximately 6:45 am on 8/2/2008, the Operations Supervisor discovered that Marketing Tank #2 was running over. This Marketing Tank #2 was running over at the roof vents and drains and spilling premium gasoline onto the soil within the area surrounded by a berm. No product left the containment area within the berm. Water and foam were sprayed on the spilled product for suppression of any possibility of fire. The response team used earth moving equipment to build up the containment barrier at that end of the containment berm at which product was collecting. This was done as a precautionary measure as the volume of liquid present was increasing from the water and the foam being sprayed onto the tank and being used to cover the spilled product. Product from the bottom of the tank was also drained out on to the ground to prevent further outflow from the roof drains – this action was taken as the outflow from the roof had a greater possibility of creating an explosive situation and draining directly on to the ground was preferable from a safety perspective. Either from the roof or the ground drain, the product was reaching the ground. This drain was disconnected from the sewer system which prevented any possibility of explosion within the sewers. This disconnect was previously in place from ongoing maintenance work. Water used to spray the tank was also entering into the tank, so water was emerging from the bottom drain along with product. There is a detailed investigation underway – the tank was overfilled, and the primary cause is yet to be determined.

Describe Area Affected and Cleanup Action Taken.*
The affected area within the berm had a surface area of approximately 10000 square feet with some vertical penetration of the gasoline (of as yet unknown depth, but, based on prior experience, presumed to be of the order of 2 feet or less).

The area was isolated through the use of barricades to prevent unauthorized intrusion. Two trucks with vacuum pumps were used on Saturday 8-2-2008 (21 loads) and Sunday 8-3-2008 (7 loads) to collect free liquids (product mixed with foam and water) from within the berm. Approximately 28 truck-loads of approximately 75 barrels per load were collected for a total of approximately 2100 barrels (88200 gallons). Visual observation of the area determined that there was 1 inch of gasoline floating on about a foot and greater of water – i.e. a 10:1 ratio of the water to oil mixture. This leads to an estimate of approximately 200 barrels of gasoline spilled onto the ground.

In further cleanup actions, contaminated soils will be excavated, confirmatory environmental samples will be collected and analyzed, and all contaminated materials will be disposed off in accordance with applicable regulations. There is a drainage ditch running alongside the bermed area that did not exhibit any signs of contamination apart from some limited spray of water from the fire suppression techniques employed. The water reaching the drainage ditch via the spray had not contacted any gasoline. This drainage ditch area will also be tested in the sampling and assessment to be undertaken.

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Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company Western Refining Southwest Inc.	Contact Gaurav Rajen
Address I-40 Exit 39, Jamestown, NM 87347	Telephone No. 505-722-0227
Facility Name Gallup Refinery	Facility Type Oil refinery

Surface Owner Western Refining	Mineral Owner Western Refining	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23&33	15N	15W					McKinley

Latitude 35°29'22" **Longitude** 108°25'24"

NATURE OF RELEASE

Type of Release Ultra-Low Sulfur Diesel (ULSD)	Volume of Release 45 barrels (1890 gallons) final estimate	Volume Recovered 12 barrels (500 gallons) estimate
Source of Release Overflow from Tank 116	Date and Hour of Occurrence 4/24/2008; 2:00 am (approximately)	Date and Hour of Discovery 4/24/2008; 2:50 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Carl J. Chavez, NMEMNRD, Oil Conservation Division; Hope Monzeglio, NMED Hazardous Waste Bureau (via telephone)	
By Whom? Gaurav Rajen and Cheryl Johnson	Date and Hour 4/24/2008 (approximately) 11:00 am	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. Not applicable	

If a Watercourse was Impacted, Describe Fully.* Not applicable

Describe Cause of Problem and Remedial Action Taken.* At approximately 2:50 am on 4/24/2008, the Operations Shifter discovered Tank 116 running over. The Pump Operator was notified and a transfer was started into Tank 583. Tank 116 had run over and spilled ULSD onto the soil within the area surrounded by a berm. A lesser amount of ULSD ran down within the foam line leading into the tank. Through a drain valve on the foam line that is buried in the ground outside the berm area, some ULSD leaked out onto a service road running adjacent to Tank 116. The operator used a backhoe to build a containment dike on this road outside the tank berm area, and the spill on the road was blocked from further migration.

Describe Area Affected and Cleanup Action Taken.*
The affected area within the berm had a surface area originally estimated as approximately 500 square feet with some vertical penetration of the ULSD. Through excavation and sampling, this area has a final estimate of approximately 1000 square feet, and of 2 feet depth. An affected area of approximately 500 feet in length and average 5 feet wide (ranging between 2-10 feet depending on the amount of pooling of the spilled material) lay along the service road. The material on the road surface penetrated to a depth of 3 inches (maximum) into the underlying surface as the road surface is partially paved.

A truck with a vacuum pump was used to collect free ULSD product from within the berm and on the service road. Absorbent material was placed on the spill along the road; and this area was isolated through the use of barricades. In further cleanup actions, contaminated soils were excavated, confirmatory environmental samples were collected and analyzed, and all contaminated materials disposed off in accordance with applicable regulations at a permitted landfill. Details are provided in the attached report.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Mark B. Turri	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: Refinery Manager – Gallup	Approval Date:	Expiration Date:
E-mail Address: mark.turri@wnr.com	Conditions of Approval:	Attached ☐
Date: 8-20-2009 Phone: 505-722-3833		

- Attach Additional Sheets If Necessary

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: Refinery Manager – Gallup	Approval Date:	Expiration Date:
E-mail Address: mturri@wnr.com	Conditions of Approval:	Attached ☐
Date: 8-4-2008 Phone: 505-722-3833		

- Attach Additional Sheets If Necessary

C-141 Final Report - Tank 116 Spill

1.0 Description of Site and Incident

Tank 116 is located within the northern tank farm area of the Gallup Refinery. Figure 1 depicts an aerial view of the refinery – and Tank 116 is described in a detailed image extracted from this picture.

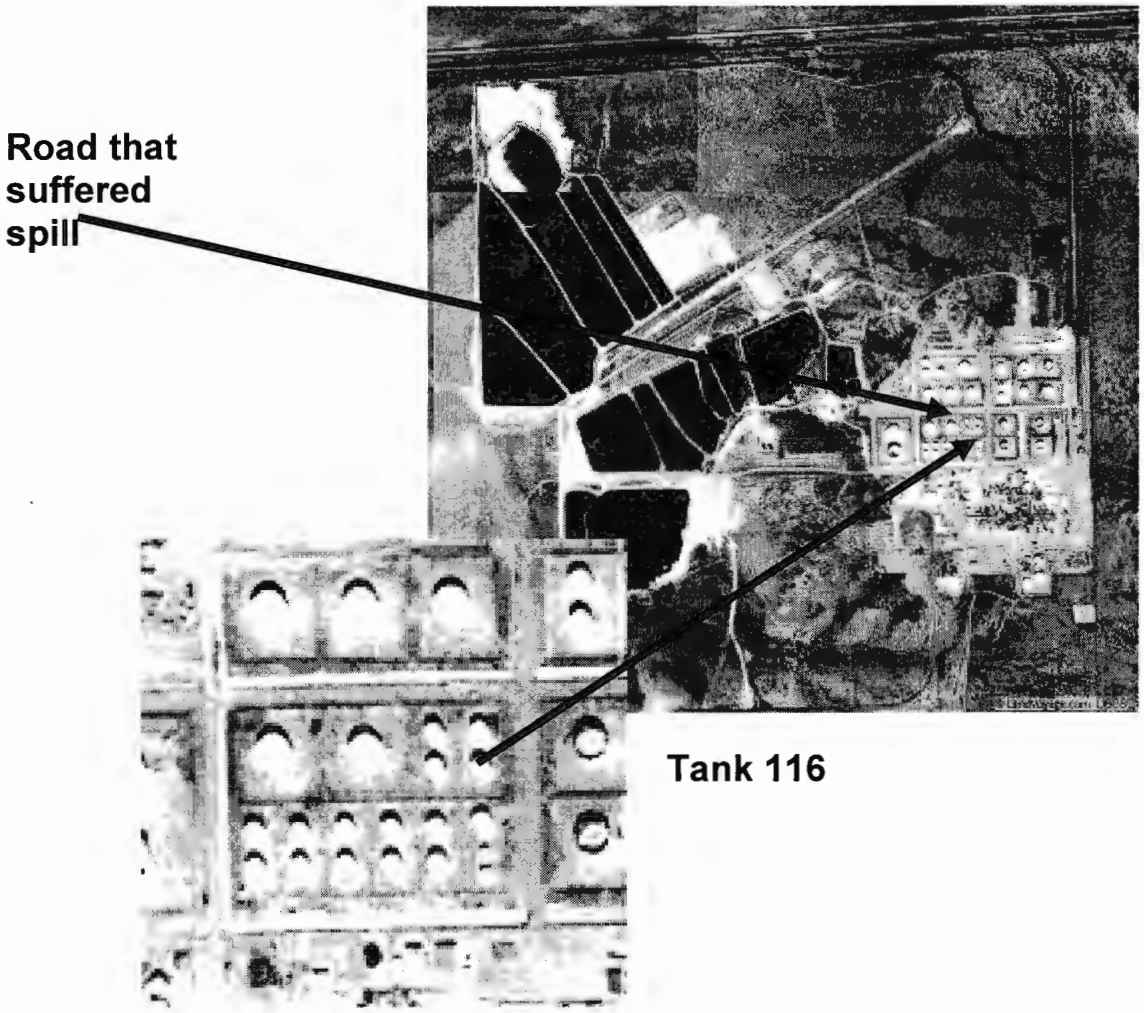


Figure 1: Location of Tank 116 within the Gallup Refinery

1.1 Nature of Spill Incident

At approximately 2:50 am on 4/24/2008, the Operations Shifter discovered Tank 116 running over. The Pump Operator was notified and a transfer was started into Tank 583. Tank 116 had run over and spilled Ultra Low Sulfur Diesel (ULSD) onto the soil within the area surrounded by a berm. A lesser amount of ULSD ran down within the foam line leading into the tank. This foam line is designed to provide foam into the tank to suppress fires in an emergency and has to be kept open. Through a drain valve on the foam line that is buried in the ground outside the berm area, some ULSD leaked out onto a service road running adjacent to Tank 116. The operator used a backhoe to build a containment dike on this road outside the tank berm area, and the spill on the road was blocked from further migration. Figure 2 depicts the spill around the tank within the area of the berm. The photograph presented in Figure 3 depicts the spill emanating from the buried drain valve that migrated along the service road.

Area around Tank 116, Tank 115, and within the berm affected by the ULSD spill

Figure 2: Photograph depicting contaminated areas within the berm adjacent to Tank 116 – Tank 116 is off the picture; much of the product flowed and collected next to Tank 115 which can be seen. At this time, maintenance work was ongoing on Tank 115 which is why heavy equipment is seen in the area.

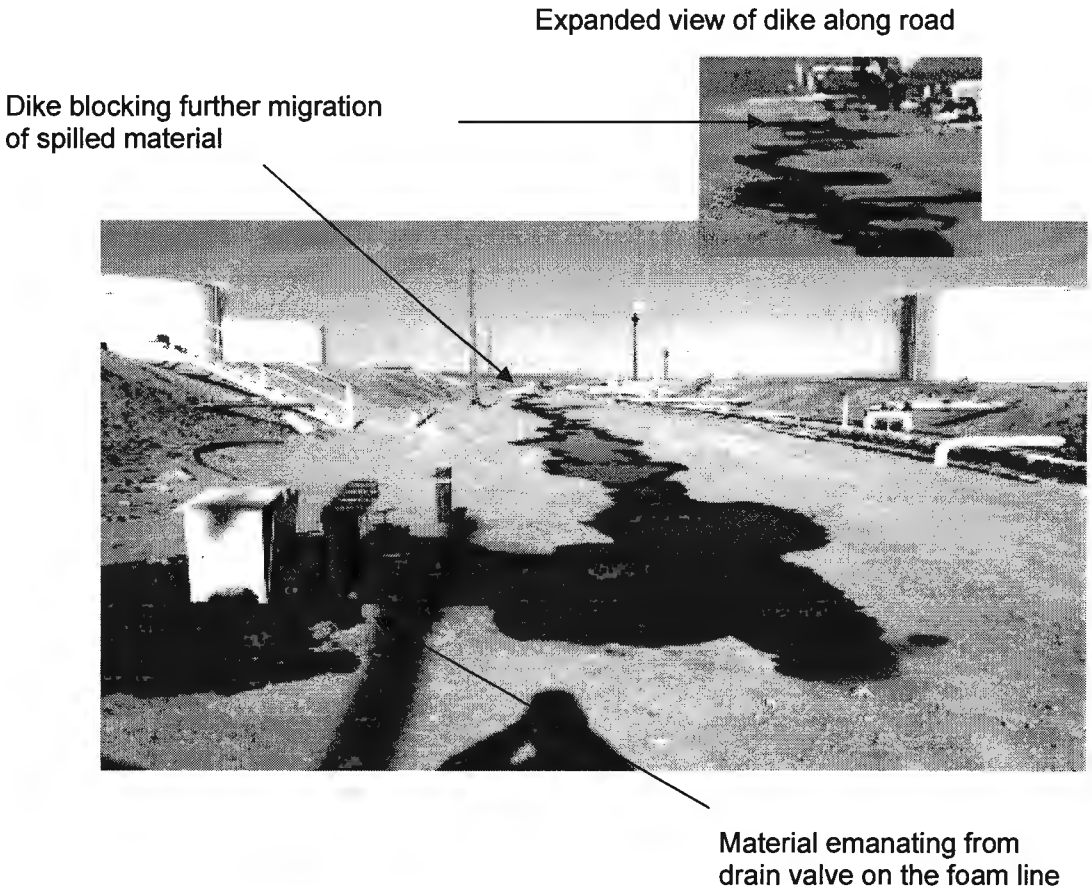


Figure 3: Photograph depicting spilled material along a service road adjacent to Tank 116.

2.0 Remediation Actions

Almost immediately following the spill, a vacuum truck was used to pick up free product (as much as possible), and absorbent material was placed on affected areas to soak up product remaining on the surface. Later, contaminated soil was excavated and stored on plastic in a staging area for later disposal in a permitted landfill. Figures 4-7 depict photographs of various stages of the excavation and subsequent clean-up of the area.

Figure 4: Excavation of contaminated soil in the area described in Figure 2. Note active pipeline towards the rear.

Figure 5: Preliminary excavation of contaminated soils near the drain pipes where product flowed out from the open foam line within the tank

Figure 6: Preliminary clean-up of road which had experienced run-off of product.

Figure 7: Final clean-up of affected area near Tank 116

After all free product had been removed and contaminated soil (from visual observation) excavated, we prepared a sampling plan and collected soil samples that were sent to Hall Environmental Analytical Laboratories for testing. The sampling locations and preliminary results for Diesel Range Organics (DRO) in red font are described in Figure 8. Appendix A presents details of the laboratory results. The composite samples were biased to locations where we could observe soil staining.

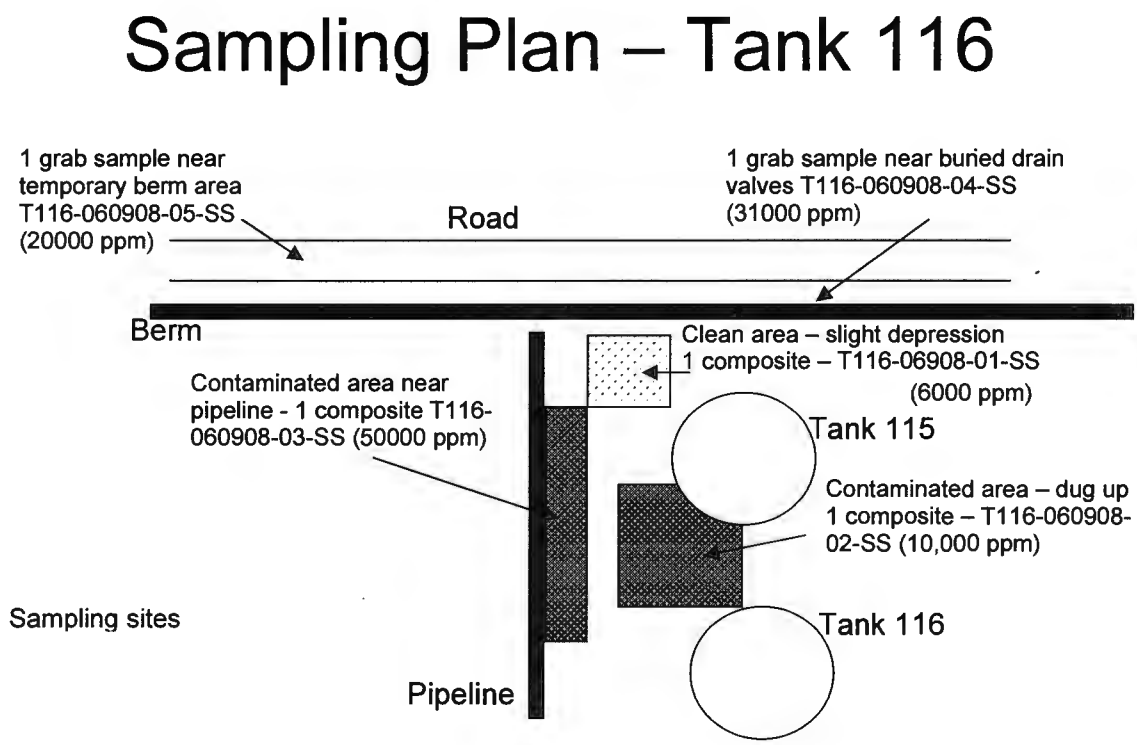


Figure 8: Preliminary sampling locations and results for DRO

These data showed levels of DRO from 6000 ppm to 50,000 ppm. The samples were also analyzed for Gasoline Range Organics (GRO) and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) using EPA-approved and OCD-recommended methods. GRO and BTEX were at non-detect levels. Based on these data, subsequent excavations were undertaken and the sites were sampled again. Figure 9 presents results from this second set of samples.

These tanks are an active work site. While waiting to receive the second set of laboratory results we were compelled to cover the excavated areas for safety reasons as depressions and excavations represent a safety hazard for personnel who continuously work around these tanks.

Sampling Plan – Tank 116

- Sampling sites

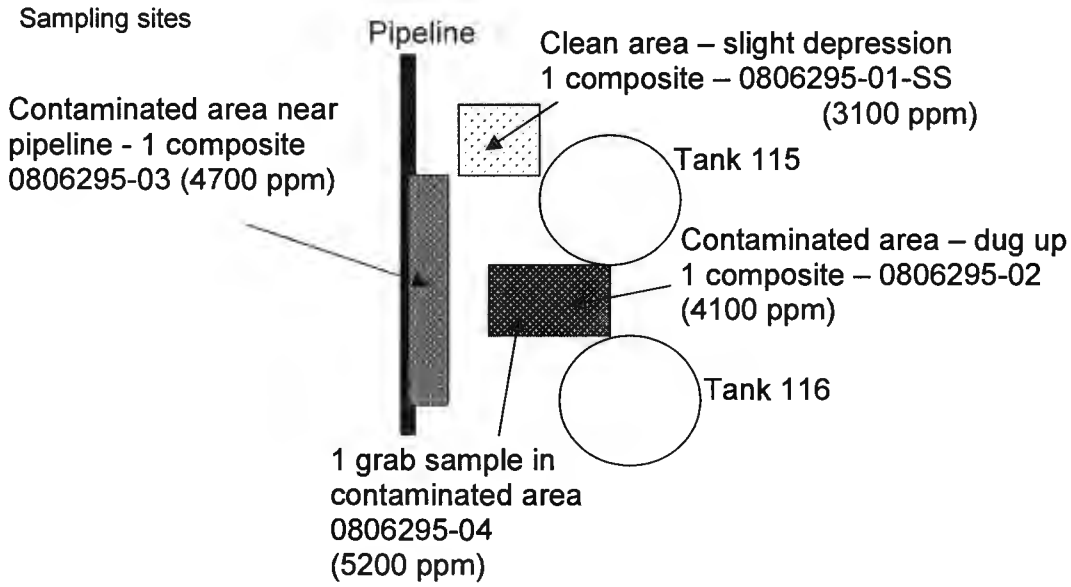


Figure 9: Second set of results after excavation had occurred.

Laboratory data for these samples are also presented in Appendix A. These results show levels of DRO of the order of 4000 - 5000 ppm that were found at the bottom of the excavated area even after 2 feet of contaminated dirt had been removed.

We have assessed the potential for contaminants from this current spill to migrate into the subsurface as being much less than 2 feet. We have excavated soils to this level and disposed off these soils at a permitted landfill. We believe that the levels of DRO being found below this level are probably from previous historical occurrences. Also, near the active pipelines located within the spill area that bring product in and out of the tanks it is not possible for us to excavate deeper without prejudice to the safety of these pipelines. We have reduced the levels of contamination by a factor greater than 10. However, there is some contamination at the level of approximately 4000 – 5000 ppm of DRO existing at the site.

3.0 Abatement Options

What can be done about possible past spills now that the site is covered?

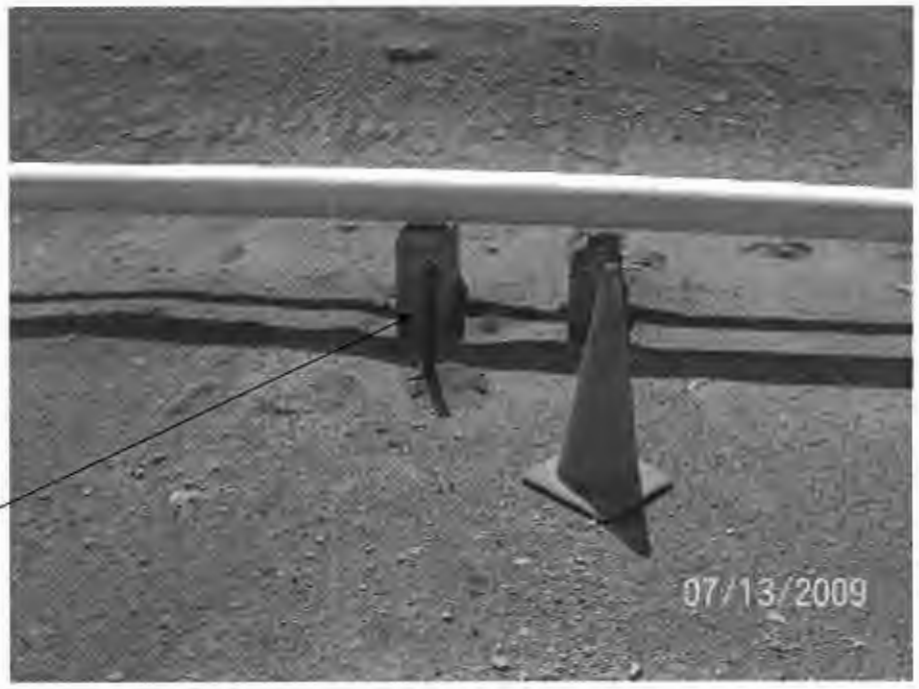
Our approach has been the following:

- We have modeled the likely spread of contaminants into the subsurface using an EPA-approved model called CHEMFLO. We assumed a loamy-clay soil with 1

foot of ponded liquids on top. No contamination was predicted to travel deeper than about 1-2 feet even if the liquids stayed at a 1 foot depth on the surface for over 1000 hours – this was not the case in practice as product was picked up within a few hours after the spill. Details are provided in Appendix A. This lends support to the conclusion that contaminated soils below two feet is probably from previous activities.

- We have carried out a test of passive venting at the site, using a perforated pipe emplaced in to the soil above an area of contamination and started collecting measurements of vapor concentrations within this pipe. Figure 10 depicts a photograph of the perforated pipe we constructed, and Figure 11 shows it in place near a pipeline where it is difficult to excavate.

Figure 10: Perforated pipe that has been constructed



Perforated pipe placed into the ground

Figure 11: Photograph of emplaced pipe – the section with holes is inside the ground

Over time, vapor concentrations found within the pipe varied considerably. To monitor these concentrations we used a sensitive hydrocarbon vapor detection system based on a flame ionization detector. The concentrations could have been varying because microbial activity within the ground was being enhanced by virtue of the perforated pipe allowing increased air to breathe into the soil. These changing levels could also be from diurnal variations in the flow of soil gases as the ground heats and cools. We monitored these levels for a period of 12 months. Then, we collected a soil sample from this location which was previously known to be at 4700 ppm of DRO. **This level is now 190 ppm**. Details of this set of samples are provided in Figure 12. (We were confident that the entire road surface and buried valve area had been entirely cleaned up – however, as confirmatory samples had not been taken we have collected these and results are also provided.) We will now place more such pipes with OCD's concurrence to reduce contamination that is known to exist within the ground. We also seek OCD's concurrence to postpone further excavation until an opportune time arises in the future, and/or the area is taken out of service.

Sampling Plan – Tank 116

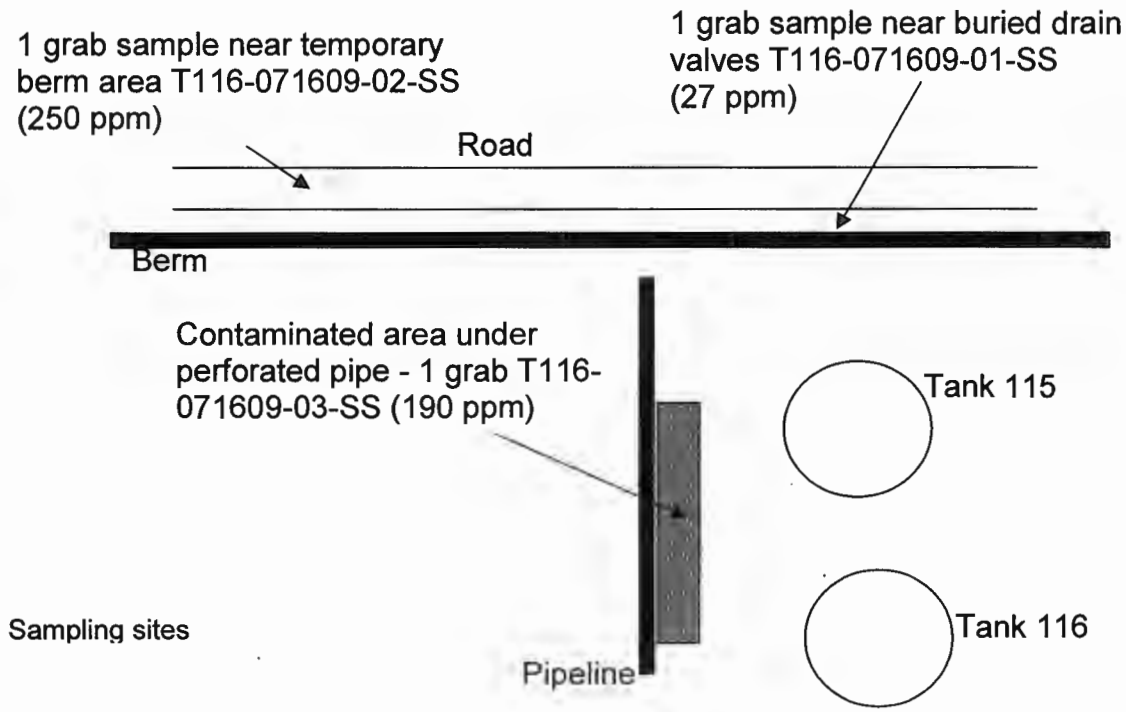


Figure 12: Last set of data from a third sampling event

4.0 Conclusions

As the spill site is an active work area, and because of the close proximity of functioning pipelines, we have been compelled to fill in the excavated areas (excavated to 2 feet) after having removed known contaminated dirt. We request the Oil Conservation Division (OCD) to allow us to add more perforated pipes at the location and continue to reduce the DRO levels that were found to exist at the site (of the order of 4000 – 5000 ppm). When this area is removed from service, we will clean up all contaminated soils to required levels if any are found.

APPENDIX A

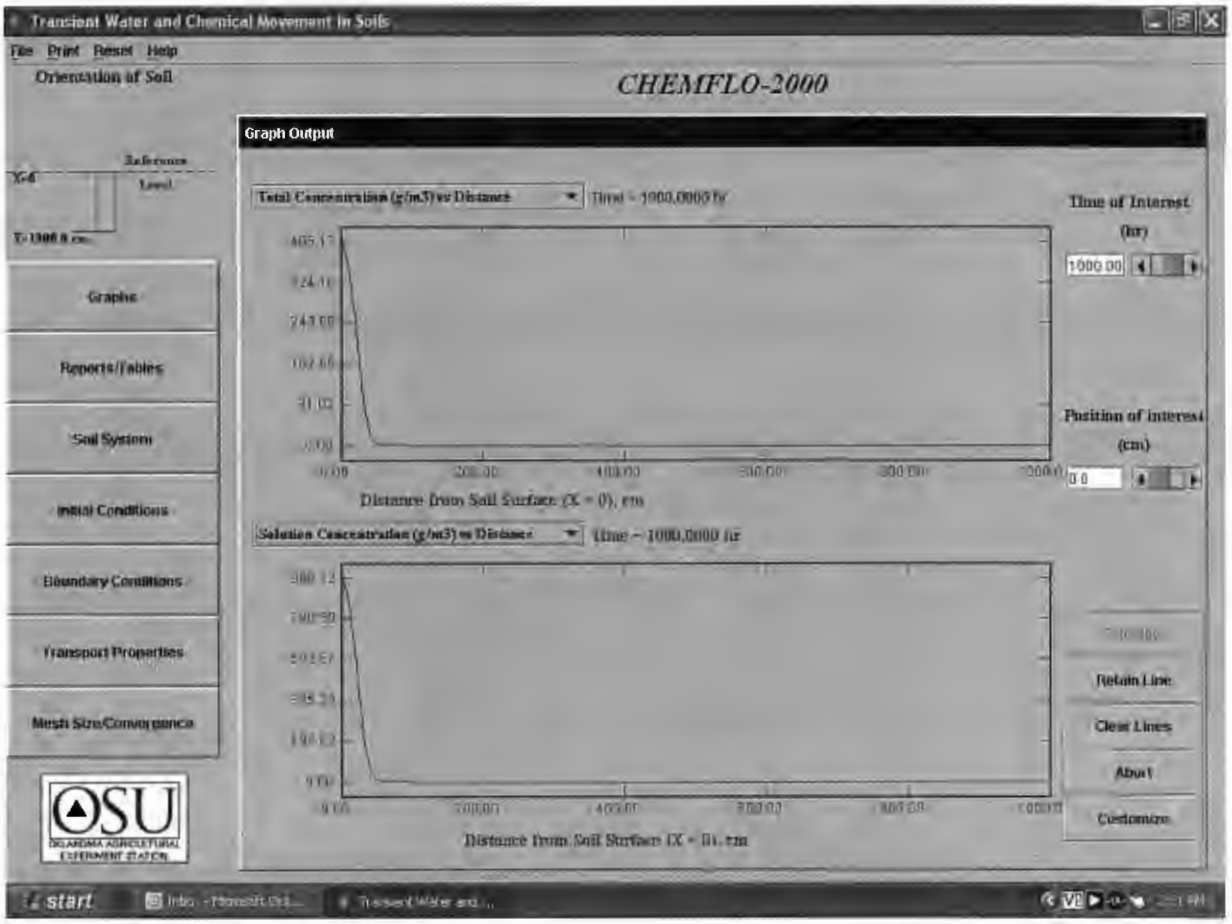


Figure A.1: Likely migration of contaminants into the subsurface – as can be seen, even after 1000 hours, no contamination is expected deeper than about 50 cm (1.6 feet). Therefore, it is extremely likely that contamination found deeper than 2 feet was from previous spills.

Assumptions in the model –

Figure A.2 presents details of the soil parameters built into the model. We assumed a sandy clay loam. Figure A.3 presents assumed chemical transport parameters.

CHEMFLO-2000

Select Soil of Interest

Soil: Sandy Clay Loam

◉ Finite Length Soil Soil Length (cm): 500.0

○ Semi-Infinite Soil

Angle of Inclination, (degrees): 90

Layer	Thickness (cm)	Conductivity Function	Water Characteristic Function	Organic Carbon (g/g)	Bulk Density (Mg/m3)
1	500.0	van Genuchten	van Genuchten	0.014	1.62
		K_s (cm/hr) = 1.31	θ_s (v/v) = 0.39		
		α (1/cm) = 0.059	θ_r (v/v) = 0.1		
		n = 1.48	α (1/cm) = 0.059		
			n = 1.48		

Figure A.2: Assumed soil parameters

CHEMFLO-2000

Transport Properties

Diffusion Coefficient of Chemical in Water(cm2/hr)	0.03528
Dispersivity (cm)	0.12
Uniform Partition Coefficient (m3/Mg soil)	0.095
Uniform 1st-Order Degradation Const. in Liquid (1/hr)	0.47
Uniform 1st-Order Degradation Const. on Solids (1/hr)	0.0004
Uniform Zero-Order Production Constant (g/m3/hr)	0.0

Figure A.3: Assumed chemical transport properties

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Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Western Refining Southwest Inc.	Contact Gaurav Rajen
Address I-40 Exit 39, Jamestown, NM 87347	Telephone No. 505-722-0227
Facility Name Gallup Refinery	Facility Type Oil refinery

Surface Owner Western Refining	Mineral Owner Western Refining	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23&33	15N	15W					McKinley

Latitude 35°29'22" **Longitude** 108°25'24"

NATURE OF RELEASE

Type of Release Gasoline (87 Octane)	Volume of Release 50 barrels of gasoline (2100 gallons) estimate	Volume Recovered In process
Source of Release Overflow from Marketing Tank # 3	Date and Hour of Occurrence 8/7/2008; 4:15 pm (approximately)	Date and Hour of Discovery 8/7/2008; 4:30 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Carl J. Chavez, NMEMNRD, Oil Conservation Division; Hope Monzeglio, NMED Hazardous Waste Bureau (via telephone)	
By Whom? Gaurav Rajen	Date and Hour 8/7/2008 (approximately) 5:00 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. Not applicable	

If a Watercourse was Impacted, Describe Fully.* Not applicable

Describe Cause of Problem and Remedial Action Taken.* At approximately 4:15 pm on 8/7/2008, the Operations Supervisor discovered that Marketing Tank #3 was running over. This Marketing Tank #3 was running over at the roof drains and spilling 87 Octane Gasoline onto the soil within the area surrounded by a berm. No product left the containment area within the berm. Water and foam were sprayed on the spilled product for suppression of any possibility of fire. There is a detailed investigation underway – the tank was overfilled, and the primary cause is yet to be determined.

Describe Area Affected and Cleanup Action Taken.*
The affected area within the berm had a surface area of approximately 10000 square feet with some vertical penetration of the gasoline (of as yet unknown depth, but, based on prior experience, presumed to be of the order of 2 feet or less).

The area was isolated through the use of barricades to prevent unauthorized intrusion. Trucks with vacuum pumps will be used to collect free liquids (product mixed with foam and water) from within the berm. Given the duration of the discharge from the drain pipes, and the tank and pipe geometry, the estimate of the spill is approximately 50 barrels of gasoline spilled onto the ground.

In further cleanup actions, contaminated soils will be excavated, confirmatory environmental samples will be collected and analyzed, and all contaminated materials will be disposed off in accordance with applicable regulations. There is a drainage ditch running alongside the bermed area that did not exhibit any signs of contamination apart from spray of water and foam from the fire suppression techniques employed. The water reaching the drainage ditch via the spray had not contacted any gasoline. This drainage ditch area will also be tested in the sampling and assessment to be undertaken.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: Refinery Manager – Gallup	Approval Date:	Expiration Date:
E-mail Address: mturri@wnr.com	Conditions of Approval:	Attached ☐
Date: 8-4-2008 Phone: 505-722-3833		

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Western Refining Southwest Inc.	Contact Gaurav Rajen
Address I-40 Exit 39, Jamestown, NM 87347	Telephone No. 505-722-0227
Facility Name Gallup Refinery	Facility Type Oil refinery

Surface Owner Western Refining	Mineral Owner Western Refining	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23&33	15N	15W					McKinley

Latitude 35°29'22" **Longitude** 108°25'24"

NATURE OF RELEASE

Type of Release Gasoline (87 Octane)	Volume of Release 50 barrels of gasoline (2100 gallons) estimate	Volume Recovered In process
Source of Release Overflow from Marketing Tank # 3	Date and Hour of Occurrence 8/7/2008; 4:15 pm (approximately)	Date and Hour of Discovery 8/7/2008; 4:30 pm
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Carl J. Chavez, NMEMNRD, Oil Conservation Division; Hope Monzeglio, NMED Hazardous Waste Bureau (via telephone)	
By Whom? Gaurav Rajen	Date and Hour 8/7/2008 (approximately) 5:00 pm	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. Not applicable	

If a Watercourse was Impacted, Describe Fully.* Not applicable

Describe Cause of Problem and Remedial Action Taken.* At approximately 4:15 pm on 8/7/2008, the Operations Supervisor discovered that Marketing Tank #3 was running over. This Marketing Tank #3 was running over at the roof drains and spilling 87 Octane Gasoline onto the soil within the area surrounded by a berm. No product left the containment area within the berm. Water and foam were sprayed on the spilled product for suppression of any possibility of fire. There is a detailed investigation underway – the tank was overfilled, and the primary cause is yet to be determined.

Describe Area Affected and Cleanup Action Taken.*
The affected area within the berm had a surface area of approximately 10000 square feet with some vertical penetration of the gasoline (of as yet unknown depth, but, based on prior experience, presumed to be of the order of 2 feet or less).

The area was isolated through the use of barricades to prevent unauthorized intrusion. Trucks with vacuum pumps will be used to collect free liquids (product mixed with foam and water) from within the berm. Given the duration of the discharge from the drain pipes, and the tank and pipe geometry, the estimate of the spill is approximately 50 barrels of gasoline spilled onto the ground.

In further cleanup actions, contaminated soils will be excavated, confirmatory environmental samples will be collected and analyzed, and all contaminated materials will be disposed off in accordance with applicable regulations. There is a drainage ditch running alongside the bermed area that did not exhibit any signs of contamination apart from spray of water and foam from the fire suppression techniques employed. The water reaching the drainage ditch via the spray had not contacted any gasoline. This drainage ditch area will also be tested in the sampling and assessment to be undertaken.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: Refinery Manager – Gallup	Approval Date:	Expiration Date:
E-mail Address: mturri@wnr.com	Conditions of Approval:	Attached ☐
Date: 8-4-2008 Phone: 505-722-3833		

TABLE A.15. SPILLS AND MISCELLANEOUS WASTE STREAMS,
WESTERN REFINING, LLC, GALLUP REFINERY, GALLUP, NEW MEXICO

Source	Controlled/ Uncontrolled	Disposition	Percent Aqueous	Percent Organic	Hydrocarbon Density (lbs/ft^3)	Benzene Aqueous (mg/L)	Benzene Organic (mg/kg)	Total Benzene in Waste (ppmw)	Volume (gallons)	Total Annual Benzene (Mg/yr)	Notes
Tank Farm Process Pipe Rack Fuel Oil	Uncontrolled	Ground	0	100	54.7	0.00	283.00	283.00	42.00	0.00004	a,b,d,e
Railrack Spot #12 West Fuel Oil	Uncontrolled	Ground	0	100	54.7	0.00	283.00	283.00	2.00	0.00000	a,b,d,e
Diesel House Tank (Diesel)	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	20.00	0.00001	a,b,d,e
T-344 Varec Gauge Platformate	Uncontrolled	Ground	0	100	50.1	0.00	12364.00	12364.03	5.00	0.00019	a,b,d,e
T-105 and Flare KO Drum Drain Line (Slop and Water)	Uncontrolled	Ground	20	80	50.7	0.00	2632.86	2013.09	84.00	0.00054	a,b,d,e
LCO Charge Pump to DHT (LCO)	Uncontrolled	Ground	0	100	56.2	0.00	121.50	121.50	210.00	0.00009	a,c,d,e
Marketing Tank 1 Overfill Diesel	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	840.00	0.00057	a,b,d,e
Tank 706 Pumpseal Failure Fuel Oil	Uncontrolled	Ground	0	100	54.7	0.00	281.30	281.30	210.00	0.00020	a,b,d,e
Tank 577 Overfill ULSD	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	12600.00	0.00856	a,b,d,e
Tank 116 Overfill Diesel	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	3150.00	0.00214	a,b,d,e
Loading Arm LCO	Uncontrolled	Ground	0	100	56.2	0.00	121.50	121.50	3.00	0.00000	a,c,d,e
Z-81-T-9 Quincy Tank Diesel	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	5.00	0.00000	a,b,d,e
Marketing Tank 2 Gasoline	Uncontrolled	Ground	0	100	48.9	0.00	8174.78	8174.80	8400.00	0.20340	a,b,d,e
Marketing Tank 3 Gasoline	Uncontrolled	Ground	0	100	48.9	0.00	8174.78	8174.80	2100.00	0.05085	a,b,d,e
Tank 565 Spill Natural Gasoline	Uncontrolled	Ground	0	100	46.8	0.00	3470.00	3470.01	5.00	0.00005	a,b,d,e
Diesel Additive Pad Diesel Spill	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	15.00	0.00001	a,b,d,e
Tank 235 Slop Oil	Uncontrolled	Ground	0	100	50.7	0.00	2632.86	2632.87	2.00	0.00002	a,b,d,e
Z-81-T9 Diesel	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	10.00	0.00001	a,b,d,e
Deprop. Reboiler A-325 Diesel	Uncontrolled	Ground	0	100	53.4	0.00	210.13	210.13	3.00	0.00000	a,b,d,e
Tank 107 Overfill Slop Oil	Uncontrolled	Ground	0	100	50.7	0.00	2632.86	2632.87	924.00	0.00747	a,b,d,e
T-226 Kerosene	Uncontrolled	Ground	0	100	48.7	0.00	166.00	166.00	2100.00	0.00103	a,b,d,e
Flare KO Drum	Uncontrolled	Process Sewer	90	10	41.4	1.78	1780.00	123.87	0.17	0.00000	a,e,f,g,h
										TAB (Mg/yr)	
										0.27519	

Notes

Hydrocarbon density is based on similar streams at other refineries.

Organic benzene concentration is based on similar streams at other refineries.

Organic benzene concentration is based on average of samples collected in February 2009.

Volume is based on Refinery 2008 spill records.

Aqueous/organic phase percentage is based on process knowledge.

Volume is based on Refinery 2007 spill records.

Consistent with data collected at other refineries, assume benzene concentration in organic phase is 100 times that of the aqueous phase.

Aqueous benzene concentration based on average of samples collected in 2008.

CleanHarbors
ENVIRONMENTAL SERVICES®

BENZENE NESHAP QUESTIONNAIRE **Profile Number** CN344197B

This form is for industries with SIC codes that are potentially subject to the Benzene NESHAP regulation that requires Clean Harbors to follow additional recordkeeping procedures (40 CFR 61 Subpart FF)

1. Does the hazardous waste stream come from a facility with one of the following SIC codes listed under the NESHAP?

NESHAP SIC CODES

2812	2813	2816	2819	2821	2822	2823	2824	2833	2834
2835	2836	2841	2842	2843	2844	2851	2861	2865	2869
2873	2874	2879	2891	2892	2893	2895	2899	2911	3312
4953									

A. Yes ☒ If yes, please circle the appropriate SIC code(s). B. No ☐ If no, skip to #6

If your SIC code is 3312, do you perform COKE oven byproduct recovery operations? A. Yes ☐ B. No ☐

If your SIC code is 4953, does your facility accept wastes from chemical manufacturing plants, coke by-product recovery plants or petroleum refineries? A. Yes ☐ B. No ☐

2. Does this hazardous waste contain benzene? A. Yes ☒ (Go to #3) B. No ☐ (Go to #6)

3. What is the Total Annual Benzene (TAB) for the facility that generated this waste?

A. 5.77 Megagrams[1]/year (1 Mg = 2200 lbs.)

B. For what calendar year was the TAB calculated? 2007

4. What is the Total Benzene concentration in your waste?

A. _____ percent B. 7.1 ppmw (7.1 mg/L)

The basis for this benzene concentration is: ☐ Knowledge of the Waste **OR** ☒ Test Data

If knowledge, please describe the knowledge that you rely upon in making this claim: _____

If testing, please attach analytical. Date of the sampling data ALREADY SENT VIA email

Has the process that generates the benzene-containing waste stream materially changed since the time of your evaluation based on testing or knowledge? ☐ Yes ☐ No

5. Does the waste contain >10% water? A. Yes ☐ B. No ☒

If yes, the average concentration of water is _____%.

6. CERTIFICATION:

I certify that all information (including attachments) is complete and factual and is accurate representation of the known and suspected hazards, pertaining to the waste described herein. If the concentration of benzene in this waste stream is represented as a range, I certify that the actual benzene concentration in the waste being shipped is not greater than the maximum of the range listed. I will notify Clean Harbors if any of the above information changes.

Signature: [signature] Company Name: Western Refining Southwest Inc.

Printed Name: Cheryl Johnson Title: Environ. Specialist Date: 12/9/08

[1] Benzene NESHAP wastes generated at 10 Megagram or greater facilities require a notification statement to accompany each shipment [40 CFR 61.342(f)(2)]

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

Surface Waste Management Facility Operator And Generator shall maintain and make this Documentation available for Division Inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Western Refining Southwest Inc., Route 3 Box 7, Gallup, NM 87301

2. Originating Site: Western Refining Southwest Inc., Gallup, Refinery, I-40 Exit 39, Jamestown, NM 87347

3. Location of Material (Street address, City, State or ULSTR):
I-40 Exit 39, Jamestown, NM 87347

4. Source and Description of Waste: Excavated petroleum contaminated soil from a refined product, diesel fuel spill at Tank 116 mixed with sandblast media. On 4-24-08, T-116 was overfilled causing product to run over the top and down the sides of the tank. Approximately 75 bbls of product was spilled to ground surface inside bermed area. 80% of product was recovered with a vacuum truck. There was sandblast media on ground surface from maintenance (sandblast & painting) work inside of T-115. There was also one pallet of sandblast media in the area at time of spill. The pooling of the diesel spill contaminated the bags of sandblast media causing the bags to tear and get mixed in with the contaminated soil. (approximately 8 bags).
Estimated Volume 200 yd³ Known Volume (to be entered by the operator at the end of the haul) _____ yd³/bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Cheryl Johnson, representative or authorized agent for Western Refining Southwest, Inc., do hereby certify that According to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory Determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-Exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ *Monthly* ☐ *Weekly* ☐ *Per Load*

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by Characteristics established in RCRA regulations, 40 CRF 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, Subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)
☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, **Cheryl Johnson**, representative for **Western Refining Southwest, Inc.** do hereby certify that representative Samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been Found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the Representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter:
Rinchem Company, Inc. 505-998-4143

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: **GANDY MARLEY, INC. NM-711-1-0019**

Address of Facility: **PO BOX 1658, ROSWELL, NM 88202**

Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:
☒ **APPROVED** ☐ **DENIED** (Must be Maintained as Permanent Record)

PRINT NAME: Mike Marley TITLE: Secretary / Treasurer DATE: 11-6-08

SIGNATURE: Mike Marley Telephone NO. **FACILITY 575-398-0107, OFFICE 575-347-0434**
Surface Waste Management Facility Authorized Agent

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Western Refining Southwest Inc.	Contact Gaurav Rajen
Address I-40 Exit 39, Jamestown, NM 87347	Telephone No. 505-722-0227
Facility Name Gallup Refinery	Facility Type Oil refinery

Surface Owner Western Refining	Mineral Owner Western Refining	Lease No.

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	23&33	15N	15W					McKinley

Latitude 35°29'22" **Longitude** 108°25'24"

NATURE OF RELEASE

Type of Release Ultra-Low Sulfur Diesel (ULSD)	Volume of Release 75 barrels (3150 gallons) estimate	Volume Recovered 12 barrels (500 gallons) estimate
Source of Release Overflow from Tank 116	Date and Hour of Occurrence 4/24/2008; 2:00 am (approximately)	Date and Hour of Discovery 4/24/2008; 2:50 am
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Carl J. Chavez, NMEMNRD, Oil Conservation Division; Hope Monzeglio, NMED Hazardous Waste Bureau (via telephone)	
By Whom? Gaurav Rajen and Cheryl Johnson	Date and Hour 4/24/2008 (approximately) 11:00 am	
Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. Not applicable	

If a Watercourse was Impacted, Describe Fully.* Not applicable

Describe Cause of Problem and Remedial Action Taken.* At approximately 2:50 am on 4/24/2008, the Operations Shifter discovered Tank 116 running over. The Pump Operator was notified and a transfer was started into Tank 583. Tank 116 had run over and spilled ULSD onto the soil within the area surrounded by a berm. A lesser amount of ULSD ran down within the foam line leading into the tank. Through a drain valve on the foam line that is buried in the ground outside the berm area, some ULSD leaked out onto a service road running adjacent to Tank 116. The operator used a backhoe to build a containment dike on this road outside the tank berm area, and the spill on the road was blocked from further migration.

Describe Area Affected and Cleanup Action Taken.*
The affected area within the berm had a surface area less than approximately 500 square feet with some vertical penetration of the ULSD (of as yet unknown depth, but, based on prior experience, presumed to be of the order of 1-2 feet maximum). An affected area of approximately 500 feet in length and 2-10 feet wide (depending on the amount of pooling of the spilled material) lay along the service road. The material on the road surface is expected to have penetrated to a depth of the order of a few inches (maximum) into the underlying surface as the road surface is partially paved.

A truck with a vacuum pump was used to collect free ULSD product from within the berm and on the service road. Absorbent material was placed on the spill along the road; and this area was isolated through the use of barricades. In further cleanup actions, contaminated soils will be excavated, confirmatory environmental samples will be collected and analyzed, and all contaminated materials will be disposed off in accordance with applicable regulations.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Mark B. Turri	OIL CONSERVATION DIVISION	
Printed Name: Mark B. Turri	Approved by District Supervisor:	
Title: Refinery Manager – Gallup	Approval Date:	Expiration Date:
E-mail Address: mturri@wnr.com	Conditions of Approval:	Attached ☐
Date: 4-30-2008 Phone: 505-722-0833		

- Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

Surface Waste Management Facility Operator And Generator shall maintain and make this Documentation available for Division Inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Western Refining Southwest Inc., Route 3 Box 7, Gallup, NM 87301

2. Originating Site:
Western Refining Southwest Inc., Gallup Refinery, I-40 Exit 39, Jamestown, NM 87347

3. Location of Material (Street address, City, State or ULSTR):
I-40 Exit 39, Jamestown, NM 87347

4. Source and Description of Waste:
Excavated petroleum contaminated soil from a refined product, diesel fuel leak at the Boiler House.

Estimated Volume 260 yd³ Known Volume (to be entered by the operator at the end of the haul) yd³/bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Cheryl Johnson, representative or authorized agent for Western Refining Southwest, Inc., do hereby certify that According to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory Determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-Exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ *Monthly* ☐ *Weekly* ☐ *Per Load*

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by Characteristics established in RCRA regulations, 40 CRF 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, Subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Cheryl Johnson, representative for Western Refining Southwest, Inc., do hereby certify that representative Samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been Found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the Representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter:
Rinchem Company, Inc.

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: GANDY MARLEY, INC. PERMIT NO. 711-1-0019
Address of Facility: PO BOX 1658, ROSWELL, NM 88202

Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:
☒ **APPROVED** ☐ **DENIED** (Must be Maintained as Permanent Record)

PRINT NAME: Mike Marley TITLE: Secietary/Treasurer DATE: 11-7-08

SIGNATURE: Mike Marley Telephone NO. Facility 575-398-0107, OFFICE 575-347-0434
Surface Waste Management Facility Authorized Agent

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

COPY

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

*Surface Waste Management Facility Operator and Generator shall maintain and make this documentation available for Division inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address:
Western Refining Company, I-40 @ Exit 39, Jamestown, NM 87347

2. Originating Site:
Western Refining Company, I-40 @ Exit 39, Jamestown, NM 87347

3. Location of Material (Street Address, City, State or ULSTR):
Western Refining Company, I-40 @ Exit 39, Jamestown, NM 87347

4. Source and Description of Waste: Excavated Petroleum Contaminated Soil from a refined product diesel fuel spill at Tk 577 (ULSD).

Estimated Volume 350 yd^3 / bbls Known Volume (to be entered by the operator at the end of the haul) _____ yd^3 / bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Bryon Holbrook, representative or authorized agent for Western Refining Company do hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste. *Operator Use Only: Waste Acceptance Frequency ☐ Monthly ☐ Weekly ☐ Per Load*

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☒ MSDS Information ☐ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, _____, representative for Envirotech Inc do hereby certify that representative samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter:

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc. Soil Remediation Facility Permit # NM-01-0011

Address of Facility: Hilltop, New Mexico

Method of Treatment and/or Disposal:

☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:

☐ **APPROVED** ☐ **DENIED** (Must Be Maintained As Permanent Record)

PRINT NAME: Bryon Holbrook TITLE: Environmental Engineer DATE: 3-24-08

SIGNATURE: Bryon Holbrook TELEPHONE NO.: 505-632-0615
Surface Waste Management Facility Authorized Agent

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

Surface Waste Management Facility Operator And Generator shall maintain and make this Documentation available for Division Inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Western Refining Southwest Inc., Route 3 Box 7, Gallup, NM 87301

2. Originating Site:
Western Refining Southwest Inc., Gallup Refinery, I-40 Exit 39, Jamestown, NM 87347

3. Location of Material (Street address, City, State or ULSTR):
I-40 Exit 39, Jamestown, NM 87347

4. Source and Description of Waste:
Excavated petroleum contaminated soil from a refined product, diesel fuel spill at T577 (ULSD)

Estimated Volume 300 yd³ Known Volume (to be entered by the operator at the end of the haul) _____ yd³/bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Cheryl Johnson, representative or authorized agent for Western Refining Southwest, Inc., do hereby certify that According to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory Determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-Exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ *Monthly* ☐ *Weekly* ☐ *Per Load*

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by Characteristics established in RCRA regulations, 40 CRF 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, Subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☒ MSDS Information ☒ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, _____, representative for _____ do hereby certify that representative Samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been Found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the Representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter:
Rinchem Company, Inc.

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: Envirotech Inc., Soil Remed

Address of Facility: Hilltop, New Mexico

Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plai

Waste Acceptance Status:
☐ **APPROVED**

5/29/08

nanent Record)

PRINT NAME: _____ TITLE: _____

T577 - Sampled for Closure 6/23/08

SIGNATURE: _____
Surface Waste Management Facility Authorized Agent

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-138
Revised March 12, 2007

Surface Waste Management Facility Operator And Generator shall maintain and make this Documentation available for Division Inspection.

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. Generator Name and Address: Western Refining Southwest Inc., Route 3 Box 7, Gallup, NM 87301

2. Originating Site: Western Refining Southwest Inc. Gallup Refinery, I-40 Exit 39, Jamestown, NM 87347

3. Location of Material (Street address, City, State or ULSTR):
I-40 Exit 39, Jamestown, NM 87347

4. Source and Description of Waste:
Excavated petroleum contaminated soil from a refined product, kerosene spill at Tank 226.

Estimated Volume 198 yd³ Known Volume (to be entered by the operator at the end of the haul) yd³/bbls

5. GENERATOR CERTIFICATION STATEMENT OF WASTE STATUS

I, Cheryl Johnson, representative or authorized agent for Western Refining Southwest, Inc., do hereby certify that According to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory Determination, the above described waste is: (Check the appropriate classification)

☐ RCRA Exempt: Oil field wastes generated from oil and gas exploration and production operations and are not mixed with non-Exempt waste. *Operator Use Only: Waste Acceptance Frequency* ☐ *Monthly* ☐ *Weekly* ☐ *Per Load*

☒ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by Characteristics established in RCRA regulations, 40 CRF 261.21-261.24, or listed hazardous waste as defined in 40 CFR, part 261, Subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items)

☐ MSDS Information ☒ RCRA Hazardous Waste Analysis ☐ Process Knowledge ☐ Other (Provide description in Box 4)

GENERATOR 19.15.36.15 WASTE TESTING CERTIFICATION STATEMENT FOR LANDFARMS

I, Cheryl Johnson, representative for Western Refining Southwest, Inc., do hereby certify that representative Samples of the oil field waste have been subjected to the paint filter test and tested for chloride content and that the samples have been Found to conform to the specific requirements applicable to landfarms pursuant to Section 15 of 19.15.36 NMAC. The results of the Representative samples are attached to demonstrate the above-described waste conform to the requirements of Section 15 of 19.15.36 NMAC.

5. Transporter:
Rinchem Company, Inc. 505 998-4143

OCD Permitted Surface Waste Management Facility

Name and Facility Permit #: GANDY MARLEY, INC, NM-711-1-0019

Address of Facility: PO BOX 1658, ROSWELL, NM 88202

Method of Treatment and/or Disposal:
☐ Evaporation ☐ Injection ☐ Treating Plant ☒ Landfarm ☐ Landfill ☐ Other

Waste Acceptance Status:
☑ APPROVED ☐ DENIED (Must be Maintained as Permanent Record)

PRINT NAME: Mike Marley TITLE: Secretary/Treasurer DATE: 11-6-08

SIGNATURE: Mike Marley Telephone NO. FACILITY 575-398-0107, OFFICE 575-347-0434
Surface Waste Management Facility Authorized Agent

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52695

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Gandy Marley, Inc
Sections 4,5,8 &9 of T11S, R31E NMPM
Chavez County, NM
NMD988828444-01-0019

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone: (505)347-0434

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL, (TPH SOIL)	1	DM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

P.O. # 03442 spill 116

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey
Signature:
Date: Month 12 Day 05 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene High
Signature:
Date: Month 12 Day 05 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: DeWayne Wolfe
Signature: DeWayne Wolfe
Date: Month 12 Day 08 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

298907

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211 ~~52687~~

Manifest Document No. 52688

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC
6. US EPA ID Number: NMD002208627

A. State Transporter's ID
B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name
8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Gandy Marley, Inc
Sections 4,5,8 &9 of T11S, R31E NMPM
Chavez County, NM
NMED Permit # NM-01-0019

10. US EPA ID Number

E. State Facility's ID
F. Facility's Phone: (505)347-0434

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL, (TPH SOIL)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
PO# 3431

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 5005-722-3833
TANK 22LO
TK 226

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN DORSEY
Signature
Date: Month 11 Day 21 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 11 Day 21 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: DeWayne Wolfe
Signature: DeWayne Wolfe
Date: Month 11 Day 26 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52687

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC
6. US EPA ID Number:

7. Transporter 2 Company Name:
8. US EPA ID Number:

A. State Transporter's ID
B. Transporter 1 Phone: (505)345-3655
C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Gandy Marley, Inc
Sections 4,5,8 &9 of T11S, R31E NMPM
Chaves County, NM
10. US EPA ID Number: NMSCA Permit #NM-01-0019

E. State Facility's ID
F. Facility's Phone: (505)347-0124

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL, (TPH SOIL)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
PO#3430

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833
T 116

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN DOTSEY
Signature:
Date: Month 11 Day 20 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month 11 Day 20 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: DeWayne Wolfe
Signature: DeWayne Wolfe
Date: Month 11 Day 28 Year 08

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52686

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN NM 87347

4. Generator's Phone: (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Gandy Marley, Inc
Sections 4 5,8 &9 of T11N, R31E NMPM
Chaves County NM

10. US EPA ID Number: NMD988091338

E. State Facility's ID

F. Facility's Phone: (505)347-5843

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL, (TPH SOIL)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: PO #03417

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833
TANK 2226

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN DOISEY | Signature | Date: Month 11 Day 12 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Nez | Signature | Date: Month 11 Day 12 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: J TOLTON | Signature: J Tolton | Date: Month 11 Day 13 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52685

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
GALLUP, NM 87317

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD980208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-1659

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Cindy Marley, Inc.
Section 6, T 18 N, R 10 W, N.M.P.M.
Cibola County, NM

10. US EPA ID Number: NMSD Permit Pending

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON LAD RCRA REGULATED MATERIAL (OIL SOIL)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
PO# 03415
PO# P.W

H. Handling Codes for Wastes Listed Above
TRANSPORTER

15. Special Handling Instructions and Additional Information
24 hour emergency contact 505-722-3833
T 11 10 Tank 226

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN DOISEY
Signature
Date: Month 11 Day 11 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month 11 Day 11 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: J TOLTON
Signature
Date: Month 11 Day 11 Year 08

GENERATOR
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NON-HAZARDOUS WASTE

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SPECIAL WASTE SHIPMENT RECORD

Rio Rancho Sanitary Landfill

Mailing Address:
P.O. Box 15700
Rio Rancho, NM 87174
505/892-2055

Physical Address:
33rd St. & Northern Blvd.
Rio Rancho, NM 87144
SWM #231402

Shipment № 45645

Profile # 10023/nm

1. Generator's work site name and address
Western Refining Southwest Gallup Refinery - Same as #2

2. Generator's name and address
Western Refining Southwest Gallup Refinery
I-40 Exit 39
Jamestown, NM 87347

Generator's Telephone no.
505 722 3833

3. Authorized Agent's name and mailing address (if different from #2)
Rinchem Company, Inc.
6133 Edith Blvd. NE
Albuquerque, NM 87107

Agent's Telephone no.
505 345 3655

4. Proper name and type of waste	5. Containers No.	Type	6. Total quantity (yd3) (tons)
non-DOT, non-RCRA Regulated			
material, solid (TPH contaminated			
soil, tar)	01	cm	20 403

7. **Special handling instructions:**
Control # 6615

8. GENERATOR'S OR AUTHORIZED AGENT'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway in accordance with applicable international and government regulations.

I hereby certify that the above named material does not contain free liquid as defined by 40CFR Part 258.28 and is not a hazardous waste as defined by 40CFR 261 or any applicable state law.

Generator's or Authorized Agent's printed/typed name	Signature	Month / Day / Year
Beck Larsen	[signature]	10/13/08

9. Transporter 1 (Acknowlegement of receipt of materials)

Printed/typed name, address, telephone no.	Signature	Month / Day / Year
Rinchem Company, Inc. 6133 Edith Blvd. NE Albuquerque, NM 87107		/ /

10. Transporter 2 (Acknowlegement of receipt of materials)

Printed/typed name, address, telephone no.	Signature	Month / Day / Year
		/ /

11. Discrepancy indication space

12. Waste disposal site location coordinates
J Cellemouk

Received By (printed/typed name):	Signature	Month / Day / Year
[illegible]	[signature]	10/14/08

White/GEN Yellow/CUSTOMER Pink/LANDFILL

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52627

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 Hour Emergency Contact: 505-722-3833

Diesel contamoised soil
Boiler spill

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN Dorsey
Signature: [signature]
Date: Month 10 Day 13 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EUGENE Vigil
Signature: [signature]
Date: Month 10 Day 13 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name
Signature: [signature]
Date: Month Day Year

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52623

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone 505)722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Boiler Room Spill
Diesel contamenated Soil

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

12. Special Handling Instructions and Additional Information
24 Hour Emergency Contact: 505-722-3833

GENERATOR

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey
Signature: Alvin
Date: Month 10 Day 06 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature:
Date: Month 10 Day 06 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name
Signature
Date: Month 10 Day 6 Year 08

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52625

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 Hour Emergency Contact: 505-722-3833 diesel contam soil
577 Diesel spill

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey
Signature
Date: Month 08 Day 26 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 08 Day 26 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: LEROY JENSON
Signature
Date: Month 8 Day 26 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52624

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505)722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	12 ~~18~~	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above: 1) ERG# N/A

15. Special Handling Instructions and Additional Information: 24 Hour Emergency Contact: 505-722-3833
Flare spill
diesel cont soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN Dorsey | Signature | Date: Month 08 Day 26 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE Vigil | Signature | Date: Month 08 Day 26 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: LEROY JENSEN | Signature | Date: Month 8 Day 26 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52622

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

A. State Transporter's ID
B. Transporter 1 Phone: (505)345-3655
C. State Transporter's ID
D. Transporter 2 Phone
E. State Facility's ID: DP955
F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 Hour Emergency Contact: 505-722-3833
Diesel contamined soil
TANK SPILL 577

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson
Signature
Date: Month 8 Day 25 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 08 Day 25 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: LEROY JENSEN
Signature
Date: Month 8 Day 25 Year 08

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52621

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone 505 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above: 1) ERG# N/A

15. Special Handling Instructions and Additional Information: 24 Hour Emergency Contact: 505-722-3833

diesel spill
TANK 577

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson — Signature — Date: Month 8 Day 25 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil — Signature — Date: Month 08 Day 25 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: LEROY JENSEN — Signature — Date: Month 8 Day 25 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NMD000333211	Manifest Document No. 52620	2. Page 1 of 1
3. Generator's Name and Mailing Address Western Refining Southwest Gallup Refi I-40 EXIT 39 JAMESTOWN, NM 87347			
4. Generator's Phone 505 722-3833			
5. Transporter 1 Company Name RINCHEM CO INC	6. US EPA ID Number NMD002208627	A. State Transporter's ID	
		B. Transporter 1 Phone (505)345-3655	
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	
		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address EnviroTech Soil Remediation Facility US 550, exit mile marker 137 1/4 (Angel P Hilltop, NM	10. US EPA ID Number	E. State Facility's ID DP955	
		F. Facility's Phone (505)320 6431	

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 Hour Emergency Contact: 505-722-3833 TANK 547
Diesel contaminated soil

GENERATOR

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month Day Year
Cheryl Johnson		7 17 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year
EUGENE Vigil		07 17 08
18. Transporter 2 Acknowledgement of Receipt of Materials		Date
Printed/Typed Name	Signature	Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month Day Year
John Hubbard		7 17 08

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52619

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)~~	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
~~24 Hour Emergency Contact: 505-722-3833~~
Diesel contameded soil
TANK 577

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson | Signature | Date: Month 7 Day 16 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL | Signature | Date: Month 07 Day 16 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: JAMES CARDENAS | Signature | Date: Month 7 Day 16 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52618

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 Hour Emergency Contact: 505-722-3833
Diesel contamined soil
TANK spill 577

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson
Signature:
Date: Month 7 Day 16 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EUGENE Vigil
Signature:
Date: Month 07 Day 16 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: JAMES CARDENAS
Signature: James Cardenas
Date: Month 7 Day 16 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52617

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated material (Total Petroleum Hydrocarbon contaminated soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 HOUR EMERGENCY CONTACT: 505-722-3833
Diesel contamcated soil/Flare AREA

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson
Signature
Date: Month 7 Day 9 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 07 Day 09 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: LeRoy Jensen
Signature
Date: Month 07 Day 09 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52539

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
Flare Spill
~~TK 57~~ Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson
Signature
Date: Month 07 Day 08 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EUGENE Vigil
Signature
Date: Month 07 Day 08 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name
Signature: Jim Andrews
Date: Month 8 Day 8 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52528

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Rinchem Company, Inc.
6133 Edith Blvd NE
Albuquerque, NM 87107

10. US EPA ID Number: NMD002208627

E. State Facility's ID

F. Facility's Phone: (505)345-3655

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~NON-DOT, NON-RCRA REGULATED MATERIAL, SOLID~~ (SANDBLAST MEDIA)	15	DM	7500	P
b. ~~NOT-DOT, NON-RCRA REGULATED MATERIAL (SPENT CARBON)~~	5	DM	2500	P
c. NON-DOT, NON-RCRA REGULATED MATERIAL, LIQUID (SULFUR SLURRY)	25	DM	12500	P
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above
1) RC8257
2) RC8151
3) RC8240

H. Handling Codes for Wastes Listed Above
1) ERG# N/R
2) ERG# N/R
3) ERG# N/R

I. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN DORSEY | Signature: [signature] | Date: Month 03 Day 19 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL | Signature: [signature] | Date: Month 03 Day 19 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Bonnie Clements | Signature: Bonnie Clements | Date: Month 03 Day 21 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE

GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of
3. Generator's Name and Mailing Address			
4. Generator's Phone ( )			
5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID	
		B. Transporter 1 Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	
		D. Transporter 2 Phone	
9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID	
		F. Facility's Phone	

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.				
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above	H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		Date Month	Day	Year
Printed/Typed Name	Signature			
18. Transporter 2 Acknowledgement of Receipt of Materials		Date Month	Day	Year
Printed/Typed Name	Signature			

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.				
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.				
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month Day Year

GENERATOR

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52504

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.) FUEL Oil RACK Soil

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Bryan Holbrook — Signature: Bryan Holbrook — Date: Month 2 Day 28 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL — Signature: [signature] — Date: Month 02 Day 28 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William L. Richard — Signature: William L. Richard — Date: Month 02 Day 28 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52505

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.) FUEL Oil BACK Soil

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 02 Day 28 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 02 Day 28 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: William Richard
Signature: William F. Richard
Date: Month 02 Day 28 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52501

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
~~Fuel, Oil Rack Soil~~ P.W.
TANK 577 Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 4 Day 14 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE Vigil
Signature: [illegible]
Date: Month 04 Day 14 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: LEROY JENSEN
Signature: [illegible]
Date: Month 4 Day 14 Year 08

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52546

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
TPH SOIL
TK577 Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 4 Day 14 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugenio Vigil
Signature: [signature]
Date: Month 04 Day 14 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: LEROY JENSEN
Signature: [signature]
Date: Month 4 Day 14 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52548

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

TPH soil

TR577 Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 04 Day 02 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil
Signature: [illegible]
Date: Month 04 Day 02 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William L. Richard
Signature: William L. Richard
Date: Month 04 Day 02 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52547

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

TK577 Spill Soil

TPH SOIL

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 04 Day 02 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE Vigil
Signature
Date: Month 04 Day 02 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: LEROY JENSEN
Signature
Date: Month 04 Day 02 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52549

2. Page 1 of 1

3. Generator's Name and Mailing Address:
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
TK 577 Spill Soil TPH Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 04 Day 01 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature:
Date: Month 04 Day 01 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Leroy Jensen
Signature:
Date: Month 04 Day 01 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52550

2. Page 1 of 1

3. Generator's Name and Mailing Address:
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address:
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
TPH Soil
TR577 Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 03 Day 31 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 03 Day 31 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Leroy Jensen
Signature
Date: Month 3 Day 31 Year 08

GENERATOR — TRANSPORTER — FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52806

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)343-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: Envirotech Soil Remediation Facility
US 550, exit mile marker 137 (Angel Peak)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320-6538

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above: 1) LRC# N/A

15. Special Handling Instructions and Additional Information: 24 hour emergency contact: (505) 722-3833
GASOLINE SPILL SOIL

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Hancock | Signature: Bryan Hancock | Date: Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil | Signature | Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Calvin Salmon | Signature | Date: Month Day Year

GENERATOR — TRANSPORTER — FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52534

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining
I-40 Exit 39
Jamestown, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3559

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Navajo Tech Nat Remediation Facility
US 550, exit mile marker 137.5 Chapel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non LDEF Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
Manifest Spec Sheet.

GENERATOR

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Holbrook | Signature | Date: Month 03 Day 24 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Frank Vigil | Signature | Date: Month 03 Day 24 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

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Generator Inital copy

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52537

2. Page 1 of

3. Generator's Name and Mailing Address
Western Refining
I-40 Exit 39
Jamestown, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: HINCHMAN CO INC
6. US EPA ID Number

A. State Transporter's ID
B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name
8. US EPA ID Number: NMD982309627

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
UN 550, exit mile marker 137 (W Angel F
Tucson, AZ
10. US EPA ID Number

E. State Facility's ID
F. Facility's Phone

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON DOT NON RCRA REGULATED MATERIAL, (TPH SOIL)	1	CNT	22	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) FROM NAR

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
		4/3	1/9	08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials		Date Month	Day	Year
Printed/Typed Name: John R Hamby	Signature: John R Hamby	08	1/9	08
18. Transporter 2 Acknowledgement of Receipt of Materials		**Date Month**	**Day**	**Year**
Printed/Typed Name	Signature			

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year

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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of

3. Generator's Name and Mailing Address

4. Generator's Phone ( )

5. Transporter 1 Company Name

6. US EPA ID Number

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a.				
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name | Signature | Date: Month Day Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name | Signature | Date: Month Day Year

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

Type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52512

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
US Ecology
Highway 95, 11 miles south of Beatty, NV
Beatty, NV 89003

10. US EPA ID Number: NVT330010000

E. State Facility's ID

F. Facility's Phone: (800)239-3943

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~NON DOT NON RCRA REGULATED MATERIAL, SOLID,~~ (oil contaminated soil)	54	DM	35100	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
1) 070128043-599
RC 8148
H039

H. Handling Codes for Wastes Listed Above
1) ERS# N/R

15. Special handling instructions and additional information
24 hour emergency contact.

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Houbrook
Signature: Bryon Houbrook
Date: Month 03 Day 04 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature:
Date: Month 03 Day 04 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Misty Beals
Signature: Misty Beals
Date: Month 03 Day 05 Year 08

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52517

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
US Ecology
Highway 95, 11 miles south of Beatty, NV
Beatty, NV 89003

10. US EPA ID Number: NVT330010000

E. State Facility's ID

F. Facility's Phone: (800)239-3943

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON DOT NON RCRA REGULATED MATERIAL, SOLID, (oil contaminated soil)	54 ~~55~~	DM	35600	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
1) 070128043-599

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
PO#
RC8148
H039

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Hoolbrook
Signature: Bryan Hoolbrook
Date: Month 03 Day 11 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL
Signature:
Date: Month 3 Day 11 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: N. CATHCART
Signature:
Date: Month 3 Day 18 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52541

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above: 1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

TK577 Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook | Signature: Bryon Holbrook | Date: Month 05 Day 08 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil | Signature | Date: Month Day Year

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month 05 Day 08 Year 08

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Ruajis Hudson | Signature | Date: Month 5 Day 8 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52540

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

TK577 Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 05 Day 07 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature: [illegible]
Date: Month 05 Day 07 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: William L. Richard
Signature: William L. Richard
Date: Month 05 Day 07 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52536

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC
6. US EPA ID Number: NMD002208627
A. State Transporter's ID
B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name
8. US EPA ID Number
C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM
10. US EPA ID Number
E. State Facility's ID: DP955
F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
TK 577 Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 05 Day 08 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 05 Day 08 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Leroy Tenson
Signature
Date: Month 5 Day 8 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NMD000333211	Manifest Document No. 52531	2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining, I-40 Exit 39, Jamestown, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility, US 550, exit mile marker 137 1/4 (Angel P, Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above: 1) ERG# N/A

15. Special Handling Instructions and Additional Information: 24 hour emergency contact: (505)722-3833

TANK 577 Spill

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
Alan Dorsey	alan D	04 30 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
John P Hambay	John P Hambay	04 30 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
William L. Richard	William L. Richard	4 30 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52575

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505 722-3833)

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID ~~(505)345-3655~~

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID DP955

F. Facility's Phone (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	Wt./Vol.
a. ~~Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)~~	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ~~ERG# N/A~~

15. Special Handling Instructions and Additional Information
~~24 hour emergency contact: 505-722-3833~~
Tank 577 Spill

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey | Signature | Date: Month 04 Day 29 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John P Hambay | Signature | Date: Month 04 Day 29 Year 04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Leon Jensen | Signature | Date: Month 4 Day 30 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52574

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505)722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above: 1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833,
Tank 577 Spill

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey — Signature: [signature] — Date: Month 04 Day 29 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John P Hambay — Signature: John P Hambay — Date: Month 04 Day 29 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Wayne Jensen — Signature: [signature] — Date: Month 4 Day 30 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52573

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833
Tank 577 Spill

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey
Signature: alvin D
Date: Month 04 Day 29 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John P Hambay
Signature: John P Hambay
Date: Month 04 Day 29 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: William L. Richard
Signature: William L Richard
Date: Month 4 Day 29 Year 08

GENERATOR — TRANSPORTER — FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52572

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

24 hour emergency contact: (505) 722-3833

H. Handling Codes for Wastes Listed Above: 1) ERG# N/A

15. Special Handling Instructions and Additional Information

Tank 577 Spill

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson | Signature | Date: Month 4 Day 28 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John P Hambay | Signature: John P Hambay | Date: Month 04 Day 28 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Leroy Jenson | Signature | Date: Month 4 Day 29 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52571

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505)722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
a) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
Tank 577 Spill

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Cheryl Johnson
Signature
Date: Month 4 Day 28 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John P Hambay
Signature: John P Hambay
Date: Month 04 Day 28 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: William L Richard
Signature: William L Richard
Date: Month 4 Day 28 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52543

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833

TK577 Spill Soil TPH 50:1

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 9 Day 16 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 09 Day 16 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: LEROY JENSEN
Signature
Date: Month 4 Day 16 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52544

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
TK577 Spill Soil TPH 5.2

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Houbrook
Signature: Bryan Houbrook
Date: Month 4 Day 15 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EUGENIE Vigil
Signature:
Date: Month 04 Day 15 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Jim Cardenas
Signature:
Date: Month 4 Day 15 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52545

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

24 hour emergency contact: (505) 722-3833

H. Handling Codes for Wastes Listed Above: 1) ERG# N/A

15. Special Handling Instructions and Additional Information

TK577 Spill Soil TPH 60'x

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook | Signature: Bryon Holbrook | Date: Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil | Signature | Date: Month 04 Day 15 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: LEROY JENSEN | Signature | Date: Month 4 Day 15 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52538

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
~~FK~~ 577 Spill Soil
Boiler Room

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Cheryl Johnson
Signature
Date: Month 07 Day 07 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Eugene Vigil
Signature
Date: Month 07 Day 07 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: LeRoy Jensen
Signature
Date: Month 7 Day 8 Year 08

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52537

2. Page 1 of

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name RINCHEM CO INC

6. NMD002208627

A. State Transporter's ID (505)345-3655

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID DP955

F. Facility's Phone (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
TK577 Spill Soil

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: BRYON HOLBROOK
Signature: Bryon Holbrook
Date: Month 06 Day 13 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EUGENE VIGIL
Signature: [signature]
Date: Month 06 Day 13 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: CEROY JENSEN
Signature: [signature]
Date: Month 6 Day 13 Year 08

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52576

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505 722-3833)

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID (505)345-3655

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID DP955

F. Facility's Phone (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833 TANK 116 #
diesel contaminated soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN DORSEY — Signature — Date: Month 06 Day 12 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL — Signature — Date: Month 06 Day 12 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: LEROY JENSEN — Signature — Date: Month 6 Day 12 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 32577

2. Page 1 of

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505 722-3833)

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID (505)345-3655

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID DP955

F. Facility's Phone (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Diesel contaminated soil
CT 116 Tank

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

I. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey — Signature — Date: Month 06 Day 11 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil — Signature — Date: Month 06 Day 11 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Ray Johnson — Signature — Date: Month 06 Day 11 Year 08

GENERATOR — TRANSPORTER — FACILITY — NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52578

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~Non DOT Non RCRA Regulated Material (Contaminated TPH Soil)~~	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833
116 Tank
~~date~~ desil diesel contamined soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: ALVIN Dorsey — Signature: [signature] — Date: Month 06 Day 11 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL — Signature: [signature] — Date: Month 06 Day 11 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in ~~item 19~~.

Printed/Typed Name: LEROY JENSEN — Signature: [signature] — Date: Month 6 Day 11 Year 08

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 577

2. Page 1 of

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID (505)345-3633

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID D8955

F. Facility's Phone (505)320-0131

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non LDR Non RCRA Regulated Material (Contaminated TPH Soil)	1	CM	18	V
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
Diesel contaminated soil
CT 116 Tank

H. Handling Codes for Wastes Listed Above
TPH<50 PPM

15. Special Handling Instructions and Additional Information
Emergency Contact 505-722-3833

GENERATOR

NON-HAZARDOUS WASTE

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Alvin Dorsey | Signature | Date: Month 01 Day 11 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil | Signature | Date: Month 01 Day 11 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Ray Johnson | Signature | Date: Month 01 Day 11 Year 08

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NON-HAZARDOUS WASTE MANIFEST

or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No.

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
Rinchem Soil Remediation Facility
US 550, exit mile marker 137.241 (Angel P
Lillington, NM

10. US EPA ID Number

E. State Facility's ID

F. Facility's Phone

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material Contaminated TPH (soil)	1	CM	18	Y
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) 1 REGN N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

NON-HAZARDOUS WASTE

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date Month	Day	Year
Alvin Dorsey		06	11	04

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
		06	11	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date Month	Day	Year
		6	11	04

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52542

2. Page 1 of 1

3. Generator's Name and Mailing Address
Western Refining Southwest Gallup Refi
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel P
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. Non DOT Non RCRA Regulated Material (Diesel Contaminated Soil)	1	CM	18	Y
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above

H. Handling Codes for Wastes Listed Above
1) ERG# N/A

15. Special Handling Instructions and Additional Information
24 hour emergency contact: (505) 722-3833
TK 577 Spill Soil

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: [signature]
Date: Month 05 Day 09 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EUGENE Vigil
Signature: [signature]
Date: Month 05 Day 09 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: William L. Richard
Signature: [signature]
Date: Month 5 Day 9 Year 08

GENERATOR
TRANSPORTER
FACILITY
NON-HAZARDOUS WASTE

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NMD000333211	Manifest Document No. 52510	2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup Refining, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: Rinchem Company, Inc.

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505) 345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: US Ecology, Hwy 95, 11 miles s. of Beatty, NV, Beatty, NV 89003

10. US EPA ID Number: NVT330010000

E. State Facility's ID

F. Facility's Phone: 1-800-239-3943

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON DOT NON RCRA REGULATED MATERIAL, SOLID, (oil contaminated soil)	54	DM	35100	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: 1) 070128043-599

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

I. Special Handling Instructions and Additional Information: 24 hour emergency contact: 505-722-3833

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook — Signature: Bryon Holbrook — Date: Month 02 Day 26 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: John P Hambay — Signature: John P Hambay — Date: Month 02 Day 26 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Misty Brooks — Signature: Misty Brooks — Date: Month 02 Day 27 Year 08

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52494

2. Page 1 of 1

3. Generator's Name and Mailing Address: Western Refining Southwest Gallup ~~Giant Refining Company~~ Refinery
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: US Ecology
Highway 95, 11 miles south of Beatty, NV
Beatty, NV 89003

10. US EPA ID Number: NVT330010000

E. State Facility's ID

F. Facility's Phone: (800)229-3943

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON DOT NON RCRA REGULATED MATERIAL, SOLID, (oil contaminated soil)	55	DM	Est. 35100	P
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
1) 070128043-599

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: BRYON HOLBROOK
Signature: Bryon Holbrook
Date: Month 02 Day 21 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: EUGENE VIGIL
Signature:
Date: Month 02 Day 21 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: Misty Brooks
Signature: Misty Brooks
Date: Month 02 Day 22 Year 08

GENERATOR — TRANSPORTER — FACILITY

NON-HAZARDOUS

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NON-HAZARDOUS WASTE MANIFEST

RECEIVED MAR 19 2008 BY:

ype (Form designed for use on elite (12 pitch) typewriter)

ON-HAZARDOUS TE MANIFEST	1. Generator's US EPA ID No. NMD000333211	Manifest Document No. 52493	2. Page 1 of 1
s Name and Mailing Address Western ~~Plant~~ Refining ~~Company~~ - Ciniza Southwest Gallup Refinery I-40 EXIT 39 JAMESTOWN, NM 87347			
ator's Phone (505 722-3833)			
oder 1 Company Name RINCHEM CO INC	6. US EPA ID Number NMD002208627	A. State Transporter's ID	
		B. Transporter 1 Phone (505)345-3655	
porter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID	
		D. Transporter 2 Phone	
~~US Ecology~~ and Site Address Highway 95, 11 miles south of Beatty, NV Beatty, NV 89003	10. US EPA ID Number NVT330010000	E. State Facility's ID	
		F. Facility's Phone (800)239-3943	

TE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
~~N DOT NON RCRA REGULATED MATERIAL~~ DOT NON RCRA REGULATED MATERIAL, SOLID, (oil taminated soil)	~~54~~ 52	DM	Est. 35100	P

onal Descriptions for Materials Listed Above
70128043-599
C8148

H. Handling Codes for Wastes Listed Above
1) ERG# N/R
H039

al Handling Instructions and Additional Information

ERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects per condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

yped Name Bryon Holbrook	Signature Bryon Holbrook	Date Month Day Year 02 19 08
porter 1 Acknowledgement of Receipt of Materials		Date
yped Name Kenneth Sanchez	Signature Kenneth Sanchez	Date Month Day Year 02 19 08
Acknowledgement of Receipt of Materials		Date
ed Name	Signature	Month Day Year

epancy Indication Space

Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52482

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility, US 550, exit mile marker 137 1/4 (Angel Peak Rd), Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	Yds X
b.				
c.				
d.				

GENERATOR

G. Additional Descriptions for Materials Listed Above: 4.) Gasoline Spill

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information: 24 hour emergency contact: 50-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Holbrook — Signature: Bryan Holbrook — Date: Month 01 Day 25 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil — Signature: [illegible] — Date: Month 01 Day 25 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Ray Johnson — Signature: Ray Johnson — Date: Month 2 Day 14 Year 08

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52474

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	~~P~~ YD
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
A) Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Holbrook | Signature: [signature] | Date: Month 1 Day 25 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL | Signature: [signature] | Date: Month 1 Day 25 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William L. Richard | Signature: [signature] | Date: Month 02 Day 12 Year 08

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52473

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility, US 550, exit mile marker 137 1/4 (Angel Peak Rd), Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	yd
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a) GASOLINE Spill

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information: 24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Holbrook — Signature — Date: Month 1, Day 25, Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL — Signature — Date: Month 1, Day 25, Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month, Day, Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: LEROY JENSEN — Signature — Date: Month 01, Day 25, Year 08

GENERATOR — TRANSPORTER — FACILITY

NON-HAZARDOUS

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52472

2. Page 1 of 1

3. Generator's Name and Mailing Address
Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	~~X~~ Yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.) Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

~~Bryon Holbrook~~ BH

Printed/Typed Name: Bryon Holbrook | Signature: Bryon Holbrook | Date: Month 1 Day 24 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil | Signature: [illegible] | Date: Month 1 Day 24 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William Richard | Signature: [illegible] | Date: Month 1 Day 24 Year 08

GENERATOR — TRANSPORTER — FACILITY

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52481

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	Yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.) Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 1 Day 23 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil
Signature:
Date: Month 01 Day 23 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William Richard
Signature: William Richard
Date: Month 1 Day 24 Year 08

GENERATOR

TRANSPORTER

FACILITY

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. NMD000333211	Manifest Document No. 52480	2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
RINCHEM CO INC	NMD002208627	B. Transporter 1 Phone (505)345-3655
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
		D. Transporter 2 Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
EnviroTech Soil Remediation Facility US 550, exit mile marker 137 1/4 (Angel Peak Rd) Hilltop, NM		DP955
		F. Facility's Phone (505)320 6431

GENERATOR

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	Yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a.) GASOLINE Spill

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information: 24 hour emergency contact:505-722-3833

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month Day Year)
JIM LIEB		01 16 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)
EUGENIE VIGIL		1 16 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month Day Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month Day Year)
William L. Richard		01 17 08

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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52478

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility, US 550, exit mile marker 137 1/4 (Angel Peak Rd), Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	Yd
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a.) Gasoline Spill

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information: 24 hour emergency contact: 505-722-3833

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryan Holbrook — Signature — Date: Month 01 Day 15 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE Vigil — Signature — Date: Month 1 Day 15 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Ray Johnson — Signature — Date: Month 1 Day 16 Year 08

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NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52479

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18 yds	yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.) Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: BRYON HOLBROOK | Signature: [signature] | Date: Month 01 Day 14 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL | Signature: [signature] | Date: Month 1 Day 14 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William L. Richard | Signature: [signature] | Date: Month 01 Day 15 Year 08

GENERATOR

TRANSPORTER

FACILITY

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52477

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone: (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility, US 550, exit mile marker 137 1/4 (Angel Peak Rd), Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	Yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a Gasoline Spill

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information: 24 hour emergency contact: 505-722-3833

GENERATOR

16. **GENERATOR'S CERTIFICATION:** I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook — Signature: Bryon Holbrook — Date: Month 1 Day 11 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil — Signature: [signature] — Date: Month 1 Day 11 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William L. Richard — Signature: William L. Richard — Date: Month 01 Day 14 Year 08

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52469

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone: (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID:

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name:

8. US EPA ID Number:

C. State Transporter's ID:

D. Transporter 2 Phone:

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility, US 550, exit mile marker 137 1/4 (Angel Peak Rd), Hilltop, NM

10. US EPA ID Number:

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	~~YDS~~ K
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: A.) Gasoline Spill

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information: 24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook — Signature: Bryon Holbrook — Date: Month 01 Day 07 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil — Signature: [signature] — Date: Month 01 Day 07 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: William L. Richard — Signature: [signature] — Date: Month 01 Day 16 Year 08

GENERATOR — TRANSPORTER — FACILITY

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52470

2. Page 1 of 1

3. Generator's Name and Mailing Address
Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC
6. US EPA ID Number: NMD002208627

A. State Transporter's ID
B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name
8. US EPA ID Number

C. State Transporter's ID
D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM
10. US EPA ID Number

E. State Facility's ID: DP955
F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)~~	1	CM	18	yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
4. Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month / Day / Year

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Eugene Vigil
Signature
Date: Month 01 / Day 04 / Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name
Signature
Date: Month / Day / Year

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name: Leroy Jensen
Signature
Date: 01-04-08

FACILITY

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52476

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18	YD ~~P~~ SPH
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a. Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 01 Day 04 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John P Hambay
Signature: John P Hambay
Date: Month 01 Day 04 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Printed/Typed Name: William L. Richard
Signature: William L. Richard
Date: Month 01 Day 11 Year 08

GENERATOR

TRANSPORTER

FACILITY

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52471

2. Page 1 of 1

3. Generator's Name and Mailing Address
Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)~~	1	CM	18	YD SPH
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a.) Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 01 Day 04 Year 07

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John P Hambay
Signature: John P Hambay
Date: Month 01 Day 04 Year 07

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
Leroy Jensen
Signature
Date: 01-4-08

Printed/Typed Name
Signature
Date: Month Day Year

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: NMD000333211

Manifest Document No.: 52468

2. Page 1 of 1

3. Generator's Name and Mailing Address: Giant Refining Company - Ciniza, I-40 EXIT 39, JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: (505)345-3655

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address: EnviroTech Soil Remediation Facility, US 550, exit mile marker 137 1/4 (Angel Peak Rd), Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)	1	CM	18 yds	yds
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above: a.) Gasoline Spill

H. Handling Codes for Wastes Listed Above: 1) ERG# N/R

15. Special Handling Instructions and Additional Information: 24 hour emergency contact; 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: BRYON HOLBROOK | Signature: Bryon Holbrook | Date: Month 01 Day 03 Year 08

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: EUGENE VIGIL | Signature | Date: Month 01 Day 03 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Date: Month Day Year

TRANSPORTER

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

14:30

Printed/Typed Name: LEROY JENSEN | Signature: 01-03-08 | Date: Month 01 Day 03 Year 08

FACILITY

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NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. NMD000333211

Manifest Document No. 52475

2. Page 1 of 1

3. Generator's Name and Mailing Address
Giant Refining Company - Ciniza
I-40 EXIT 39
JAMESTOWN, NM 87347

4. Generator's Phone (505) 722-3833

5. Transporter 1 Company Name: RINCHEM CO INC

6. US EPA ID Number: NMD002208627

A. State Transporter's ID

B. Transporter 1 Phone: ~~(505)345-3655~~

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
EnviroTech Soil Remediation Facility
US 550, exit mile marker 137 1/4 (Angel Peak Rd)
Hilltop, NM

10. US EPA ID Number

E. State Facility's ID: DP955

F. Facility's Phone: (505)320 6431

11. WASTE DESCRIPTION	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a. ~~NON RCRA NON DOT REGULATED MATERIAL (TPH SOIL)~~	1	CM	18	YD ~~P~~ SPM
b.				
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) Gasoline Spill

H. Handling Codes for Wastes Listed Above
1) ERG# N/R

15. Special Handling Instructions and Additional Information
24 hour emergency contact: 505-722-3833

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

GENERATOR

Printed/Typed Name: Bryon Holbrook
Signature: Bryon Holbrook
Date: Month 01 Day 03 Year 08

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: John P Hambay
Signature: John P Hambay
Date: Month 01 Day 03 Year 08

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.
14:30
Printed/Typed Name: Leroy Jensen
Signature:
Date: Month 01 Day 03 Year 08

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Laboratory Analytical Reports

Binder 3

Annual Groundwater Monitoring Report: Gallup Refinery - 2008

Western Refining
Gallup, New Mexico

August 2009

Prepared by:

Gaurav Rajen, Ph.D.
Environmental Engineer

Reviewed by:

Ed Riege, M.P.H.
Environmental Manager

Certified by:

Mark Turri
Refinery Manager

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, January 18, 2008

Jim Lieb
Western Refining Southwest, Gallup Refinery
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Evap. Pond #2 Inlet 1/10/08

Order No.: 0801090

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 1/10/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0801090
Order: 08010286 HAL03 Receipt: 01-11-08

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0801090-01A POND 2 INLET* Collected: *01-10-08 13:30:00* By:
Matrix: *AQ*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08010286-001A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08001	WC.2008.115.12	C-004	Chemical Oxygen Demand	1350	mg/L	1	10		01-15-08	01-16-08

Sample: *0801090-01B POND 2 INLET* Collected: *01-10-08 13:30:00* By:
Matrix: *AQ*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08010286-002A		EPA 405.1 Biochemical Oxygen Demand						By: NJL		
BOD08006	WC.2008.118.15	10-26-4	Biochemical Oxygen Demand	449	mg/L	1	2		01-11-08	01-16-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 1/17/2008 4:53:32 PM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name GIANTREFIN

Date Received: 1/10/2008

Work Order Number 0801090

Received by: AT

Sample ID labels checked by TJ
Initials

Checklist completed by: Jamye Thomin Jan 10 08
Signature Date

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	

Container/Temp Blank temperature? 4° *<6° C Acceptable*
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package:
Std ☐ Level 4 ☐
Other:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: GIANT REFINING
GALLUP REFINERY
Address: RT 3 BOX 7
GALLUP, NM 87301
Phone #: 505-722-3833
Fax #: 505-722-0210

Project Name: EVAPORATION POND #2 INLET 1-10-08
Project #:
Project Manager: JIM LIEB
Sampler: BRYON HOLBROOK
Sample Temperature: 4° on ice

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative: H_2SO_4	HEAL No. 0801090	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
1/10/08	1:30p	H_2O	POND 2 INLET	1/500mL		~~X~~	X	1														X			
1/10/08	1:30p	H_2O	POND 2 INLET	1/1000mL				1													X				

Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
1-10-08	5:05	Bryan Holbrook	[signature]
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
			1/10/08 1705

Remarks: CC BRYAN

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, January 25, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Evaporation Pond #2 Inlet 1-17-08

Order No.: 0801181

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 1/17/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0801181
Order: 08010580 HAL03 Receipt: 01-18-08

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0801181-01A POND 2 INLET* Collected: *01-17-08 13:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08010580-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	NJL		
WCOD08002	WC.2008.177.13	C-004	Chemical Oxygen Demand	1460	mg/L	1	10		01-23-08	01-24-08

Sample: *0801181-01B POND 2 INLET* Collected: *01-17-08 13:00:00* By:
Matrix: *AQUEOUS* *SR9651*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08010580-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	NJL		
BOD08008	WC.2008.157.10	10-26-4	Biochemical Oxygen Demand	462	mg/L	1	2		01-18-08	01-23-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name GIANTREFIN

Date Received: 1/17/2008

Work Order Number 0801181

Received by: TLS

Sample ID labels checked by _____ Initials

Checklist completed by: _____ Signature _____ 1/17/08 Date

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

Client: Western Refining
Gallup Refinery

Address: ~~Rte 3 Box 7~~
I-40 @ Exit 39
Jamestown, NM
87347

Phone #: 505-722 3833
Fax #: 505-722-0210

Project Name: Evaporation Pond #2 Inlet 1-17-08

Project #:

Project Manager: Jim Lieb

Sampler: Bryon Holbrook

Sample Temperature: 6°

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative H_2SO_4	HEAL No. 0801181	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
1-17-08	1:00p	H_2O	Pond 2 Inlet	1/500mL			X	-1														X			
1-17-08	1:00p	H_2O	Pond 2 Inlet	1/1000mL				-1													X				

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
1/17/08	16:00	[signature]	[signature] 1/17/08 16:00
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Please copy Bryon Holbrook on results via e-mail

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, February 08, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Evaporation Pond #2 Inlet 1/24/2008

Order No.: 0801257

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 1/24/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0801257**
Order: **08010735 HAL03** Receipt: **01-25-08**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0801257-01A POND 2 INLET*** Collected: *01-24-08 12:35:00* By:
Matrix: ***AQUEOUS*** *SR 9897*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08010735-001A		**EPA 405.1 Biochemical Oxygen Demand**					By:	NJL		
BOD08010	WC.2008.250.19	10-26-4	Biochemical Oxygen Demand	520	mg/L	1	2	1	01-25-08	01-30-08

Sample: ***0801257-01B POND 2 INLET*** Collected: *01-24-08 12:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08010735-002A		**EPA 410.1 Chemical Oxygen Demand**					By:	NJL		
WCOD08003	WC.2008.305.5	C-004	Chemical Oxygen Demand	1200	mg/L	1	10		02-06-08	02-07-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

1 The Laboratory Control Spike and the Laboratory Control Spike Duplicate recoveries for the Biochemical Oxygen Demand (BOD) batch of samples, analyzed for this work order, were 120%. These recoveries are above the QC acceptance limits of 84.6-115.4%. Therefore, the above BOD data may be potentially negatively biased to that extent. This should be taken into account when evaluating the data.

Report Date: 2/8/2008 10:58:32 AM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 1/24/2008

Work Order Number 0801257

Received by: AT

Sample ID labels checked by TS
Initials

Checklist completed by: Tanya Shomin Jan 24, 08
Signature Date

Matrix Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☑		Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	

Container/Temp Blank temperature? 5° *<6° C Acceptable*
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package: Std ☐ Level 4 ☐
Other:

Client: WESTERN REFINING
GALLUP REFINING

Address: I-40 @ EXIT 39
JAMESTOWN, NM 87347

Phone #: 505-722-3833
Fax #: 505-722-0210

Project Name: EVAPORATION POND #2 INLET 1-24-08

Project #:

Project Manager: JIM LIEB

Sampler: BRYON HOLBROOK / ALVIN DORSEY

Sample Temperature: 5° on ice

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative: H_2SO_4	0801257 HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
1/24/08	12:35p	H_2O	POND 2 INLET	1/500mL			X	1														X			
1/24/08	12:35p	H_2O	POND 2 INLET	1/1000mL				1													X				

Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
1/24/08	3:45p	Bryon Holbrook	[signature]
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
			1/24/08 1545

Remarks: PLEASE COPY BRYON HOLBROOK ON RESULTS.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, February 08, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet To EP 2

Order No.: 0801344

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 1/31/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0801344
Order: 08020012 HAL03 Receipt: 02-01-08

William P. Biava: President of Assalgal Analytical Laboratories, Inc.

Sample: *0801344-01A INLET TO EP2* Collected: *01-31-08 11:35:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020012-001A		EPA 410.1 Chemical Oxygen Demand					By:	NJL		
WCOD08003	WC.2008.305.9	C-004	Chemical Oxygen Demand	1290	mg/L	1	10		02-06-08	02-07-08

Sample: *0801344-01B INLET TO EP2* Collected: *01-31-08 11:35:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020012-002A		EPA 405.1 Biochemical Oxygen Demand					By:	NJL		
BOD08013	WC.2008.298.14	10-26-4	Biochemical Oxygen Demand	414	mg/L	1	2		02-01-08	02-06-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 1/31/2008

Work Order Number 0801344

Received by: TLS

Sample ID labels checked by TS
Initials

Checklist completed by: _____ 1/31/08
Signature Date

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package: Std ☐ Level 4 ☐
Other:

Client: Western - Gallup Refinery

Project Name: Inlet to EP 2

Address:

Project #:

Project Manager: Jim Lieb

Phone #: 505-722-3833

Sampler: B. Hollowell / A. Dorsey

Fax #:

Sample Temperature: 1°

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative: H_2SO_4	HEAL No. 0801344	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD (BH)	BOD (BH)			Air Bubbles or Headspace (Y or N)
1/31/08	11:35A	H_2O	INLET TO EP2	1/500 mL			X	1													X	X			
1/31/08	11:35A	H_2O	INLET TO EP2	1/1000 mL				2													X	X			

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
1/31/08	3:25	[signature]	[signature] 1/31/08 1525
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Pls. copy B. Hollowell on results.

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, February 08, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet To EP 2

Order No.: 0801344

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 1/31/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0801344**
Order: **08020012 HAL03** Receipt: **02-01-08**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0801344-01A INLET TO EP2*** Collected: *01-31-08 11:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020012-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	NJL		
WCOD08003	WC.2008.305.9	C-004	Chemical Oxygen Demand	1290	mg/L	1	10		02-06-08	02-07-08

Sample: ***0801344-01B INLET TO EP2*** Collected: *01-31-08 11:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020012-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	NJL		
BOD08013	WC.2008.298.14	10-26-4	Biochemical Oxygen Demand	414	mg/L	1	2		02-01-08	02-06-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 2/8/2008 10:59:00 AM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 1/31/2008

Work Order Number 0801344

Received by: TLS

Sample ID labels checked by TS (Initials)

Checklist completed by: _____ (Signature) 1/31/08 (Date)

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	

Container/Temp Blank temperature? 1° *<6° C Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: Western Group Refinery

Address:

Phone #: 505-722-3833

Fax #:

Project Name: INLET TO EP 2

Project #:

Project Manager: Jim Lieb

Sampler: B. Hollbrook / A. Dorsey

Sample Temperature: 1°

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative: H_2SO_4	HEAL No. 0801344	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD (BH)	BOD (BH)			Air Bubbles or Headspace (Y or N)
1/31/08	11:35A	H_2O	INLET TO EP2	1/500 mL			X	1													X	X			
1/31/08	11:35A	H_2O	INLET TO EP2	1/1000 mL				2													X	X			

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
1/31/08	3:25	[signature]	[signature] 1/31/08 1525
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Pls. copy B. Hollbrook on results.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, February 21, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0802109

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/7/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0802109**
Order: **08020229 HAL03** Receipt: **02-08-08**

William P. Biava: President of Assalgai Analytical Laboratories, Inc.

Sample: ***0802109-01A INLET TO EP2*** Collected: *02-07-08 13:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020229-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08004	WC.2008.392.11	C-004	Chemical Oxygen Demand	2570	mg/L	10	10		02-19-08	02-20-08

Sample: ***0802109-01B INLET TO EP2*** Collected: *02-07-08 13:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020229-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	NJL		
BOD08016	WC.2008.355.18	10-26-4	Biochemical Oxygen Demand	671	mg/L	1	2		02-08-08	02-13-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 2/21/2008 9:15:05 AM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 2/7/2008

Work Order Number 0802109

Received by: ARS

Sample ID labels checked by TS
Initials

Checklist completed by: Amy Shomis 2/7/08
Signature Date

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

Client: Western Gallup Refinery

Address:

Phone #:

Fax #:

Project Name: INLET TO EP2

Project #:

Project Manager: Jim Lieb

Sampler: Ron Brown

Sample Temperature: 4°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative: H_2SO_4	HEAL No. 0802109	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
2/7/08	1515p	H_2O	INLET TO EP2	1/500mL			X	1													X				
2/7/08	1115p	H_2O	INLET TO EP2	1/1000mL				1														X			

Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
2/7/08	4:35p	Bryan Hallmark	[signature] 2/7/08 16:35
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Please copy Bryan Hallmark

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, February 21, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0802190

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/15/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0802190**
Order: **08020384** **HAL03** Receipt: **02-15-08**

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0802190-01A INLET TO EP2*** Collected: *02-14-08 13:50:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020384-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08004	WC.2008.392.10	C-004	Chemical Oxygen Demand	2290	mg/L	10	10		02-19-08	02-20-08

Sample: ***0802190-01B INLET TO EP2*** Collected: *02-14-08 13:50:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020384-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
WBOD08018	WC.2008.394.9	10-26-4	Biochemical Oxygen Demand	570	mg/L	1	4		02-15-08	02-20-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 2/21/2008 9:15:35 AM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 2/15/2008

Work Order Number 0802190

Received by: AT

Sample ID labels checked by TS
Initials

Checklist completed by: Jamey C Shomin 2/15/08
Signature Date

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	

Container/Temp Blank temperature? 5° *<6° C Acceptable*
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package:
Std ☐ Level 4 ☐
Other:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: Western - Gallup Ref

Address:

Phone #:

Fax #:

Project Name: INLET TO EP2

Project #:

Project Manager: Jim Lieb

Sampler: B. Holbrook

Sample Temperature: 5° on ice

C802190

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative H_2SO_4	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
2/14/08	1:50p	H_2O	INLET TO EP2	1/500mL			X	1													X				
2/14/08	"	H_2O	" "	1/1000 mL				1														X			

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
2/14/08	5:10p	[signature]	[signature] 2/14/08 1710
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Rlo. copy Bryan Holbrook

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, March 10, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0802258

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/21/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0802258
Order: 08020542 HAL03 Receipt: 02-22-08

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0802258-01A INLET TO EP2* Collected: *02-21-08 10:35:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020542-001A		EPA 410.1 Chemical Oxygen Demand					By:	FAS		
WCOD08005	WC.2008.520.13	C-004	Chemical Oxygen Demand	1950	mg/L	10	10		03-06-08	03-07-08

Sample: *0802258-01B INLET TO EP2* Collected: *02-21-08 10:35:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020542-002A		EPA 405.1 Biochemical Oxygen Demand					By:	MJN		
BOD08020	WC.2008.449.14	10-26-4	Biochemical Oxygen Demand	> 394	mg/L	1	4		02-22-08	02-27-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 3/10/2008 9:12:31 AM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 2/21/2008

Work Order Number 0802258

Received by: TLS

Sample ID labels checked by TS
Initials

Checklist completed by: Tamy Shomin 2/21/08
Signature Date

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package: Std ☐ Level 4 ☐
Other:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: WESTERN REFINING GALLUP REFINERY

Address:

Phone #:

Fax #:

Project Name: INLET TO EP2

Project #:

Project Manager: JIM LIEB

Sampler: B. HOLBROOK

Sample Temperature: 4°

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative: H_2SO_4	HEAL No. 0802258	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
2/21/08	10:35A	H_2O	INLET TO EP2	1/500mL			X	1													X				
2/21/08	10:35A	H_2O	INLET TO EP2	1/1000mL				1														X			

Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)
2/21/08	2:05	Bryan Holbrook	2/21/08 1405
Date:	Time:	Relinquished By: (Signature)	Received By: (Signature)

Remarks: Pls. copy Bryan Holbrook

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, March 10, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0802326

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/28/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0802326**
Order: **08020733 HAL03** Receipt: **02-29-08**

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0802326-01A INLET TO EP2*** Collected: *02-28-08 10:05:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020733-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08005	WC.2008.520.18	C-004	Chemical Oxygen Demand	2440	mg/L	10	10		03-06-08	03-07-08

Sample: ***0802326-01B INLET TO EP2*** Collected: *02-28-08 10:05:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08020733-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08023	WC.2008.500.9	10-26-4	Biochemical Oxygen Demand	46.1	mg/L	1	4		02-29-08	03-05-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 3/10/2008 9:20:12 AM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 2/28/2008

Work Order Number 0802326

Received by: AT

Sample ID labels checked by: TJ (Initials)

Checklist completed by: Tamye S (Signature) 2/28/08 (Date)

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	7°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western - Gallup

Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☐ Rush

Project Name: INLET TO EP2

Project #:

Project Manager: Jim Lieb

Sampler: Holbrook

On Ice: ☒ Yes ☐ No

Sample Temperature: 7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0802326	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles (Y or N)
2/28/08	10:05A	INLET TO EP2	1/500mL	H_2SO_4	1												X				
2/28	10:05	INLET TO EP2	1/1000mL	N/A	1													X			

Date:	Time:	Relinquished by:	Received by:
2/28/08	12:30p	Bryan Holbrook	2/28/08 1230
Date:	Time:	Relinquished by:	Received by:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, March 06, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: GWM-2 Water Sample 22808

Order No.: 0802357

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 2/29/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	0802357	**Collection Date:**	2/28/2008 2:30:00 PM
Project:	GWM-2 Water Sample 22808	**Date Received:**	2/29/2008
Lab ID:	0802357-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	3/4/2008 5:33:21 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/4/2008 5:33:21 PM
Surr: DNOP	118	58-140		%REC	1	3/4/2008 5:33:21 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/5/2008 5:54:49 PM
Surr: BFB	104	79.2-121		%REC	1	3/5/2008 5:54:49 PM
EPA METHOD 8260B: VOLATILES						Analyst: **SMP**
Benzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Toluene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Ethylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Methyl tert-butyl ether (MTBE)	28	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Naphthalene	ND	2.0		µg/L	1	3/3/2008 11:58:17 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/3/2008 11:58:17 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/3/2008 11:58:17 PM
Acetone	ND	10		µg/L	1	3/3/2008 11:58:17 PM
Bromobenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Bromoform	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Bromomethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
2-Butanone	ND	10		µg/L	1	3/3/2008 11:58:17 PM
Carbon disulfide	ND	10		µg/L	1	3/3/2008 11:58:17 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Chlorobenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Chloroethane	ND	2.0		µg/L	1	3/3/2008 11:58:17 PM
Chloroform	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Chloromethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/3/2008 11:58:17 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Dibromomethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	GWM-2
Lab Order:	0802357	**Collection Date:**	2/28/2008 2:30:00 PM
Project:	GWM-2 Water Sample 22808	**Date Received:**	2/29/2008
Lab ID:	0802357-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **SMP**
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/3/2008 11:58:17 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
2-Hexanone	ND	10		µg/L	1	3/3/2008 11:58:17 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/3/2008 11:58:17 PM
Methylene Chloride	ND	3.0		µg/L	1	3/3/2008 11:58:17 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Styrene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/3/2008 11:58:17 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/3/2008 11:58:17 PM
Vinyl chloride	ND	1.0		µg/L	1	3/3/2008 11:58:17 PM
Xylenes, Total	ND	1.5		µg/L	1	3/3/2008 11:58:17 PM
Surr: 1,2-Dichloroethane-d4	99.2	68.1-123		%REC	1	3/3/2008 11:58:17 PM
Surr: 4-Bromofluorobenzene	106	53.2-145		%REC	1	3/3/2008 11:58:17 PM
Surr: Dibromofluoromethane	97.1	68.5-119		%REC	1	3/3/2008 11:58:17 PM
Surr: Toluene-d8	101	64-131		%REC	1	3/3/2008 11:58:17 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: GWM-2 Water Sample 22808 **Work Order:** 0802357

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-15278		*MBLK*			Batch ID:	**15278**	Analysis Date:	3/4/2008 10:01:21 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-15278		*LCS*			Batch ID:	**15278**	Analysis Date:	3/4/2008 10:36:21 AM	
Diesel Range Organics (DRO)	5.326	mg/L	1.0	107	74	157			
Sample ID: LCSD-15278		*LCSD*			Batch ID:	**15278**	Analysis Date:	3/4/2008 11:10:50 AM	
Diesel Range Organics (DRO)	4.843	mg/L	1.0	96.9	74	157	9.50	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R27590**	Analysis Date:	3/5/2008 8:17:54 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R27590**	Analysis Date:	3/5/2008 8:25:57 PM	
Gasoline Range Organics (GRO)	0.4604	mg/L	0.050	92.1	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*			Batch ID:	**R27590**	Analysis Date:	3/5/2008 8:56:12 PM	
Gasoline Range Organics (GRO)	0.4618	mg/L	0.050	92.4	80	115	0.304	8.39	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: GWM-2 Water Sample 22808 **Work Order:** 0802357

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	R27552	Analysis Date:	3/3/2008 6:03:36 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

A

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: GWM-2 Water Sample 22808 **Work Order:** 0802357

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R27552**	Analysis Date:	3/3/2008 6:03:36 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R27552**	Analysis Date:	3/3/2008 7:13:13 AM	
Benzene	21.40	µg/L	1.0	107	72.4	126			
Toluene	22.20	µg/L	1.0	111	79.2	115			
Chlorobenzene	21.71	µg/L	1.0	109	83.1	111			
1,1-Dichloroethene	25.82	µg/L	1.0	129	81.4	122			S
Trichloroethene (TCE)	20.10	µg/L	1.0	100	64.4	118			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 2/29/2008

Work Order Number 0802357

Received by: AT

Sample ID labels checked by AT
Initials

Checklist completed by: Signature 2/29/08 Date

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	

Container/Temp Blank temperature? 5° *<6° C Acceptable*
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Client: Western Refining - Gallup

Address: Route 3 Box 7
Gallup NM 87301

Phone #: 505 722 3833

Fax #: 505 722 0210

Project Name: GWM-2 Water Sample 22808

Project #:

Project Manager: Jim Lieb

Sampler: Glenn Morris

Sample Temperature: 5° on ice

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative	HEAL No. 0802357	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles or Headspace (Y or N)
2-28-8	1430	H_2O	GWM-2	6				-1			X								X						

Date: 2/29/08 Time: 3:52PM Relinquished By: (Signature) Received By: (Signature)

Date: Time: Relinquished By: (Signature) Received By: (Signature) 2/29/08 1552

Remarks:

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, March 20, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0803051

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/6/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803051**
Order: **08030160 HAL03** Receipt: **03-06-08**

William P. Blava: President of Assalgai Analytical Laboratories, Inc.

Sample: ***0803051-01A INLET TO EP2*** Collected: *03-06-08 9:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030160-001A		**EPA 410.1 Chemical Oxygen Demand**						By: CET		
WCOD08006	WC.2008.613.16	C-004	Chemical Oxygen Demand	1520	mg/L	10	10		03-17-08	03-19-08

Sample: ***0803051-01B INLET TO EP2*** Collected: *03-06-08 9:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030160-002A		**EPA 405.1 Biochemical Oxygen Demand**						By: MJN		
BOD08026	WC.2008.574.4	10-26-4	Biochemical Oxygen Demand	947	mg/L	1	4		03-07-08	03-12-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 3/6/2008

Work Order Number 0803051

Received by: TLS

Checklist completed by: _____ Signature AK 3/6 ~~3/8~~ 3/6/08 Date

Sample ID labels checked by: TS Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	7°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

Client: WESTERN – Gallup

Address:

Phone #:

Fax #:

Project Name: INLET TO EP2

Project #:

Project Manager: JIM LIEB

Sampler: ALVIN DORSEY

Sample Temperature: 7°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative:	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
3/6/08	9:45	Ag	INLET TO EP2	1/500mL			H_2SO_4	0803051 1													X				
3/6/08	9:45	1	INLET TO EP2	1/1000mL			N/A	1														X			

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
3-6-08	12:30p	Alvin	Bryan Holbrook
3/6/08	3:05p	Bryan Holbrook	3/6/08 9:45

Remarks: P/s. copy B. Holbrook on RESULTS

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, March 26, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0803085

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/11/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803085**
Order: **08030267 HAL03** Receipt: **03-12-08**

William P. Biava: President of Assalgai Analytical Laboratories, Inc.

Sample: ***0803085-01A INLET TO EP2*** Collected: *03-11-08 10:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030267-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	CET		
WCOD08008	WC.2008.701.21	C-004	Chemical Oxygen Demand	1150	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803085-01B INLET TO EP2*** Collected: *03-11-08 10:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030267-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08027	WC.2008.650.24	10-26-4	Biochemical Oxygen Demand	651	mg/L	1	4		03-13-08	03-18-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 3/11/2008

Work Order Number 0803085

Received by: AT

Sample ID labels checked by: AS
Initials

Checklist completed by: _____ 3/11/08
Signature Date

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	16°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA/QC Package: Std ☐ Level 4 ☐
Other:

Client: WESTERN - GALLUP

Address:

Phone #:

Fax #:

Project Name: INLET TO EP2

Project #:

Project Manager: JIM LIEB

Sampler: ALVIN DORSEY

Sample Temperature: on ice 16°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative	HEAL No. 0803085
3/11/08	10:20	A	INLET TO EP2	1/500mL			H_2SO_4	1
3/11/08	10:20	W	INLET TO EP2	1/1000mL			N/A	1

ANALYSIS REQUEST

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
												X				
													X			

Remarks:

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
3-11-08	11:38	[signature]	[signature]
3/11/08	2:00	[signature]	[signature] 3/11/08 1400

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, March 31, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: OCD Discharge Permit 1st Qtr 2008

Order No.: 0803087

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 16 sample(s) on 3/11/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. Date: *31-Mar-08*

CLIENT: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008
Lab Order: 0803087

CASE NARRATIVE

"S" flags denote that the surrogate recovery was low due to sample dilution or matrix interferences.

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:10:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	560	20		mg/L	200	3/24/2008 3:11:59 PM
Chloride	540	5.0		mg/L	50	3/12/2008 5:38:00 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 5:38:00 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 5:38:00 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 5:38:00 PM
Sulfate	980	25		mg/L	50	3/12/2008 5:38:00 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:09:52 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 12:13:49 PM
Barium	0.029	0.010		mg/L	1	3/19/2008 12:13:49 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 12:13:49 PM
Calcium	18	0.50		mg/L	1	3/19/2008 12:13:49 PM
Chromium	0.061	0.0060		mg/L	1	3/19/2008 12:13:49 PM
Copper	ND	0.0060		mg/L	1	3/19/2008 12:13:49 PM
Iron	55	5.0		mg/L	100	3/19/2008 1:24:54 PM
Lead	ND	0.0050		mg/L	1	3/19/2008 12:13:49 PM
Magnesium	17	0.50		mg/L	1	3/19/2008 12:13:49 PM
Manganese	0.80	0.0020		mg/L	1	3/21/2008 2:18:42 PM
Potassium	36	1.0		mg/L	1	3/19/2008 12:13:49 PM
Selenium	ND	0.050		mg/L	1	3/19/2008 12:13:49 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 12:13:49 PM
Sodium	910	50		mg/L	100	3/21/2008 2:22:15 PM
Uranium	ND	0.50		mg/L	5	3/19/2008 1:27:57 PM
Zinc	1.8	0.10		mg/L	5	3/19/2008 1:27:57 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	190	5.0		µg/L	5	3/13/2008 8:05:31 PM
Toluene	470	5.0		µg/L	5	3/13/2008 8:05:31 PM
Ethylbenzene	87	5.0		µg/L	5	3/13/2008 8:05:31 PM
Methyl tert-butyl ether (MTBE)	5.9	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2,4-Trimethylbenzene	380	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,3,5-Trimethylbenzene	110	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Naphthalene	200	10		µg/L	5	3/13/2008 8:05:31 PM
1-Methylnaphthalene	280	20		µg/L	5	3/13/2008 8:05:31 PM
2-Methylnaphthalene	390	20		µg/L	5	3/13/2008 8:05:31 PM
Acetone	1400	100		µg/L	10	3/17/2008 12:53:02 PM
Bromobenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:10:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromodichloromethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Bromoform	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Bromomethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
2-Butanone	160	50		µg/L	5	3/13/2008 8:05:31 PM
Carbon disulfide	ND	50		µg/L	5	3/13/2008 8:05:31 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Chlorobenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Chloroethane	ND	10		µg/L	5	3/13/2008 8:05:31 PM
Chloroform	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Chloromethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/13/2008 8:05:31 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Dibromomethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/13/2008 8:05:31 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
2-Hexanone	ND	50		µg/L	5	3/13/2008 8:05:31 PM
Isopropylbenzene	10	5.0		µg/L	5	3/13/2008 8:05:31 PM
4-Isopropyltoluene	5.2	5.0		µg/L	5	3/13/2008 8:05:31 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/13/2008 8:05:31 PM
Methylene Chloride	ND	15		µg/L	5	3/13/2008 8:05:31 PM
n-Butylbenzene	46	5.0		µg/L	5	3/13/2008 8:05:31 PM
n-Propylbenzene	36	5.0		µg/L	5	3/13/2008 8:05:31 PM
sec-Butylbenzene	8.6	5.0		µg/L	5	3/13/2008 8:05:31 PM
Styrene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/13/2008 8:05:31 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:10:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/13/2008 8:05:31 PM
Vinyl chloride	ND	5.0		µg/L	5	3/13/2008 8:05:31 PM
Xylenes, Total	540	7.5		µg/L	5	3/13/2008 8:05:31 PM
Surr: 1,2-Dichloroethane-d4	103	68.1-123		%REC	5	3/13/2008 8:05:31 PM
Surr: 4-Bromofluorobenzene	88.3	53.2-145		%REC	5	3/13/2008 8:05:31 PM
Surr: Dibromofluoromethane	113	68.5-119		%REC	5	3/13/2008 8:05:31 PM
Surr: Toluene-d8	108	64-131		%REC	5	3/13/2008 8:05:31 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	4900	0.010		µmhos/cm	1	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	3.81	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:20:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	63	5.0		mg/L	50	3/12/2008 5:55:25 PM
Chloride	2200	10		mg/L	100	3/24/2008 3:46:48 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 5:55:25 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 5:55:25 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 5:55:25 PM
Sulfate	970	25		mg/L	50	3/12/2008 5:55:25 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:11:38 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 12:17:47 PM
Barium	0.022	0.010		mg/L	1	3/19/2008 12:17:47 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 12:17:47 PM
Calcium	81	0.50		mg/L	1	3/19/2008 12:17:47 PM
Chromium	ND	0.0060		mg/L	1	3/19/2008 12:17:47 PM
Copper	ND	0.0060		mg/L	1	3/19/2008 12:17:47 PM
Iron	5.4	1.0		mg/L	20	3/19/2008 1:56:39 PM
Lead	ND	0.0050		mg/L	1	3/19/2008 12:17:47 PM
Magnesium	55	0.50		mg/L	1	3/19/2008 12:17:47 PM
Manganese	0.28	0.0020		mg/L	1	3/21/2008 2:25:00 PM
Potassium	88	1.0		mg/L	1	3/19/2008 12:17:47 PM
Selenium	ND	0.050		mg/L	1	3/19/2008 12:17:47 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 12:17:47 PM
Sodium	1700	50		mg/L	100	3/21/2008 2:28:38 PM
Uranium	ND	0.10		mg/L	1	3/19/2008 12:17:47 PM
Zinc	0.12	0.020		mg/L	1	3/19/2008 12:17:47 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	3.8	1.0		µg/L	1	3/13/2008 8:34:11 PM
Toluene	11	1.0		µg/L	1	3/13/2008 8:34:11 PM
Ethylbenzene	2.1	1.0		µg/L	1	3/13/2008 8:34:11 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2,4-Trimethylbenzene	12	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,3,5-Trimethylbenzene	3.2	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Naphthalene	20	2.0		µg/L	1	3/13/2008 8:34:11 PM
1-Methylnaphthalene	34	4.0		µg/L	1	3/13/2008 8:34:11 PM
2-Methylnaphthalene	49	4.0		µg/L	1	3/13/2008 8:34:11 PM
Acetone	1700	100		µg/L	10	3/17/2008 1:23:35 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:20:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
2-Butanone	120	10		µg/L	1	3/13/2008 8:34:11 PM
Carbon disulfide	18	10		µg/L	1	3/13/2008 8:34:11 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 8:34:11 PM
Chloroform	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 8:34:11 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 8:34:11 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 8:34:11 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 8:34:11 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 8:34:11 PM
n-Butylbenzene	1.4	1.0		µg/L	1	3/13/2008 8:34:11 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 8:34:11 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:20:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 8:34:11 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 8:34:11 PM
Xylenes, Total	14	1.5		µg/L	1	3/13/2008 8:34:11 PM
Surr: 1,2-Dichloroethane-d4	103	68.1-123		%REC	1	3/13/2008 8:34:11 PM
Surr: 4-Bromofluorobenzene	99.6	53.2-145		%REC	1	3/13/2008 8:34:11 PM
Surr: Dibromofluoromethane	97.8	68.5-119		%REC	1	3/13/2008 8:34:11 PM
Surr: Toluene-d8	105	64-131		%REC	1	3/13/2008 8:34:11 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	8400	0.010		µmhos/cm	1	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	6.81	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:50:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	41	5.0		mg/L	50	3/12/2008 6:12:49 PM
Chloride	2700	10		mg/L	100	3/24/2008 4:04:13 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 6:12:49 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 6:12:49 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 6:12:49 PM
Sulfate	1000	25		mg/L	50	3/12/2008 6:12:49 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:13:24 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 12:22:10 PM
Barium	0.037	0.010		mg/L	1	3/19/2008 12:22:10 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 12:22:10 PM
Calcium	170	1.0		mg/L	2	3/19/2008 1:59:00 PM
Chromium	ND	0.0060		mg/L	1	3/19/2008 12:22:10 PM
Copper	ND	0.0060		mg/L	1	3/19/2008 12:22:10 PM
Iron	1.4	0.10		mg/L	2	3/19/2008 1:59:00 PM
Lead	ND	0.0050		mg/L	1	3/19/2008 12:22:10 PM
Magnesium	71	0.50		mg/L	1	3/19/2008 12:22:10 PM
Manganese	0.23	0.0020		mg/L	1	3/21/2008 2:31:34 PM
Potassium	93	1.0		mg/L	1	3/19/2008 12:22:10 PM
Selenium	ND	0.50		mg/L	10	3/28/2008 1:20:45 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 12:22:10 PM
Sodium	2000	50		mg/L	100	3/21/2008 2:35:18 PM
Uranium	ND	0.10		mg/L	1	3/19/2008 12:22:10 PM
Zinc	0.045	0.020		mg/L	1	3/19/2008 12:22:10 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Toluene	1.9	1.0		µg/L	1	3/13/2008 9:02:52 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2,4-Trimethylbenzene	4.3	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,3,5-Trimethylbenzene	1.0	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Naphthalene	8.7	2.0		µg/L	1	3/13/2008 9:02:52 PM
1-Methylnaphthalene	20	4.0		µg/L	1	3/13/2008 9:02:52 PM
2-Methylnaphthalene	28	4.0		µg/L	1	3/13/2008 9:02:52 PM
Acetone	920	100		µg/L	10	3/17/2008 1:54:06 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:50:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
2-Butanone	64	10		µg/L	1	3/13/2008 9:02:52 PM
Carbon disulfide	45	10		µg/L	1	3/13/2008 9:02:52 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 9:02:52 PM
Chloroform	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 9:02:52 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 9:02:52 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 9:02:52 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 9:02:52 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 9:02:52 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 9:02:52 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:50:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 9:02:52 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 9:02:52 PM
Xylenes, Total	4.0	1.5		µg/L	1	3/13/2008 9:02:52 PM
Surr: 1,2-Dichloroethane-d4	105	68.1-123		%REC	1	3/13/2008 9:02:52 PM
Surr: 4-Bromofluorobenzene	106	53.2-145		%REC	1	3/13/2008 9:02:52 PM
Surr: Dibromofluoromethane	112	68.5-119		%REC	1	3/13/2008 9:02:52 PM
Surr: Toluene-d8	106	64-131		%REC	1	3/13/2008 9:02:52 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	9800	0.010		µmhos/cm	1	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	7.86	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:35:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	32	5.0		mg/L	50	3/12/2008 6:30:14 PM
Chloride	2800	10		mg/L	100	3/24/2008 4:21:37 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 6:30:14 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 6:30:14 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 6:30:14 PM
Sulfate	1000	25		mg/L	50	3/12/2008 6:30:14 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:15:10 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 12:26:15 PM
Barium	0.045	0.010		mg/L	1	3/19/2008 12:26:15 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 12:26:15 PM
Calcium	230	50		mg/L	100	3/19/2008 2:01:57 PM
Chromium	ND	0.0060		mg/L	1	3/19/2008 12:26:15 PM
Copper	ND	0.0060		mg/L	1	3/19/2008 12:26:15 PM
Iron	0.73	0.050		mg/L	1	3/19/2008 12:26:15 PM
Lead	ND	0.0050		mg/L	1	3/19/2008 12:26:15 PM
Magnesium	80	0.50		mg/L	1	3/19/2008 12:26:15 PM
Manganese	0.21	0.0020		mg/L	1	3/21/2008 2:39:55 PM
Potassium	94	1.0		mg/L	1	3/19/2008 12:26:15 PM
Selenium	ND	0.50		mg/L	10	3/28/2008 1:32:16 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 12:26:15 PM
Sodium	2000	50		mg/L	100	3/21/2008 2:53:09 PM
Uranium	ND	0.10		mg/L	1	3/19/2008 12:26:15 PM
Zinc	0.034	0.020		mg/L	1	3/19/2008 12:26:15 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Toluene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2,4-Trimethylbenzene	2.8	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Naphthalene	6.6	2.0		µg/L	1	3/13/2008 9:31:55 PM
1-Methylnaphthalene	15	4.0		µg/L	1	3/13/2008 9:31:55 PM
2-Methylnaphthalene	22	4.0		µg/L	1	3/13/2008 9:31:55 PM
Acetone	800	100		µg/L	10	3/17/2008 2:24:38 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:35:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
2-Butanone	42	10		µg/L	1	3/13/2008 9:31:55 PM
Carbon disulfide	63	10		µg/L	1	3/13/2008 9:31:55 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 9:31:55 PM
Chloroform	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 9:31:55 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 9:31:55 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 9:31:55 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 9:31:55 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 9:31:55 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 9:31:55 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	0803087	**Collection Date:**	3/11/2008 9:35:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 9:31:55 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 9:31:55 PM
Xylenes, Total	2.0	1.5		µg/L	1	3/13/2008 9:31:55 PM
Surr: 1,2-Dichloroethane-d4	109	68.1-123		%REC	1	3/13/2008 9:31:55 PM
Surr: 4-Bromofluorobenzene	95.7	53.2-145		%REC	1	3/13/2008 9:31:55 PM
Surr: Dibromofluoromethane	106	68.5-119		%REC	1	3/13/2008 9:31:55 PM
Surr: Toluene-d8	106	64-131		%REC	1	3/13/2008 9:31:55 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	10000	0.010		µmhos/cm	1	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	8.06	0.1		pH units	1	3/12/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:05:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	41	5.0		mg/L	50	3/12/2008 6:47:39 PM
Chloride	2900	10		mg/L	100	3/24/2008 5:13:50 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 6:47:39 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 6:47:39 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 6:47:39 PM
Sulfate	1100	25		mg/L	50	3/12/2008 6:47:39 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:16:57 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 12:30:19 PM
Barium	0.059	0.010		mg/L	1	3/19/2008 12:30:19 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 12:30:19 PM
Calcium	290	50		mg/L	100	3/19/2008 2:04:14 PM
Chromium	ND	0.0060		mg/L	1	3/19/2008 12:30:19 PM
Copper	ND	0.0060		mg/L	1	3/19/2008 12:30:19 PM
Iron	0.64	0.050		mg/L	1	3/19/2008 12:30:19 PM
Lead	ND	0.0050		mg/L	1	3/19/2008 12:30:19 PM
Magnesium	80	0.50		mg/L	1	3/19/2008 12:30:19 PM
Manganese	0.28	0.0020		mg/L	1	3/21/2008 2:56:03 PM
Potassium	83	1.0		mg/L	1	3/19/2008 12:30:19 PM
Selenium	ND	0.50		mg/L	10	3/28/2008 1:34:46 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 12:30:19 PM
Sodium	1900	50		mg/L	100	3/21/2008 2:59:40 PM
Uranium	ND	0.10		mg/L	1	3/19/2008 12:30:19 PM
Zinc	0.029	0.020		mg/L	1	3/19/2008 12:30:19 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Toluene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2,4-Trimethylbenzene	1.5	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Naphthalene	3.7	2.0		µg/L	1	3/13/2008 10:01:14 PM
1-Methylnaphthalene	11	4.0		µg/L	1	3/13/2008 10:01:14 PM
2-Methylnaphthalene	17	4.0		µg/L	1	3/13/2008 10:01:14 PM
Acetone	190	10		µg/L	1	3/13/2008 10:01:14 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:05:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
2-Butanone	23	10		µg/L	1	3/13/2008 10:01:14 PM
Carbon disulfide	97	10		µg/L	1	3/13/2008 10:01:14 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 10:01:14 PM
Chloroform	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 10:01:14 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 10:01:14 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 10:01:14 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 10:01:14 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 10:01:14 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 10:01:14 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:05:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 10:01:14 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 10:01:14 PM
Xylenes, Total	ND	1.5		µg/L	1	3/13/2008 10:01:14 PM
Surr: 1,2-Dichloroethane-d4	105	68.1-123		%REC	1	3/13/2008 10:01:14 PM
Surr: 4-Bromofluorobenzene	91.8	53.2-145		%REC	1	3/13/2008 10:01:14 PM
Surr: Dibromofluoromethane	110	68.5-119		%REC	1	3/13/2008 10:01:14 PM
Surr: Toluene-d8	106	64-131		%REC	1	3/13/2008 10:01:14 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	10000	0.010		µmhos/cm	1	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	7.82	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:20:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	35	5.0		mg/L	50	3/12/2008 7:05:03 PM
Chloride	4100	20		mg/L	200	3/24/2008 3:29:24 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 7:05:03 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 7:05:03 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 7:05:03 PM
Sulfate	1600	25		mg/L	50	3/12/2008 7:05:03 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:18:44 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.10		mg/L	5	3/19/2008 2:12:57 PM
Barium	0.073	0.050		mg/L	5	3/19/2008 2:12:57 PM
Cadmium	ND	0.010		mg/L	5	3/19/2008 2:12:57 PM
Calcium	300	2.5		mg/L	5	3/19/2008 2:12:57 PM
Chromium	ND	0.030		mg/L	5	3/19/2008 2:12:57 PM
Copper	ND	0.030		mg/L	5	3/19/2008 2:12:57 PM
Iron	1.3	0.25		mg/L	5	3/19/2008 2:12:57 PM
Lead	ND	0.025		mg/L	5	3/19/2008 2:12:57 PM
Magnesium	100	2.5		mg/L	5	3/19/2008 2:12:57 PM
Manganese	0.52	0.010		mg/L	5	3/21/2008 3:02:35 PM
Potassium	110	5.0		mg/L	5	3/19/2008 2:12:57 PM
Selenium	ND	0.50		mg/L	10	3/19/2008 2:10:30 PM
Silver	ND	0.025		mg/L	5	3/19/2008 2:12:57 PM
Sodium	2800	50		mg/L	100	3/21/2008 3:06:28 PM
Uranium	ND	0.50		mg/L	5	3/19/2008 2:12:57 PM
Zinc	ND	0.10		mg/L	5	3/19/2008 2:12:57 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Toluene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2,4-Trimethylbenzene	2.0	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Naphthalene	4.0	2.0		µg/L	1	3/13/2008 10:30:39 PM
1-Methylnaphthalene	15	4.0		µg/L	1	3/13/2008 10:30:39 PM
2-Methylnaphthalene	20	4.0		µg/L	1	3/13/2008 10:30:39 PM
Acetone	640	50		µg/L	5	3/17/2008 2:55:10 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:20:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
2-Butanone	32	10		µg/L	1	3/13/2008 10:30:39 PM
Carbon disulfide	40	10		µg/L	1	3/13/2008 10:30:39 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 10:30:39 PM
Chloroform	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 10:30:39 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 10:30:39 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 10:30:39 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 10:30:39 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 10:30:39 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 10:30:39 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:20:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 10:30:39 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 10:30:39 PM
Xylenes, Total	ND	1.5		µg/L	1	3/13/2008 10:30:39 PM
Surr: 1,2-Dichloroethane-d4	102	68.1-123		%REC	1	3/13/2008 10:30:39 PM
Surr: 4-Bromofluorobenzene	100	53.2-145		%REC	1	3/13/2008 10:30:39 PM
Surr: Dibromofluoromethane	101	68.5-119		%REC	1	3/13/2008 10:30:39 PM
Surr: Toluene-d8	107	64-131		%REC	1	3/13/2008 10:30:39 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	13000	0.010		µmhos/cm	1	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	7.77	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 7
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:40:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	22	5.0		mg/L	50	3/12/2008 7:22:28 PM
Chloride	22000	100		mg/L	1000	3/25/2008 8:55:34 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 7:22:28 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 7:22:28 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 7:22:28 PM
Sulfate	5600	250		mg/L	500	3/24/2008 5:31:15 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:20:32 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.10		mg/L	5	3/19/2008 2:19:37 PM
Barium	0.074	0.050		mg/L	5	3/19/2008 2:19:37 PM
Cadmium	ND	0.010		mg/L	5	3/19/2008 2:19:37 PM
Calcium	690	50		mg/L	100	3/19/2008 2:15:28 PM
Chromium	ND	0.030		mg/L	5	3/19/2008 2:19:37 PM
Copper	ND	0.030		mg/L	5	3/19/2008 2:19:37 PM
Iron	0.69	0.25		mg/L	5	3/19/2008 2:19:37 PM
Lead	ND	0.025		mg/L	5	3/19/2008 2:19:37 PM
Magnesium	490	2.5		mg/L	5	3/19/2008 2:19:37 PM
Manganese	3.2	0.010		mg/L	5	3/21/2008 4:15:58 PM
Potassium	590	100		mg/L	100	3/19/2008 2:15:28 PM
Selenium	ND	0.50		mg/L	10	3/28/2008 1:37:12 PM
Silver	ND	0.025		mg/L	5	3/19/2008 2:19:37 PM
Sodium	13000	100		mg/L	200	3/21/2008 4:19:35 PM
Uranium	ND	0.50		mg/L	5	3/19/2008 2:19:37 PM
Zinc	ND	0.10		mg/L	5	3/19/2008 2:19:37 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Toluene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Naphthalene	ND	2.0		µg/L	1	3/13/2008 11:00:09 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/13/2008 11:00:09 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/13/2008 11:00:09 PM
Acetone	34	10		µg/L	1	3/13/2008 11:00:09 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 7
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:40:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
2-Butanone	ND	10		µg/L	1	3/13/2008 11:00:09 PM
Carbon disulfide	ND	10		µg/L	1	3/13/2008 11:00:09 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 11:00:09 PM
Chloroform	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 11:00:09 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 11:00:09 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 11:00:09 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 11:00:09 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 11:00:09 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 11:00:09 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 7
Lab Order:	0803087	**Collection Date:**	3/11/2008 10:40:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 11:00:09 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 11:00:09 PM
Xylenes, Total	ND	1.5		µg/L	1	3/13/2008 11:00:09 PM
Surr: 1,2-Dichloroethane-d4	106	68.1-123		%REC	1	3/13/2008 11:00:09 PM
Surr: 4-Bromofluorobenzene	113	53.2-145		%REC	1	3/13/2008 11:00:09 PM
Surr: Dibromofluoromethane	107	68.5-119		%REC	1	3/13/2008 11:00:09 PM
Surr: Toluene-d8	110	64-131		%REC	1	3/13/2008 11:00:09 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	68000	0.10		µmhos/cm	10	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	7.61	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	0803087	**Collection Date:**	3/11/2008 11:00:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Fluoride	25	5.0		mg/L	50	3/12/2008 7:39:52 PM
Chloride	30000	100		mg/L	1000	3/25/2008 9:12:58 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 7:39:52 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 7:39:52 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 7:39:52 PM
Sulfate	6100	250		mg/L	500	3/24/2008 5:48:39 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:22:19 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.20		mg/L	10	3/19/2008 3:02:01 PM
Barium	ND	0.10		mg/L	10	3/19/2008 3:02:01 PM
Cadmium	ND	0.020		mg/L	10	3/19/2008 3:02:01 PM
Calcium	590	50		mg/L	100	3/19/2008 2:21:56 PM
Chromium	ND	0.060		mg/L	10	3/19/2008 3:02:01 PM
Copper	ND	0.060		mg/L	10	3/19/2008 3:02:01 PM
Iron	1.4	0.50		mg/L	10	3/19/2008 3:02:01 PM
Lead	ND	0.050		mg/L	10	3/19/2008 3:02:01 PM
Magnesium	760	50		mg/L	100	3/19/2008 2:21:56 PM
Manganese	5.8	0.020		mg/L	10	3/21/2008 4:22:23 PM
Potassium	1100	100		mg/L	100	3/19/2008 2:21:56 PM
Selenium	ND	0.50		mg/L	10	3/19/2008 3:02:01 PM
Silver	ND	0.050		mg/L	10	3/19/2008 3:02:01 PM
Sodium	20000	250		mg/L	500	3/21/2008 4:27:40 PM
Uranium	ND	1.0		mg/L	10	3/19/2008 3:02:01 PM
Zinc	ND	0.20		mg/L	10	3/19/2008 3:02:01 PM
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Toluene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Naphthalene	ND	2.0		µg/L	1	3/13/2008 11:29:10 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/13/2008 11:29:10 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/13/2008 11:29:10 PM
Acetone	24	10		µg/L	1	3/13/2008 11:29:10 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	0803087	**Collection Date:**	3/11/2008 11:00:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
2-Butanone	ND	10		µg/L	1	3/13/2008 11:29:10 PM
Carbon disulfide	ND	10		µg/L	1	3/13/2008 11:29:10 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 11:29:10 PM
Chloroform	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 11:29:10 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 11:29:10 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 11:29:10 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 11:29:10 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 11:29:10 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 11:29:10 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	0803087	**Collection Date:**	3/11/2008 11:00:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 11:29:10 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 11:29:10 PM
Xylenes, Total	ND	1.5		µg/L	1	3/13/2008 11:29:10 PM
Surr: 1,2-Dichloroethane-d4	109	68.1-123		%REC	1	3/13/2008 11:29:10 PM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	1	3/13/2008 11:29:10 PM
Surr: Dibromofluoromethane	102	68.5-119		%REC	1	3/13/2008 11:29:10 PM
Surr: Toluene-d8	112	64-131		%REC	1	3/13/2008 11:29:10 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **NSB**
Specific Conductance	94000	0.10		µmhos/cm	10	3/13/2008
SM4500-H+B: PH						Analyst: **BDH**
pH	7.47	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:00:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	24	1.0		mg/L	1	3/12/2008 11:59:44 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/12/2008 11:59:44 AM
Surr: DNOP	99.2	58-140		%REC	1	3/12/2008 11:59:44 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.7	0.50		mg/L	10	3/17/2008 11:52:11 AM
Surr: BFB	120	79.2-121		%REC	10	3/17/2008 11:52:11 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:29:39 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 1:04:27 PM
Barium	0.017	0.010		mg/L	1	3/19/2008 1:04:27 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 1:04:27 PM
Chromium	0.10	0.0060		mg/L	1	3/19/2008 1:04:27 PM
Copper	ND	0.0060		mg/L	1	3/19/2008 1:04:27 PM
Iron	110	10		mg/L	200	3/21/2008 3:57:08 PM
Lead	ND	0.0050		mg/L	1	3/19/2008 1:04:27 PM
Manganese	1.4	0.010		mg/L	5	3/21/2008 3:24:05 PM
Selenium	ND	0.050		mg/L	1	3/19/2008 1:04:27 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 1:04:27 PM
Uranium	1.9	1.0		mg/L	10	3/19/2008 2:45:30 PM
Zinc	1.9	0.20		mg/L	10	3/19/2008 2:45:30 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	190	10		µg/L	10	3/13/2008 5:34:49 PM
Toluene	460	10		µg/L	10	3/13/2008 5:34:49 PM
Ethylbenzene	99	10		µg/L	10	3/13/2008 5:34:49 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2,4-Trimethylbenzene	600	10		µg/L	10	3/13/2008 5:34:49 PM
1,3,5-Trimethylbenzene	170	10		µg/L	10	3/13/2008 5:34:49 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Naphthalene	330	20		µg/L	10	3/13/2008 5:34:49 PM
1-Methylnaphthalene	340	40		µg/L	10	3/13/2008 5:34:49 PM
2-Methylnaphthalene	520	40		µg/L	10	3/13/2008 5:34:49 PM
Acetone	2200	200		µg/L	20	3/17/2008 3:25:40 PM
Bromobenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Bromodichloromethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Bromoform	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Bromomethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:00:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
2-Butanone	480	100		µg/L	10	3/13/2008 5:34:49 PM
Carbon disulfide	ND	100		µg/L	10	3/13/2008 5:34:49 PM
Carbon Tetrachloride	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Chlorobenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Chloroethane	ND	20		µg/L	10	3/13/2008 5:34:49 PM
Chloroform	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Chloromethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
2-Chlorotoluene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
4-Chlorotoluene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
cis-1,2-DCE	ND	10		µg/L	10	3/13/2008 5:34:49 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	3/13/2008 5:34:49 PM
Dibromochloromethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Dibromomethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Dichlorodifluoromethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,1-Dichloroethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,1-Dichloroethene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2-Dichloropropane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,3-Dichloropropane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
2,2-Dichloropropane	ND	20		µg/L	10	3/13/2008 5:34:49 PM
1,1-Dichloropropene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Hexachlorobutadiene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
2-Hexanone	ND	100		µg/L	10	3/13/2008 5:34:49 PM
Isopropylbenzene	12	10		µg/L	10	3/13/2008 5:34:49 PM
4-Isopropyltoluene	15	10		µg/L	10	3/13/2008 5:34:49 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	3/13/2008 5:34:49 PM
Methylene Chloride	ND	30		µg/L	10	3/13/2008 5:34:49 PM
n-Butylbenzene	55	10		µg/L	10	3/13/2008 5:34:49 PM
n-Propylbenzene	45	10		µg/L	10	3/13/2008 5:34:49 PM
sec-Butylbenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Styrene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
tert-Butylbenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	3/13/2008 5:34:49 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	3/13/2008 5:34:49 PM
trans-1,2-DCE	ND	10		µg/L	10	3/13/2008 5:34:49 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	3/13/2008 5:34:49 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:00:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
1,1,1-Trichloroethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Trichloroethene (TCE)	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Trichlorofluoromethane	ND	10		µg/L	10	3/13/2008 5:34:49 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	3/13/2008 5:34:49 PM
Vinyl chloride	ND	10		µg/L	10	3/13/2008 5:34:49 PM
Xylenes, Total	680	15		µg/L	10	3/13/2008 5:34:49 PM
Surr: 1,2-Dichloroethane-d4	108	68.1-123		%REC	10	3/13/2008 5:34:49 PM
Surr: 4-Bromofluorobenzene	90.4	53.2-145		%REC	10	3/13/2008 5:34:49 PM
Surr: Dibromofluoromethane	109	68.5-119		%REC	10	3/13/2008 5:34:49 PM
Surr: Toluene-d8	113	64-131		%REC	10	3/13/2008 5:34:49 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0803087	**Collection Date:**	3/11/2008 8:30:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	12	3.0		mg/L	1	3/12/2008 1:44:25 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	3/12/2008 1:44:25 PM
Surr: DNOP	118	58-140		%REC	1	3/12/2008 1:44:25 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/17/2008 12:53:13 PM
Surr: BFB	107	79.2-121		%REC	1	3/17/2008 12:53:13 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	3/14/2008 4:31:28 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 1:07:48 PM
Barium	0.022	0.010		mg/L	1	3/19/2008 1:07:48 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 1:07:48 PM
Chromium	ND	0.0060		mg/L	1	3/19/2008 1:07:48 PM
Copper	0.018	0.0060		mg/L	1	3/19/2008 1:07:48 PM
Iron	0.35	0.050		mg/L	1	3/19/2008 1:07:48 PM
Lead	ND	0.0050		mg/L	1	3/19/2008 1:07:48 PM
Manganese	0.092	0.0020		mg/L	1	3/21/2008 3:59:54 PM
Selenium	ND	0.50		mg/L	10	3/28/2008 1:39:41 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 1:07:48 PM
Uranium	ND	0.10		mg/L	1	3/19/2008 1:07:48 PM
Zinc	0.055	0.020		mg/L	1	3/19/2008 1:07:48 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Toluene	1.5	1.0		µg/L	1	3/13/2008 6:04:28 PM
Ethylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Naphthalene	ND	2.0		µg/L	1	3/13/2008 6:04:28 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/13/2008 6:04:28 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/13/2008 6:04:28 PM
Acetone	490	50		µg/L	5	3/17/2008 3:56:18 PM
Bromobenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Bromoform	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Bromomethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0803087	**Collection Date:**	3/11/2008 8:30:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
2-Butanone	ND	10		µg/L	1	3/13/2008 6:04:28 PM
Carbon disulfide	ND	10		µg/L	1	3/13/2008 6:04:28 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Chlorobenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Chloroethane	ND	2.0		µg/L	1	3/13/2008 6:04:28 PM
Chloroform	6.9	1.0		µg/L	1	3/13/2008 6:04:28 PM
Chloromethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/13/2008 6:04:28 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Dibromomethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	3/13/2008 6:04:28 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
2-Hexanone	ND	10		µg/L	1	3/13/2008 6:04:28 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/13/2008 6:04:28 PM
Methylene Chloride	ND	3.0		µg/L	1	3/13/2008 6:04:28 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Styrene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/13/2008 6:04:28 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0803087	**Collection Date:**	3/11/2008 8:30:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/13/2008 6:04:28 PM
Vinyl chloride	ND	1.0		µg/L	1	3/13/2008 6:04:28 PM
Xylenes, Total	ND	1.5		µg/L	1	3/13/2008 6:04:28 PM
Surr: 1,2-Dichloroethane-d4	104	68.1-123		%REC	1	3/13/2008 6:04:28 PM
Surr: 4-Bromofluorobenzene	109	53.2-145		%REC	1	3/13/2008 6:04:28 PM
Surr: Dibromofluoromethane	107	68.5-119		%REC	1	3/13/2008 6:04:28 PM
Surr: Toluene-d8	106	64-131		%REC	1	3/13/2008 6:04:28 PM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:30:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	290	30		mg/L	10	3/12/2008 1:09:22 PM
Motor Oil Range Organics (MRO)	ND	150		mg/L	10	3/12/2008 1:09:22 PM
Surr: DNOP	127	58-140		%REC	10	3/12/2008 1:09:22 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	11	1.0		mg/L	20	3/17/2008 2:25:37 PM
Surr: BFB	154	79.2-121	S	%REC	20	3/17/2008 2:25:37 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	69	5.0		mg/L	50	3/12/2008 8:32:04 PM
Chloride	480	5.0		mg/L	50	3/12/2008 8:32:04 PM
Nitrogen, Nitrite (As N)	ND	5.0		mg/L	50	3/12/2008 8:32:04 PM
Nitrogen, Nitrate (As N)	ND	5.0		mg/L	50	3/12/2008 8:32:04 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	3/12/2008 8:32:04 PM
Sulfate	570	25		mg/L	50	3/12/2008 8:32:04 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	0.00028	0.00020		mg/L	1	3/14/2008 4:33:18 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	3/19/2008 1:13:28 PM
Barium	0.32	0.010		mg/L	1	3/19/2008 1:13:28 PM
Cadmium	ND	0.0020		mg/L	1	3/19/2008 1:13:28 PM
Calcium	120	10		mg/L	20	3/19/2008 2:53:07 PM
Chromium	0.019	0.0060		mg/L	1	3/19/2008 1:13:28 PM
Copper	0.053	0.0060		mg/L	1	3/19/2008 1:13:28 PM
Iron	10	1.0		mg/L	20	3/19/2008 2:53:07 PM
Lead	0.013	0.0050		mg/L	1	3/19/2008 1:13:28 PM
Magnesium	28	0.50		mg/L	1	3/19/2008 1:13:28 PM
Manganese	0.20	0.0020		mg/L	1	3/21/2008 4:02:38 PM
Potassium	22	1.0		mg/L	1	3/19/2008 1:13:28 PM
Selenium	ND	0.50		mg/L	10	3/28/2008 1:42:11 PM
Silver	ND	0.0050		mg/L	1	3/19/2008 1:13:28 PM
Sodium	550	10		mg/L	20	3/21/2008 4:06:09 PM
Uranium	ND	0.10		mg/L	1	3/19/2008 1:13:28 PM
Zinc	1.3	0.40		mg/L	20	3/19/2008 2:53:07 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	3/17/2008
Acenaphthylene	ND	50		µg/L	1	3/17/2008
Aniline	ND	50		µg/L	1	3/17/2008
Anthracene	ND	50		µg/L	1	3/17/2008

Qualifiers:

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- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:30:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Azobenzene	ND	50		µg/L	1	3/17/2008
Benz(a)anthracene	ND	50		µg/L	1	3/17/2008
Benzo(a)pyrene	ND	50		µg/L	1	3/17/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	3/17/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	3/17/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	3/17/2008
Benzoic acid	ND	100		µg/L	1	3/17/2008
Benzyl alcohol	ND	50		µg/L	1	3/17/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	3/17/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	3/17/2008
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	3/17/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	3/17/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	3/17/2008
Butyl benzyl phthalate	ND	50		µg/L	1	3/17/2008
Carbazole	71	50		µg/L	1	3/17/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/17/2008
4-Chloroaniline	ND	50		µg/L	1	3/17/2008
2-Chloronaphthalene	ND	50		µg/L	1	3/17/2008
2-Chlorophenol	ND	50		µg/L	1	3/17/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	3/17/2008
Chrysene	120	50		µg/L	1	3/17/2008
Di-n-butyl phthalate	ND	50		µg/L	1	3/17/2008
Di-n-octyl phthalate	ND	50		µg/L	1	3/17/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	3/17/2008
Dibenzofuran	ND	50		µg/L	1	3/17/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	3/17/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	3/17/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	3/17/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	3/17/2008
Diethyl phthalate	ND	50		µg/L	1	3/17/2008
Dimethyl phthalate	ND	50		µg/L	1	3/17/2008
2,4-Dichlorophenol	ND	50		µg/L	1	3/17/2008
2,4-Dimethylphenol	ND	50		µg/L	1	3/17/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dinitrophenol	ND	100		µg/L	1	3/17/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	3/17/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	3/17/2008
Fluoranthene	ND	50		µg/L	1	3/17/2008
Fluorene	93	50		µg/L	1	3/17/2008
Hexachlorobenzene	ND	50		µg/L	1	3/17/2008
Hexachlorobutadiene	ND	50		µg/L	1	3/17/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	3/17/2008

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:30:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Hexachloroethane	ND	50		µg/L	1	3/17/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	3/17/2008
Isophorone	ND	50		µg/L	1	3/17/2008
2-Methylnaphthalene	590	50		µg/L	1	3/17/2008
2-Methylphenol	150	50		µg/L	1	3/17/2008
3+4-Methylphenol	170	50		µg/L	1	3/17/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	3/17/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	3/17/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	3/17/2008
Naphthalene	220	50		µg/L	1	3/17/2008
2-Nitroaniline	ND	50		µg/L	1	3/17/2008
3-Nitroaniline	ND	50		µg/L	1	3/17/2008
4-Nitroaniline	ND	50		µg/L	1	3/17/2008
Nitrobenzene	ND	50		µg/L	1	3/17/2008
2-Nitrophenol	ND	50		µg/L	1	3/17/2008
4-Nitrophenol	ND	50		µg/L	1	3/17/2008
Pentachlorophenol	ND	100		µg/L	1	3/17/2008
Phenanthrene	440	50		µg/L	1	3/17/2008
Phenol	190	50		µg/L	1	3/17/2008
Pyrene	150	50		µg/L	1	3/17/2008
Pyridine	ND	50		µg/L	1	3/17/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	3/17/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/17/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/17/2008
Surr: 2,4,6-Tribromophenol	3.80	16.6-150	S	%REC	1	3/17/2008
Surr: 2-Fluorobiphenyl	75.9	19.6-134		%REC	1	3/17/2008
Surr: 2-Fluorophenol	5.93	9.54-113	S	%REC	1	3/17/2008
Surr: 4-Terphenyl-d14	54.8	22.7-145		%REC	1	3/17/2008
Surr: Nitrobenzene-d5	77.6	14.6-134		%REC	1	3/17/2008
Surr: Phenol-d5	30.5	10.7-80.3		%REC	1	3/17/2008
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Benzene	470	50		µg/L	50	3/13/2008 6:35:01 PM
Toluene	730	50		µg/L	50	3/13/2008 6:35:01 PM
Ethylbenzene	150	50		µg/L	50	3/13/2008 6:35:01 PM
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2,4-Trimethylbenzene	590	50		µg/L	50	3/13/2008 6:35:01 PM
1,3,5-Trimethylbenzene	170	50		µg/L	50	3/13/2008 6:35:01 PM
1,2-Dichloroethane (EDC)	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2-Dibromoethane (EDB)	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Naphthalene	200	100		µg/L	50	3/13/2008 6:35:01 PM
1-Methylnaphthalene	250	200		µg/L	50	3/13/2008 6:35:01 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:30:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
2-Methylnaphthalene	380	200		µg/L	50	3/13/2008 6:35:01 PM
Acetone	500	500		µg/L	50	3/13/2008 6:35:01 PM
Bromobenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Bromodichloromethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Bromoform	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Bromomethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
2-Butanone	ND	500		µg/L	50	3/13/2008 6:35:01 PM
Carbon disulfide	ND	500		µg/L	50	3/13/2008 6:35:01 PM
Carbon Tetrachloride	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Chlorobenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Chloroethane	ND	100		µg/L	50	3/13/2008 6:35:01 PM
Chloroform	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Chloromethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
2-Chlorotoluene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
4-Chlorotoluene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
cis-1,2-DCE	ND	50		µg/L	50	3/13/2008 6:35:01 PM
cis-1,3-Dichloropropene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2-Dibromo-3-chloropropane	ND	100		µg/L	50	3/13/2008 6:35:01 PM
Dibromochloromethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Dibromomethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2-Dichlorobenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,3-Dichlorobenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,4-Dichlorobenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Dichlorodifluoromethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,1-Dichloroethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,1-Dichloroethene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2-Dichloropropane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,3-Dichloropropane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
2,2-Dichloropropane	ND	100		µg/L	50	3/13/2008 6:35:01 PM
1,1-Dichloropropene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Hexachlorobutadiene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
2-Hexanone	ND	500		µg/L	50	3/13/2008 6:35:01 PM
Isopropylbenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
4-Isopropyltoluene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
4-Methyl-2-pentanone	ND	500		µg/L	50	3/13/2008 6:35:01 PM
Methylene Chloride	ND	150		µg/L	50	3/13/2008 6:35:01 PM
n-Butylbenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
n-Propylbenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
sec-Butylbenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Styrene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
tert-Butylbenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,1,1,2-Tetrachloroethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0803087	**Collection Date:**	3/10/2008 2:30:00 PM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
1,1,2,2-Tetrachloroethane	ND	100		µg/L	50	3/13/2008 6:35:01 PM
Tetrachloroethene (PCE)	ND	50		µg/L	50	3/13/2008 6:35:01 PM
trans-1,2-DCE	ND	50		µg/L	50	3/13/2008 6:35:01 PM
trans-1,3-Dichloropropene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2,3-Trichlorobenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2,4-Trichlorobenzene	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,1,1-Trichloroethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,1,2-Trichloroethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Trichloroethene (TCE)	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Trichlorofluoromethane	ND	50		µg/L	50	3/13/2008 6:35:01 PM
1,2,3-Trichloropropane	ND	100		µg/L	50	3/13/2008 6:35:01 PM
Vinyl chloride	ND	50		µg/L	50	3/13/2008 6:35:01 PM
Xylenes, Total	970	75		µg/L	50	3/13/2008 6:35:01 PM
Surr: 1,2-Dichloroethane-d4	105	68.1-123		%REC	50	3/13/2008 6:35:01 PM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	50	3/13/2008 6:35:01 PM
Surr: Dibromofluoromethane	111	68.5-119		%REC	50	3/13/2008 6:35:01 PM
Surr: Toluene-d8	107	64-131		%REC	50	3/13/2008 6:35:01 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: NSB
Specific Conductance	2800	0.010		µmhos/cm	1	3/13/2008
SM4500-H+B: PH						Analyst: BDH
pH	9.14	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0803087	**Collection Date:**	3/11/2008 7:30:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dichlorophenol	ND	50		µg/L	1	3/17/2008
2,4-Dimethylphenol	63	50		µg/L	1	3/17/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dinitrophenol	ND	100		µg/L	1	3/17/2008
2-Methylphenol	710	50		µg/L	1	3/17/2008
3+4-Methylphenol	890	50		µg/L	1	3/17/2008
2-Nitrophenol	ND	50		µg/L	1	3/17/2008
4-Nitrophenol	ND	50		µg/L	1	3/17/2008
Pentachlorophenol	ND	100		µg/L	1	3/17/2008
Phenol	1300	250		µg/L	5	3/17/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/17/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/17/2008
Surr: 2,4,6-Tribromophenol	12.3	16.6-150	S	%REC	1	3/17/2008
Surr: 2-Fluorobiphenyl	78.5	19.6-134		%REC	1	3/17/2008
Surr: 2-Fluorophenol	18.4	9.54-113		%REC	1	3/17/2008
Surr: 4-Terphenyl-d14	62.5	22.7-145		%REC	1	3/17/2008
Surr: Nitrobenzene-d5	87.7	14.6-134		%REC	1	3/17/2008
Surr: Phenol-d5	40.2	10.7-80.3		%REC	1	3/17/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 Inlet
Lab Order:	0803087	**Collection Date:**	3/11/2008 7:45:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dichlorophenol	ND	50		µg/L	1	3/17/2008
2,4-Dimethylphenol	52	50		µg/L	1	3/17/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dinitrophenol	ND	100		µg/L	1	3/17/2008
2-Methylphenol	370	50		µg/L	1	3/17/2008
3+4-Methylphenol	580	50		µg/L	1	3/17/2008
2-Nitrophenol	ND	50		µg/L	1	3/17/2008
4-Nitrophenol	ND	50		µg/L	1	3/17/2008
Pentachlorophenol	ND	100		µg/L	1	3/17/2008
Phenol	480	50		µg/L	1	3/17/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/17/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/17/2008
Surr: 2,4,6-Tribromophenol	13.8	16.6-150	S	%REC	1	3/17/2008
Surr: 2-Fluorobiphenyl	81.9	19.6-134		%REC	1	3/17/2008
Surr: 2-Fluorophenol	1.99	9.54-113	S	%REC	1	3/17/2008
Surr: 4-Terphenyl-d14	56.5	22.7-145		%REC	1	3/17/2008
Surr: Nitrobenzene-d5	81.6	14.6-134		%REC	1	3/17/2008
Surr: Phenol-d5	10.7	10.7-80.3		%REC	1	3/17/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0803087	**Collection Date:**	3/11/2008 8:00:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-14	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dichlorophenol	ND	50		µg/L	1	3/17/2008
2,4-Dimethylphenol	70	50		µg/L	1	3/17/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dinitrophenol	ND	100		µg/L	1	3/17/2008
2-Methylphenol	810	50		µg/L	1	3/17/2008
3+4-Methylphenol	1200	250		µg/L	5	3/17/2008
2-Nitrophenol	ND	50		µg/L	1	3/17/2008
4-Nitrophenol	ND	50		µg/L	1	3/17/2008
Pentachlorophenol	ND	100		µg/L	1	3/17/2008
Phenol	1400	250		µg/L	5	3/17/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/17/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/17/2008
Surr: 2,4,6-Tribromophenol	18.1	16.6-150		%REC	1	3/17/2008
Surr: 2-Fluorobiphenyl	68.2	19.6-134		%REC	1	3/17/2008
Surr: 2-Fluorophenol	6.37	9.54-113	S	%REC	1	3/17/2008
Surr: 4-Terphenyl-d14	48.5	22.7-145		%REC	1	3/17/2008
Surr: Nitrobenzene-d5	68.2	14.6-134		%REC	1	3/17/2008
Surr: Phenol-d5	26.1	10.7-80.3		%REC	1	3/17/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond One
Lab Order:	0803087	**Collection Date:**	3/11/2008 8:55:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-15	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	32	1.0		mg/L	1	3/12/2008 12:34:25 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	3/12/2008 12:34:25 PM
Surr: DNOP	109	58-140		%REC	1	3/12/2008 12:34:25 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.9	0.50		mg/L	10	3/17/2008 2:56:01 PM
Surr: BFB	118	79.2-121		%REC	10	3/17/2008 2:56:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	500	2.0		mg/L	20	3/14/2008 10:27:11 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloro-3-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dichlorophenol	ND	50		µg/L	1	3/17/2008
2,4-Dimethylphenol	100	50		µg/L	1	3/17/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	3/17/2008
2,4-Dinitrophenol	ND	100		µg/L	1	3/17/2008
2-Methylphenol	880	50		µg/L	1	3/17/2008
3+4-Methylphenol	1300	250		µg/L	5	3/17/2008
2-Nitrophenol	ND	50		µg/L	1	3/17/2008
4-Nitrophenol	ND	50		µg/L	1	3/17/2008
Pentachlorophenol	ND	100		µg/L	1	3/17/2008
Phenol	450	50		µg/L	1	3/17/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	3/17/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	3/17/2008
Surr: 2,4,6-Tribromophenol	19.6	16.6-150		%REC	1	3/17/2008
Surr: 2-Fluorobiphenyl	68.5	19.6-134		%REC	1	3/17/2008
Surr: 2-Fluorophenol	2.61	9.54-113	S	%REC	1	3/17/2008
Surr: 4-Terphenyl-d14	54.2	22.7-145		%REC	1	3/17/2008
Surr: Nitrobenzene-d5	70.3	14.6-134		%REC	1	3/17/2008
Surr: Phenol-d5	8.36	10.7-80.3	S	%REC	1	3/17/2008
EPA METHOD 8260B: VOLATILES						Analyst: **KME**
Benzene	190	5.0		µg/L	5	3/17/2008 4:26:54 PM
Toluene	440	5.0		µg/L	5	3/17/2008 4:26:54 PM
Ethylbenzene	79	5.0		µg/L	5	3/17/2008 4:26:54 PM
Methyl tert-butyl ether (MTBE)	5.8	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2,4-Trimethylbenzene	300	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,3,5-Trimethylbenzene	90	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Naphthalene	170	10		µg/L	5	3/17/2008 4:26:54 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond One
Lab Order:	0803087	**Collection Date:**	3/11/2008 8:55:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-15	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: KME
1-Methylnaphthalene	190	20		µg/L	5	3/17/2008 4:26:54 PM
2-Methylnaphthalene	290	20		µg/L	5	3/17/2008 4:26:54 PM
Acetone	1200	200		µg/L	20	3/18/2008 10:10:55 AM
Bromobenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Bromodichloromethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Bromoform	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Bromomethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
2-Butanone	170	50		µg/L	5	3/17/2008 4:26:54 PM
Carbon disulfide	ND	50		µg/L	5	3/17/2008 4:26:54 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Chlorobenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Chloroethane	ND	10		µg/L	5	3/17/2008 4:26:54 PM
Chloroform	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Chloromethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
2-Chlorotoluene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
4-Chlorotoluene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
cis-1,2-DCE	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	3/17/2008 4:26:54 PM
Dibromochloromethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Dibromomethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
2,2-Dichloropropane	ND	10		µg/L	5	3/17/2008 4:26:54 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
2-Hexanone	ND	50		µg/L	5	3/17/2008 4:26:54 PM
Isopropylbenzene	7.9	5.0		µg/L	5	3/17/2008 4:26:54 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	3/17/2008 4:26:54 PM
Methylene Chloride	ND	15		µg/L	5	3/17/2008 4:26:54 PM
n-Butylbenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
n-Propylbenzene	27	5.0		µg/L	5	3/17/2008 4:26:54 PM
sec-Butylbenzene	5.0	5.0		µg/L	5	3/17/2008 4:26:54 PM
Styrene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
tert-Butylbenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond One
Lab Order:	0803087	**Collection Date:**	3/11/2008 8:55:00 AM
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-15	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **KME**
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	3/17/2008 4:26:54 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
trans-1,2-DCE	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	3/17/2008 4:26:54 PM
Vinyl chloride	ND	5.0		µg/L	5	3/17/2008 4:26:54 PM
Xylenes, Total	480	7.5		µg/L	5	3/17/2008 4:26:54 PM
Surr: 1,2-Dichloroethane-d4	101	68.1-123		%REC	5	3/17/2008 4:26:54 PM
Surr: 4-Bromofluorobenzene	89.0	53.2-145		%REC	5	3/17/2008 4:26:54 PM
Surr: Dibromofluoromethane	114	68.5-119		%REC	5	3/17/2008 4:26:54 PM
Surr: Toluene-d8	101	64-131		%REC	5	3/17/2008 4:26:54 PM
SM4500-H+B: PH						Analyst: **BDH**
pH	3.81	0.1		pH units	1	3/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0803087	**Collection Date:**	
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-16	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	3/17/2008 3:26:30 PM
Surr: BFB	104	79.2-121		%REC	1	3/17/2008 3:26:30 PM
EPA METHOD 8260B: VOLATILES						Analyst: **KME**
Benzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Toluene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Ethylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Naphthalene	ND	2.0		µg/L	1	3/17/2008 4:55:37 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2008 4:55:37 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	3/17/2008 4:55:37 PM
Acetone	ND	10		µg/L	1	3/17/2008 4:55:37 PM
Bromobenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Bromodichloromethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Bromoform	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Bromomethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
2-Butanone	ND	10		µg/L	1	3/17/2008 4:55:37 PM
Carbon disulfide	ND	10		µg/L	1	3/17/2008 4:55:37 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Chlorobenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Chloroethane	ND	2.0		µg/L	1	3/17/2008 4:55:37 PM
Chloroform	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Chloromethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
2-Chlorotoluene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
4-Chlorotoluene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
cis-1,2-DCE	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	3/17/2008 4:55:37 PM
Dibromochloromethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Dibromomethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *31-Mar-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0803087	**Collection Date:**	
Project:	OCD Discharge Permit 1st Qtr 2008	**Date Received:**	3/11/2008
Lab ID:	0803087-16	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: KME
2,2-Dichloropropane	ND	2.0		µg/L	1	3/17/2008 4:55:37 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
2-Hexanone	ND	10		µg/L	1	3/17/2008 4:55:37 PM
Isopropylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	3/17/2008 4:55:37 PM
Methylene Chloride	ND	3.0		µg/L	1	3/17/2008 4:55:37 PM
n-Butylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
n-Propylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
sec-Butylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Styrene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
tert-Butylbenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	3/17/2008 4:55:37 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
trans-1,2-DCE	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	3/17/2008 4:55:37 PM
Vinyl chloride	ND	1.0		µg/L	1	3/17/2008 4:55:37 PM
Xylenes, Total	ND	1.5		µg/L	1	3/17/2008 4:55:37 PM
Surr: 1,2-Dichloroethane-d4	96.9	68.1-123		%REC	1	3/17/2008 4:55:37 PM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	1	3/17/2008 4:55:37 PM
Surr: Dibromofluoromethane	105	68.5-119		%REC	1	3/17/2008 4:55:37 PM
Surr: Toluene-d8	106	64-131		%REC	1	3/17/2008 4:55:37 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0803087
Order: 08030254 HAL03 Receipt: 03-11-08

William P. Biava: President of Assalgai Analytical Laboratories, Inc.

Sample: *0803087-01C POND 1* Collected: *03-11-08 9:10:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-001A		EPA 410.1 Chemical Oxygen Demand					By:	CET		
WCOD08008	WC.2008.701.10	C-004	Chemical Oxygen Demand	965	mg/L	1	10		03-24-08	03-24-08

Sample: *0803087-01D POND 1* Collected: *03-11-08 9:10:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-002A		EPA 405.1 Biochemical Oxygen Demand					By:	MJN		
BOD08027	WC.2008.650.12	10-26-4	Biochemical Oxygen Demand	556	mg/L	1	4		03-13-08	03-18-08

Sample: *0803087-01E POND 1* Collected: *03-11-08 9:10:00* By:
Matrix: *AQUEOUS* *SR1189*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-003A		SM-9223B					By:	FAS		
BT08095	BT.2008.168.34		E. coli, MMO/MUG	Absent	N/A	1	0		03-11-08	03-12-08
BT08095	BT.2008.168.34		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803087**
Order: **08030254** **HAL03** Receipt: **03-11-08**

Sample: ***0803087-02C POND 2*** Collected: *03-11-08 9:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-004A		**EPA 410.1 Chemical Oxygen Demand**						By: CET		
WCOD08008	WC.2008.701.11	C-004	Chemical Oxygen Demand	871	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-02D POND 2*** Collected: *03-11-08 9:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-005A		**EPA 405.1 Biochemical Oxygen Demand**						By: MJN		
BOD08027	WC.2008.650.13	10-26-4	Biochemical Oxygen Demand	371	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-02E POND 2*** Collected: *03-11-08 9:20:00* By:
Matrix: ***AQUEOUS*** *SR1190*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-006A		**SM-9223B**						By: FAS		
BT08095	BT.2008.168.35		E. coli, MMO/MUG	Absent	N/A	1	0		03-11-08	03-12-08
BT08095	BT.2008.168.35		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Sample: ***0803087-03C POND 3*** Collected: *03-11-08 9:50:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-007A		**EPA 410.1 Chemical Oxygen Demand**						By: CET		
WCOD08008	WC.2008.701.12	C-004	Chemical Oxygen Demand	871	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-03D POND 3*** Collected: *03-11-08 9:50:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-008A		**EPA 405.1 Biochemical Oxygen Demand**						By: MJN		
BOD08027	WC.2008.650.14	10-26-4	Biochemical Oxygen Demand	323	mg/L	1	4		03-13-08	03-18-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803087**
Order: **08030254** **HAL03** Receipt: **03-11-08**

Sample: ***0803087-03E POND 3*** Collected: *03-11-08 9:50:00* By:
Matrix: ***AQUEOUS*** *SR1191*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-009A		**SM-9223B**						By: FAS		
BT08095	BT.2008.168.36		E. coli, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08
BT08095	BT.2008.168.36		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Sample: ***0803087-04C POND 4*** Collected: *03-11-08 9:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-010A		**EPA 410.1 Chemical Oxygen Demand**						By: CET		
WCOD08006	WC.2008.613.10	C-004	Chemical Oxygen Demand	633	mg/L	1	10		03-17-08	03-19-08

Sample: ***0803087-04D POND 4*** Collected: *03-11-08 9:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-011A		**EPA 405.1 Biochemical Oxygen Demand**						By: MJN		
BOD08027	WC.2008.650.15	10-26-4	Biochemical Oxygen Demand	275	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-04E POND 4*** Collected: *03-11-08 9:35:00* By:
Matrix: ***AQUEOUS*** *SR1192*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-012A		**SM-9223B**						By: FAS		
BT08095	BT.2008.168.37		E. coli, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08
BT08095	BT.2008.168.37		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Sample: ***0803087-05C POND 5*** Collected: *03-11-08 10:05:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-013A		**EPA 410.1 Chemical Oxygen Demand**						By: CET		
WCOD08006	WC.2008.613.11	C-004	Chemical Oxygen Demand	506	mg/L	1	10		03-17-08	03-19-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803087**
Order: **08030254** **HAL03** Receipt: **03-11-08**

Sample: ***0803087-05D POND 5*** Collected: *03-11-08 10:05:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-014A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08027	WC.2008.650.16	10-26-4	Biochemical Oxygen Demand	178	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-05E POND 5*** Collected: *03-11-08 10:05:00* By:
Matrix: ***AQUEOUS*** *SR1193*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-015A		**SM-9223B**					By:	FAS		
BT08095	BT.2008.168.38		E. coli, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08
BT08095	BT.2008.168.38		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Sample: ***0803087-06C POND 6*** Collected: *03-11-08 10:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-016A		**EPA 410.1 Chemical Oxygen Demand**					By:	CET		
WCOD08008	WC.2008.701.13	C-004	Chemical Oxygen Demand	847	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-06D POND 6*** Collected: *03-11-08 10:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-017A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08027	WC.2008.650.17	10-26-4	Biochemical Oxygen Demand	126	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-06E POND 6*** Collected: *03-11-08 10:20:00* By:
Matrix: ***AQUEOUS*** *SR1194*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-018A		**SM-9223B**					By:	FAS		
BT08095	BT.2008.168.39		E. coli, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08
BT08095	BT.2008.168.39		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803087**
Order: **08030254** **HAL03** Receipt: **03-11-08**

Sample: ***0803087-07C POND 7*** Collected: *03-11-08 10:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-019A		**EPA 410.1 Chemical Oxygen Demand**					By:	CET		
WCOD08008	WC.2008.701.14	C-004	Chemical Oxygen Demand	2118	mg/L	10	10		03-24-08	03-24-08

Sample: ***0803087-07D POND 7*** Collected: *03-11-08 10:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-020A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08027	WC.2008.650.18	10-26-4	Biochemical Oxygen Demand	15.7	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-07E POND 7*** Collected: *03-11-08 10:40:00* By:
Matrix: ***AQUEOUS*** *SR1195*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-021A		**SM-9223B**					By:	FAS		
BT08095	BT.2008.168.40		E. coli, MMO/MUG	Absent	N/A	1	0		03-11-08	03-12-08
BT08095	BT.2008.168.40		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Sample: ***0803087-08C POND 8*** Collected: *03-11-08 11:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-022A		**EPA 410.1 Chemical Oxygen Demand**					By:	CET		
WCOD08006	WC.2008.613.15	C-004	Chemical Oxygen Demand	1770	mg/L	10	10		03-17-08	03-19-08

Sample: ***0803087-08D POND 8*** Collected: *03-11-08 11:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-023A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08027	WC.2008.650.19	10-26-4	Biochemical Oxygen Demand	17.4	mg/L	1	4		03-13-08	03-18-08

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803087**
Order: **08030254** **HAL03** Receipt: **03-11-08**

Sample: ***0803087-08E POND 8*** Collected: *03-11-08 11:00:00* By:
Matrix: ***AQUEOUS*** *SR1196*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-024A		**SM-9223B**					By:	FAS		
BT08096	BT.2008.168.41		E. coli, MMO/MUG	Absent	N/A	1	0		03-11-08	03-12-08
BT08096	BT.2008.168.41		Total Coliform, MMO/MUG	Present	N/A	1	0		03-11-08	03-12-08

Sample: ***0803087-10C PILOT EFFLUENT*** Collected: *03-11-08 8:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-025A		**EPA 410.1 Chemical Oxygen Demand**					By:	CET		
WCOD08008	WC.2008.701.15	C-004	Chemical Oxygen Demand	824	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-10D PILOT EFFLUENT*** Collected: *03-11-08 8:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-026A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08027	WC.2008.650.20	10-26-4	Biochemical Oxygen Demand	618	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-12B AL-1 INLET*** Collected: *03-11-08 7:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-027A		**EPA 410.1 Chemical Oxygen Demand**					By:	CET		
WCOD08008	WC.2008.701.16	C-004	Chemical Oxygen Demand	1110	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-12C AL-1 INLET*** Collected: *03-11-08 7:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-028A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08027	WC.2008.650.4	10-26-4	Biochemical Oxygen Demand	493	mg/L	1	4		03-13-08	03-18-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803087**
Order: **08030254** **HAL03** Receipt: **03-11-08**

Sample: ***0803087-13B AL-2 INLET*** Collected: *03-11-08 7:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-029A		EPA 410.1 Chemical Oxygen Demand					By:	CET		
WCOD08008	WC.2008.701.17	C-004	Chemical Oxygen Demand	894	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-13C AL-2 INLET*** Collected: *03-11-08 7:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-030A		EPA 405.1 Biochemical Oxygen Demand					By:	MJN		
BOD08027	WC.2008.650.21	10-26-4	Biochemical Oxygen Demand	423	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-14B EP-1 INLET*** Collected: *03-11-08 8:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-031A		EPA 410.1 Chemical Oxygen Demand					By:	CET		
WCOD08008	WC.2008.701.18	C-004	Chemical Oxygen Demand	988	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-14C EP-1 INLET*** Collected: *03-11-08 8:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-032A		EPA 405.1 Biochemical Oxygen Demand					By:	MJN		
BOD08027	WC.2008.650.22	10-26-4	Biochemical Oxygen Demand	501	mg/L	1	4		03-13-08	03-18-08

Sample: ***0803087-15D EVAP POND ONE*** Collected: *03-11-08 8:55:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-033A		EPA 410.1 Chemical Oxygen Demand					By:	CET		
WCOD08008	WC.2008.701.19	C-004	Chemical Oxygen Demand	965	mg/L	1	10		03-24-08	03-24-08

Sample: ***0803087-15E EVAP POND ONE*** Collected: *03-11-08 8:55:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030254-034A		EPA 405.1 Biochemical Oxygen Demand					By:	MJN		
BOD08027	WC.2008.650.23	10-26-4	Biochemical Oxygen Demand	510	mg/L	1	4		03-13-08	03-18-08

STANDARD

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**

Project: **0803087**

Order: **08030254** **HAL03** Receipt: **03-11-08**

Sample: ***0803087-15E EVAP POND ONE*** Collected: *03-11-08 8:55:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, is result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R27689**	Analysis Date:	3/12/2008 5:03:10 PM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R27693**	Analysis Date:	3/12/2008 9:24:12 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R27740**	Analysis Date:	3/14/2008 9:34:57 AM	
Chloride	ND	mg/L	0.10						
Sample ID: MB		*MBLK*			Batch ID:	**R27858**	Analysis Date:	3/25/2008 9:19:13 AM	
Fluoride	ND	mg/L	0.10						
hloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R27689**	Analysis Date:	3/12/2008 5:20:35 PM	
Fluoride	0.5105	mg/L	0.10	102	90	110			
Chloride	5.178	mg/L	0.10	104	90	110			
Nitrogen, Nitrite (As N)	1.003	mg/L	0.10	100	90	110			
Nitrogen, Nitrate (As N)	2.590	mg/L	0.10	104	90	110			
Phosphorus, Orthophosphate (As P)	5.233	mg/L	0.50	105	90	110			
Sulfate	10.49	mg/L	0.50	105	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R27693**	Analysis Date:	3/12/2008 9:41:36 AM	
Chloride	5.034	mg/L	0.10	101	90	110			
Nitrogen, Nitrite (As N)	1.021	mg/L	0.10	102	90	110			
Nitrogen, Nitrate (As N)	2.523	mg/L	0.10	101	90	110			
Phosphorus, Orthophosphate (As P)	5.137	mg/L	0.50	103	90	110			
Sulfate	10.06	mg/L	0.50	101	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R27740**	Analysis Date:	3/14/2008 9:52:22 AM	
Chloride	4.995	mg/L	0.10	99.9	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R27848**	Analysis Date:	3/24/2008 10:33:26 AM	
Chloride	5.315	mg/L	0.10	106	90	110			
Nitrogen, Nitrite (As N)	0.9899	mg/L	0.10	99.0	90	110			
Nitrogen, Nitrate (As N)	2.686	mg/L	0.10	107	90	110			
Sulfate	10.80	mg/L	0.50	108	90	110			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: LCS-b		*LCS*			Batch ID:	**R27848**	Analysis Date:	3/24/2008 2:19:45 PM	
Fluoride	0.5332	mg/L	0.10	107	90	110			
Phosphorus, Orthophosphate (As P)	5.250	mg/L	0.50	105	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R27858**	Analysis Date:	3/25/2008 9:36:37 AM	
Fluoride	0.5130	mg/L	0.10	103	90	110			
Chloride	5.106	mg/L	0.10	102	90	110			
Nitrogen, Nitrite (As N)	0.9547	mg/L	0.10	95.5	90	110			
Nitrogen, Nitrate (As N)	2.556	mg/L	0.10	102	90	110			
Phosphorus, Orthophosphate (As P)	5.161	mg/L	0.50	103	90	110			
Sulfate	10.29	mg/L	0.50	103	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-15344		*MBLK*			Batch ID:	**15344**	Analysis Date:	3/12/2008 7:55:47 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-15344		*LCS*			Batch ID:	**15344**	Analysis Date:	3/12/2008 8:30:48 AM	
Diesel Range Organics (DRO)	4.930	mg/L	1.0	98.6	74	157			
Sample ID: LCSD-15344		*LCSD*			Batch ID:	**15344**	Analysis Date:	3/12/2008 9:05:44 AM	
sel Range Organics (DRO)	5.189	mg/L	1.0	104	74	157	5.12	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0803087-10A MSD		*MSD*			Batch ID:	**R27734**	Analysis Date:	3/17/2008 1:54:35 PM	
Gasoline Range Organics (GRO)	0.5360	mg/L	0.050	107	80	115	1.88	8.39	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R27734**	Analysis Date:	3/17/2008 8:38:05 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R27734**	Analysis Date:	3/17/2008 3:57:17 PM	
Gasoline Range Organics (GRO)	0.4760	mg/L	0.050	95.2	80	115			
Sample ID: 0803087-10A MS		*MS*			Batch ID:	**R27734**	Analysis Date:	3/17/2008 1:24:02 PM	
Gasoline Range Organics (GRO)	0.5260	mg/L	0.050	105	80	115			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Method: **EPA Method 8270C: Semivolatiles**
Sample ID: **mb-15376** *MBLK* Batch ID: **15376** Analysis Date: 3/17/2008

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
tyl benzyl phthalate	ND	µg/L	10						
rbazole	ND	µg/L	10						
4-Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	10						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	10						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
'exachlorobenzene	ND	µg/L	10						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-15376		*MBLK*			Batch ID:	**15376**	Analysis Date:		3/17/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
-Nitrophenol	ND	µg/L	10						
entachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-15376		*LCS*			Batch ID:	**15376**	Analysis Date:		3/17/2008
Acenaphthene	58.40	µg/L	10	58.4	11	123			
4-Chloro-3-methylphenol	125.1	µg/L	10	62.6	15.4	119			
2-Chlorophenol	108.7	µg/L	10	54.3	12.2	122			
1,4-Dichlorobenzene	50.28	µg/L	10	50.3	16.9	100			
2,4-Dinitrotoluene	63.36	µg/L	10	63.4	13	138			
N-Nitrosodi-n-propylamine	62.58	µg/L	10	62.6	9.93	122			
4-Nitrophenol	57.14	µg/L	10	28.6	12.5	87.4			
Pentachlorophenol	83.84	µg/L	20	41.9	3.55	114			
Phenol	65.40	µg/L	10	32.7	7.53	73.1			
Pyrene	52.42	µg/L	10	52.4	12.6	140			
1,2,4-Trichlorobenzene	54.58	µg/L	10	54.6	17.4	98.7			
Sample ID: lcsd-15376		*LCSD*			Batch ID:	**15376**	Analysis Date:		3/17/2008
Acenaphthene	61.48	µg/L	10	61.5	11	123	5.14	30.5	
4-Chloro-3-methylphenol	136.4	µg/L	10	68.2	15.4	119	8.66	28.6	
2-Chlorophenol	114.8	µg/L	10	57.4	12.2	122	5.48	107	
1,4-Dichlorobenzene	55.56	µg/L	10	55.6	16.9	100	9.98	62.1	
4-Dinitrotoluene	65.70	µg/L	10	65.7	13	138	3.63	14.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-15376		*LCSD*			Batch ID:	**15376**	Analysis Date:		3/17/2008
N-Nitrosodi-n-propylamine	68.10	µg/L	10	68.1	9.93	122	8.45	30.3	
4-Nitrophenol	51.70	µg/L	10	25.9	12.5	87.4	10.0	36.3	
Pentachlorophenol	82.60	µg/L	20	41.3	3.55	114	1.49	49	
Phenol	68.52	µg/L	10	34.3	7.53	73.1	4.66	52.4	
Pyrene	56.36	µg/L	10	56.4	12.6	140	7.24	16.3	
1,2,4-Trichlorobenzene	62.18	µg/L	10	62.2	17.4	98.7	13.0	36.4	
Method: EPA Method 7470: Mercury									
Sample ID: MB-15373		*MBLK*			Batch ID:	**15373**	Analysis Date:		3/14/2008 4:06:23 PM
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-15373		*LCS*			Batch ID:	**15373**	Analysis Date:		3/14/2008 4:08:07 PM
Mercury	0.004789	mg/L	0.00020	94.2	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008

Work Order: 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: 0803087-01B MSD		*MSD*			Batch ID:	**15352**	Analysis Date:	3/19/2008 1:20:41 PM	
Arsenic	0.5204	mg/L	0.020	104	75	125	0.922	20	
Barium	0.4988	mg/L	0.010	93.9	75	125	1.40	20	
Cadmium	0.4878	mg/L	0.0020	97.6	75	125	2.13	20	
Calcium	64.12	mg/L	0.50	92.3	75	125	0.229	20	
Chromium	0.5268	mg/L	0.0060	93.1	75	125	2.16	20	
Copper	0.5164	mg/L	0.0060	103	75	125	1.26	20	
Lead	0.4619	mg/L	0.0050	92.4	75	125	2.82	20	
Magnesium	63.78	mg/L	0.50	93.6	75	125	0.0389	20	
Potassium	84.60	mg/L	1.0	97.5	75	125	0.403	20	
Selenium	0.4284	mg/L	0.050	85.7	75	125	3.43	20	
Sample ID: 0803087-01B MSD		*MSD*			Batch ID:	**15352**	Analysis Date:	3/19/2008 2:59:04 PM	
Uranium	1.424	mg/L	0.50	285	75	125	2.50	20	S
Zinc	2.342	mg/L	0.10	121	75	125	1.94	20	
Sample ID: 0803087-01B MSD		*MSD*			Batch ID:	**15352**	Analysis Date:	3/21/2008 4:42:42 PM	
Manganese	1.244	mg/L	0.010	88.7	75	125	0.455	20	
Sample ID: MB-15352		*MBLK*			Batch ID:	**15352**	Analysis Date:	3/19/2008 12:07:35 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Uranium	ND	mg/L	0.10						
Zinc	ND	mg/L	0.020						
Sample ID: MB-15352		*MBLK*			Batch ID:	**15352**	Analysis Date:	3/21/2008 2:13:11 PM	
Iron	ND	mg/L	0.050						
Manganese	ND	mg/L	0.0020						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-15352		*LCS*			Batch ID:	**15352**	Analysis Date:	3/19/2008 12:10:37 PM	
Arsenic	0.4944	mg/L	0.020	98.9	80	120			
Barium	0.4827	mg/L	0.010	96.5	80	120			
Cadmium	0.4903	mg/L	0.0020	98.1	80	120			
Calcium	49.45	mg/L	0.50	98.9	80	120			
Chromium	0.4942	mg/L	0.0060	98.8	80	120			
Copper	0.5042	mg/L	0.0060	101	80	120			
Iron	0.4882	mg/L	0.050	97.6	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: LCS-15352		*LCS*			Batch ID:	**15352**	Analysis Date:	3/19/2008 12:10:37 PM	
Lead	0.4801	mg/L	0.0050	96.0	80	120			
Magnesium	50.60	mg/L	0.50	101	80	120			
Potassium	53.06	mg/L	1.0	106	80	120			
Selenium	0.4626	mg/L	0.050	92.5	80	120			
Silver	0.4975	mg/L	0.0050	99.5	80	120			
Uranium	0.4653	mg/L	0.10	93.1	80	120			
Zinc	0.4727	mg/L	0.020	94.5	80	120			
Sample ID: LCS-15352		*LCS*			Batch ID:	**15352**	Analysis Date:	3/21/2008 2:16:05 PM	
Iron	0.4760	mg/L	0.050	95.2	80	120			
Manganese	0.4628	mg/L	0.0020	92.6	80	120			
Sodium	49.41	mg/L	0.50	98.8	80	120			
Sample ID: 0803087-01B MS		*MS*			Batch ID:	**15352**	Analysis Date:	3/19/2008 1:17:01 PM	
Arsenic	0.5156	mg/L	0.020	103	75	125			
Barium	0.5059	mg/L	0.010	95.3	75	125			
Cadmium	0.4983	mg/L	0.0020	99.7	75	125			
Calcium	63.97	mg/L	0.50	92.0	75	125			
Chromium	0.5383	mg/L	0.0060	95.4	75	125			
Copper	0.5230	mg/L	0.0060	105	75	125			
Lead	0.4751	mg/L	0.0050	95.0	75	125			
Magnesium	63.75	mg/L	0.50	93.5	75	125			
Potassium	84.26	mg/L	1.0	96.8	75	125			
Selenium	0.4433	mg/L	0.050	88.7	75	125			
Sample ID: 0803087-01B MS		*MS*			Batch ID:	**15352**	Analysis Date:	3/19/2008 2:56:08 PM	
Uranium	1.389	mg/L	0.50	278	75	125			S
Zinc	2.297	mg/L	0.10	112	75	125			
Sample ID: 0803087-01B MS		*MS*			Batch ID:	**15352**	Analysis Date:	3/21/2008 4:40:13 PM	
Manganese	1.250	mg/L	0.010	89.8	75	125			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5mL rb		*MBLK*			Batch ID:	R27760	Analysis Date:	3/13/2008 10:01:00 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008 **Work Order:** 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5mL rb		*MBLK*			Batch ID:	**R27760**	Analysis Date:	3/13/2008 10:01:00 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R27763**	Analysis Date:	3/17/2008 9:28:53 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008

Work Order: 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R27763**		Analysis Date:	3/17/2008 9:28:53 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs b		*LCS*			Batch ID: **R27760**		Analysis Date:	3/13/2008 12:30:23 PM	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: OCD Discharge Permit 1st Qtr 2008

Work Order: 0803087

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs b		*LCS*			Batch ID:	**R27760**	Analysis Date:	3/13/2008 12:30:23 PM	
Benzene	21.90	µg/L	1.0	109	72.4	126			
Toluene	20.65	µg/L	1.0	103	79.2	115			
Chlorobenzene	20.80	µg/L	1.0	104	83.1	111			
1,1-Dichloroethene	23.38	µg/L	1.0	117	81.4	122			
Trichloroethene (TCE)	20.87	µg/L	1.0	104	64.4	118			
Sample ID: 100ng LCS		*LCS*			Batch ID:	**R27763**	Analysis Date:	3/17/2008 11:53:43 AM	
Benzene	22.22	µg/L	1.0	111	72.4	126			
Toluene	20.26	µg/L	1.0	101	79.2	115			
Chlorobenzene	20.90	µg/L	1.0	105	83.1	111			
1,1-Dichloroethene	22.44	µg/L	1.0	112	81.4	122			
Trichloroethene (TCE)	20.31	µg/L	1.0	102	64.4	118			
Sample ID: 100ng lcsd		*LCSD*			Batch ID:	**R27760**	Analysis Date:	3/13/2008 11:58:09 PM	
Benzene	22.50	µg/L	1.0	113	72.4	126	2.72	11	
Toluene	19.22	µg/L	1.0	96.1	79.2	115	7.19	12.2	
Chlorobenzene	20.06	µg/L	1.0	100	83.1	111	3.63	12	
1,1-Dichloroethene	22.23	µg/L	1.0	111	81.4	122	5.08	19.3	
Trichloroethene (TCE)	20.18	µg/L	1.0	101	64.4	118	3.33	15.5	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

.-lall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 3/11/2008

Work Order Number 0803087

Received by: AT

Checklist completed by: Signature 3/11/08 Date

Sample ID labels checked by AS Initials

Matrix

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
.ll samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding _____

Comments: _____

Corrective Action _____

Ch[illegible]n-of-Custody Record

Client: Western Refining Company - Gallup
Address: Route 3 Box 7 Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: OCD Discharge Permit 1st Qtr. 2008 pg 8
Project #:
Project Manager: Jim Lieb jim.lieb@wnr.com cheryl.johnson@wnr.com
Sampler: C. Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD - COD	Gen Chem	E. coli bacteria	Metals Total	Air Bubbles (Y or N)
3/11/08	0910	Pond 1			0803087										X		X	X	X	X	
"	0920	Pond 2			-1										X		X	X	X	X	
"	0950	Pond 3			-2										X		X	X	X	X	
"	0935	Pond 4			-3										X		X	X	X	X	
"	1005	Pond 5			-4										X		X	X	X	X	
"	1020	Pond 6			-5										X		X	X	X	X	
"	1040	Pond 7			-6										X		X	X	X	X	
"	1100	Pond 8			-7										X		X	X	X	X	
					-8										X		X	X	X	X	

Date:	Time:	Relinquished by:	Received by:
3/11/08	1145	[signature]	[signature]
3/11/08	2:00p	[signature]	[signature] 3/11/08 1400

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Western Refining Company - Gallup
Address: Route 3 Box 7
Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: OCD Discharge Permit 1st Qtr. 2008 pg 2 of 3/11/08
Project #:
Project Manager: Jim Lieb; jim.lieb@wnr.com
cheryl.johnson@wnr.com
Sampler: C Johnson
On Ice: X Yes ☐ No
Sample Temperature: 6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0803087	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	~~EDC (Method 8260)~~ pH	8310 (PNA or PAH)	Anions (F, Cl, NO3, NO2, PO4, SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Metals Water Total	BOD - COD	Gen Chem	Phenols by 8270	Air Bubbles (Y or N)
3/10/08	1400	AL-2 to EP-1			-9			X							X		X				
3/11/08	0830	Pilot Effluent			-10			X							X		X	X			
3/10/08	1430	NAPIS Effluent			-11			X							X	X	X		X		
3/11/08	0730	AL-1 Inlet																			
"	0745	AL-2 Inlet			-12													X		X	
"	0800	EP-1 Inlet			-13													X		X	
					-14													X		X	
3-11-08	0855	Evap Pond One			-15			X			X		X		X			X		X	
		Trip Blank			-16			X							X						

Date:	Time:	Relinquished by:	Received by:
3/11/08	1145	[signature]	Bryan Hallbrook
3/11/08	2:00p	Bryan Hallbrook	[signature] 3/11/08 1400

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, March 27, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0803199

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/20/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result Is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0803199
Order: 08030489 HAL03 Receipt: 03-20-08

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0803199-01A INLET TO EP2* Collected: *03-20-08 10:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030489-001A		EPA 410.1 Chemical Oxygen Demand						By: CET		
WCOD08009	WC.2008.699.14	C-004	Chemical Oxygen Demand	829	mg/L	1	10		03-25-08	03-25-08

Sample: *0803199-01B INLET TO EP2* Collected: *03-20-08 10:00:00* By:
Matrix: *AQUEOUS* *SR1518*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030489-002A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08033	WC.2008.710.9	10-26-4	Biochemical Oxygen Demand	344	mg/L	1	4		03-21-08	03-26-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 3/27/2008 3:59:16 PM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 3/20/2008

Work Order Number 0803199

Received by: AMF

Checklist completed by: Signature 3/20/08 Date

Sample ID labels checked by: _____ Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	7°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

Client: WESTERN - Gallup

Address:

Phone #:

Fax #:

Project Name: INLET TO EP2

Project #:

Project Manager: Jim LIEB

Sampler: ALVIN Dorsey

Sample Temperature: 7°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative: $HgCl_2$	Preservative: HNO_3	Preservative:	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COO	BOO			Air Bubbles or Headspace (Y or N)
3/20/08	10:00	H_2O	INLET TO EP2	1/500 mL			H_2SO_4	0803199-1													X				
3/20/08	10:00	H_2O	INLET TO EP2	1/1000 mL			N/A	-1														X			

Date	Time	Relinquished By: (Signature)	Received By: (Signature)
3-20-08	10:50AM	Alvin [signature]	Bryan Hollbrook
3-20-08	2:05p	Bryan Hollbrook	[signature] 3/20/08 2:05

Remarks: Pls. copy B. Holbrook

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Thursday, April 03, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Inlet to EP2

Order No.: 0803260

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 3/26/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result Is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0803260**
Order: **08030605 HAL03** Receipt: **03-26-08**

William P. Biava: President of Assalgal Analytical Laboratories, Inc.

Sample: ***0803260-01A INLET TO EP2*** Collected: *03-26-08 9:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030605-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	CET		
WCOD08010	WC.2008.752.19	C-004	Chemical Oxygen Demand	1430	mg/L	1	10		03-28-08	03-31-08

Sample: ***0803260-01B INLET TO EP2*** Collected: *03-26-08 9:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08030605-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08034	WC.2008.764.4	10-26-4	Biochemical Oxygen Demand	649	mg/L	1	4		03-27-08	04-01-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 4/3/2008 12:55:55 PM

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 3/26/2008

Work Order Number 0803260

Received by: AMF

Sample ID labels checked by: AJ
Initials

Checklist completed by: _____ 3/26/08
Signature Date

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

CHAIN-OF-CUSTODY RECORD

QA / QC Package:
Std ☐ Level 4 ☐
Other:

Client: WESTERN - Gallup

Address:

Phone #:

Fax #:

Project Name: INLET TO EP2

Project #:

Project Manager: JIM LIEB

Sampler: ALVIN Dorsey

Sample Temperature: 6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
4901 Hawkins NE, Suite D
Albuquerque, New Mexico 87109
Tel. 505.345.3975 Fax 505.345.4107
www.hallenvironmental.com

ANALYSIS REQUEST

Date	Time	Matrix	Sample I.D. No.	Number/Volume	Preservative $HgCl_2$	Preservative HNO_3	Preservative	HEAL No. 0803260	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, Cl, NO_3, NO_2, PO_4, SO_4)	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)	COD	BOD			Air Bubbles or Headspace (Y or N)
3/26/08	9:20A	Aq	INLET TO EP2	1/500 mL			H_2SO_4	1													X				
3/26/08	9:20A		INLET TO EP2	1/1000 mL			N/A	1														X			

Date: 3-26-08 Time: 13:59 10:15A Relinquished By: (Signature) Received By: (Signature) 3/26/08 1350

Date: Time: Relinquished By: (Signature) Received By: (Signature)

Remarks:

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Wednesday, April 23, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: NAPIS Monitoring Wells

Order No.: 0804133

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 4/11/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *23-Apr-08*

CLIENT: Western Refining Southwest, Gallup
Project: NAPIS Monitoring Wells
Lab Order: 0804133

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 0804133-01A: Elevated surrogate due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Apr-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA2R
Lab Order:	0804133	**Collection Date:**	4/11/2008 11:30:00 AM
Project:	NAPIS Monitoring Wells	**Date Received:**	4/11/2008
Lab ID:	0804133-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	1.5	1.0		mg/L	1	4/19/2008 1:56:07 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/19/2008 1:56:07 AM
Surr: DNOP	105	58-140		%REC	1	4/19/2008 1:56:07 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2.2	0.050		mg/L	1	4/16/2008 12:33:16 PM
Surr: BFB	142	79.2-121	S	%REC	1	4/16/2008 12:33:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	320	50		µg/L	20	4/16/2008 1:13:06 AM
Benzene	91	1.0		µg/L	1	4/16/2008 12:33:16 PM
Toluene	19	1.0		µg/L	1	4/16/2008 12:33:16 PM
Ethylbenzene	51	1.0		µg/L	1	4/16/2008 12:33:16 PM
Xylenes, Total	120	2.0		µg/L	1	4/16/2008 12:33:16 PM
1,2,4-Trimethylbenzene	98	1.0		µg/L	1	4/16/2008 12:33:16 PM
1,3,5-Trimethylbenzene	27	1.0		µg/L	1	4/16/2008 12:33:16 PM
Surr: 4-Bromofluorobenzene	93.2	68.9-122		%REC	1	4/16/2008 12:33:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.92	0.10		mg/L	1	4/12/2008 12:26:13 AM
Chloride	360	1.0		mg/L	10	4/12/2008 12:43:38 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	4/12/2008 12:43:38 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	4/12/2008 12:26:13 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	4/12/2008 12:26:13 AM
Sulfate	42	0.50		mg/L	1	4/12/2008 12:26:13 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Calcium	110	2.5		mg/L	5	4/15/2008 11:07:48 AM
Magnesium	19	0.50		mg/L	1	4/14/2008 6:34:00 PM
Potassium	1.3	1.0		mg/L	1	4/14/2008 6:34:00 PM
Sodium	380	2.5		mg/L	5	4/15/2008 11:07:48 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **TAF**
Specific Conductance	2100	0.010		µmhos/cm	1	4/14/2008
SM4500-H+B: PH						Analyst: **TAF**
pH	7.00	0.1		pH units	1	4/16/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Apr-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA1R
Lab Order:	0804133	**Collection Date:**	4/11/2008 11:45:00 AM
Project:	NAPIS Monitoring Wells	**Date Received:**	4/11/2008
Lab ID:	0804133-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/19/2008 2:29:38 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/19/2008 2:29:38 AM
Surr: DNOP	104	58-140		%REC	1	4/19/2008 2:29:38 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/16/2008 1:35:54 PM
Surr: BFB	109	79.2-121		%REC	1	4/16/2008 1:35:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	4/16/2008 1:35:54 PM
Benzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Toluene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Ethylbenzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Xylenes, Total	ND	2.0		µg/L	1	4/16/2008 1:35:54 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Surr: 4-Bromofluorobenzene	92.5	68.9-122		%REC	1	4/16/2008 1:35:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.79	0.10		mg/L	1	4/12/2008 1:01:02 AM
Chloride	170	1.0		mg/L	10	4/12/2008 1:18:27 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	4/12/2008 1:01:02 AM
Nitrogen, Nitrate (As N)	0.55	0.10		mg/L	1	4/12/2008 1:01:02 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	4/12/2008 1:01:02 AM
Sulfate	80	5.0		mg/L	10	4/12/2008 1:18:27 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Calcium	72	0.50		mg/L	1	4/14/2008 6:38:11 PM
Magnesium	13	0.50		mg/L	1	4/14/2008 6:38:11 PM
Potassium	1.5	1.0		mg/L	1	4/14/2008 6:38:11 PM
Sodium	370	2.5		mg/L	5	4/15/2008 11:10:32 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **TAF**
Specific Conductance	2000	0.010		µmhos/cm	1	4/14/2008
SM4500-H+B: PH						Analyst: **TAF**
pH	7.26	0.1		pH units	1	4/16/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: NAPIS Monitoring Wells

Work Order: 0804133

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R28076**	Analysis Date:	4/11/2008 9:21:04 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R28076**	Analysis Date:	4/11/2008 9:38:28 AM	
Fluoride	0.4528	mg/L	0.10	90.6	90	110			
Chloride	4.822	mg/L	0.10	96.4	90	110			
Nitrogen, Nitrite (As N)	0.9383	mg/L	0.10	93.8	90	110			
Nitrogen, Nitrate (As N)	2.473	mg/L	0.10	98.9	90	110			
Phosphorus, Orthophosphate (As P)	4.881	mg/L	0.50	97.6	90	110			
Sulfate	9.789	mg/L	0.50	97.9	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-15671		*MBLK*			Batch ID:	**15671**	Analysis Date:	4/17/2008 10:07:09 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
ample ID: LCS-15671		*LCS*			Batch ID:	**15671**	Analysis Date:	4/17/2008 10:41:35 AM	
Diesel Range Organics (DRO)	6.379	mg/L	1.0	128	74	157			
Sample ID: LCSD-15671		*LCSD*			Batch ID:	**15671**	Analysis Date:	4/17/2008 11:11:51 AM	
Diesel Range Organics (DRO)	6.888	mg/L	1.0	138	74	157	7.67	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R28104**	Analysis Date:	4/15/2008 9:04:21 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R28104**	Analysis Date:	4/16/2008 12:10:23 AM	
Gasoline Range Organics (GRO)	0.4920	mg/L	0.050	98.4	80	115			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: NAPIS Monitoring Wells
Work Order: 0804133

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R28104**	Analysis Date:	4/15/2008 9:04:21 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R28104**	Analysis Date:	4/16/2008 6:19:24 AM	
Methyl tert-butyl ether (MTBE)	21.37	µg/L	2.5	107	51.2	138			
Benzene	19.83	µg/L	1.0	99.2	85.9	113			
Toluene	20.35	µg/L	1.0	102	86.4	113			
Ethylbenzene	20.24	µg/L	1.0	101	83.5	118			
Xylenes, Total	61.45	µg/L	2.0	102	83.4	122			
1,2,4-Trimethylbenzene	20.89	µg/L	1.0	104	83.5	115			
1,3,5-Trimethylbenzene	21.02	µg/L	1.0	105	85.2	113			
Sample ID: 100NG BTEX LCSD		*LCSD*			Batch ID:	**R28104**	Analysis Date:	4/16/2008 6:49:33 AM	
Methyl tert-butyl ether (MTBE)	21.81	µg/L	2.5	109	51.2	138	2.03	28	
Benzene	19.92	µg/L	1.0	99.6	85.9	113	0.433	27	
Toluene	20.24	µg/L	1.0	101	86.4	113	0.512	19	
Ethylbenzene	20.14	µg/L	1.0	101	83.5	118	0.466	10	
Xylenes, Total	60.97	µg/L	2.0	102	83.4	122	0.787	13	
1,2,4-Trimethylbenzene	20.88	µg/L	1.0	104	83.5	115	0.0192	21	
1,3,5-Trimethylbenzene	21.02	µg/L	1.0	105	85.2	113	0	10	
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-15636		*MBLK*			Batch ID:	**15636**	Analysis Date:	4/14/2008 4:40:19 PM	
Calcium	ND	mg/L	0.50						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-15636		*LCS*			Batch ID:	**15636**	Analysis Date:	4/14/2008 4:43:23 PM	
Calcium	49.97	mg/L	0.50	99.9	80	120			
Magnesium	50.35	mg/L	0.50	101	80	120			
Potassium	53.20	mg/L	1.0	106	80	120			
Sodium	53.46	mg/L	0.50	107	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 4/11/2008

Work Order Number 0804133

Received by: AT

Checklist completed by: Signature 4/11/08 Date

Sample ID labels checked by: Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refinery Gallup Refinery
Address: Rt 3 Box 7 Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: NAPIS Monitoring Wells.
Project #:
Project Manager: jim.Lieb@wnr.com Jim Lieb cheryl.johnson@wnr
Sampler: Cheryl Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 2.4 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem				Air Bubbles (Y or N)
4-11-08	1130	KA2R		~~HCl~~	0804133-1	X		X									X				
4-11-08	1145	KA1R			-2	X		X									X				

Date	Time	Relinquished by:	Received by:
4-11-08	1235		
4/11/08	4:50		4/11/08 1450

Remarks: Gen Chem - ec, pH, cations, Anions

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

KA 1R, 2R

COVER LETTER

Wednesday, April 23, 2008

Jim Lieb
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: NAPIS Monitoring Wells

Order No.: 0804133

Dear Jim Lieb:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 4/11/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *23-Apr-08*

CLIENT: Western Refining Southwest, Gallup
Project: NAPIS Monitoring Wells
Lab Order: 0804133

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 0804133-01A: Elevated surrogate due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Apr-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA2R
Lab Order:	0804133	**Collection Date:**	4/11/2008 11:30:00 AM
Project:	NAPIS Monitoring Wells	**Date Received:**	4/11/2008
Lab ID:	0804133-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	1.5	1.0		mg/L	1	4/19/2008 1:56:07 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/19/2008 1:56:07 AM
Surr: DNOP	105	58-140		%REC	1	4/19/2008 1:56:07 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2.2	0.050		mg/L	1	4/16/2008 12:33:16 PM
Surr: BFB	142	79.2-121	S	%REC	1	4/16/2008 12:33:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	320	50		µg/L	20	4/16/2008 1:13:06 AM
Benzene	91	1.0		µg/L	1	4/16/2008 12:33:16 PM
Toluene	19	1.0		µg/L	1	4/16/2008 12:33:16 PM
Ethylbenzene	51	1.0		µg/L	1	4/16/2008 12:33:16 PM
Xylenes, Total	120	2.0		µg/L	1	4/16/2008 12:33:16 PM
1,2,4-Trimethylbenzene	98	1.0		µg/L	1	4/16/2008 12:33:16 PM
1,3,5-Trimethylbenzene	27	1.0		µg/L	1	4/16/2008 12:33:16 PM
Surr: 4-Bromofluorobenzene	93.2	68.9-122		%REC	1	4/16/2008 12:33:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.92	0.10		mg/L	1	4/12/2008 12:26:13 AM
Chloride	360	1.0		mg/L	10	4/12/2008 12:43:38 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	4/12/2008 12:43:38 AM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	4/12/2008 12:26:13 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	4/12/2008 12:26:13 AM
Sulfate	42	0.50		mg/L	1	4/12/2008 12:26:13 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Calcium	110	2.5		mg/L	5	4/15/2008 11:07:48 AM
Magnesium	19	0.50		mg/L	1	4/14/2008 6:34:00 PM
Potassium	1.3	1.0		mg/L	1	4/14/2008 6:34:00 PM
Sodium	380	2.5		mg/L	5	4/15/2008 11:07:48 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **TAF**
Specific Conductance	2100	0.010		µmhos/cm	1	4/14/2008
SM4500-H+B: PH						Analyst: **TAF**
pH	7.00	0.1		pH units	1	4/16/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *23-Apr-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA1R
Lab Order:	0804133	**Collection Date:**	4/11/2008 11:45:00 AM
Project:	NAPIS Monitoring Wells	**Date Received:**	4/11/2008
Lab ID:	0804133-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	4/19/2008 2:29:38 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	4/19/2008 2:29:38 AM
Surr: DNOP	104	58-140		%REC	1	4/19/2008 2:29:38 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	4/16/2008 1:35:54 PM
Surr: BFB	109	79.2-121		%REC	1	4/16/2008 1:35:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	4/16/2008 1:35:54 PM
Benzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Toluene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Ethylbenzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Xylenes, Total	ND	2.0		µg/L	1	4/16/2008 1:35:54 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	4/16/2008 1:35:54 PM
Surr: 4-Bromofluorobenzene	92.5	68.9-122		%REC	1	4/16/2008 1:35:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.79	0.10		mg/L	1	4/12/2008 1:01:02 AM
Chloride	170	1.0		mg/L	10	4/12/2008 1:18:27 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	4/12/2008 1:01:02 AM
Nitrogen, Nitrate (As N)	0.55	0.10		mg/L	1	4/12/2008 1:01:02 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	4/12/2008 1:01:02 AM
Sulfate	80	5.0		mg/L	10	4/12/2008 1:18:27 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Calcium	72	0.50		mg/L	1	4/14/2008 6:38:11 PM
Magnesium	13	0.50		mg/L	1	4/14/2008 6:38:11 PM
Potassium	1.5	1.0		mg/L	1	4/14/2008 6:38:11 PM
Sodium	370	2.5		mg/L	5	4/15/2008 11:10:32 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **TAF**
Specific Conductance	2000	0.010		µmhos/cm	1	4/14/2008
SM4500-H+B: PH						Analyst: **TAF**
pH	7.26	0.1		pH units	1	4/16/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: NAPIS Monitoring Wells **Work Order:** 0804133

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R28076**	Analysis Date:	4/11/2008 9:21:04 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R28076**	Analysis Date:	4/11/2008 9:38:28 AM	
Fluoride	0.4528	mg/L	0.10	90.6	90	110			
Chloride	4.822	mg/L	0.10	96.4	90	110			
Nitrogen, Nitrite (As N)	0.9383	mg/L	0.10	93.8	90	110			
Nitrogen, Nitrate (As N)	2.473	mg/L	0.10	98.9	90	110			
Phosphorus, Orthophosphate (As P)	4.881	mg/L	0.50	97.6	90	110			
Sulfate	9.789	mg/L	0.50	97.9	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-15671		*MBLK*			Batch ID:	**15671**	Analysis Date:	4/17/2008 10:07:09 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-15671		*LCS*			Batch ID:	**15671**	Analysis Date:	4/17/2008 10:41:35 AM	
Diesel Range Organics (DRO)	6.379	mg/L	1.0	128	74	157			
Sample ID: LCSD-15671		*LCSD*			Batch ID:	**15671**	Analysis Date:	4/17/2008 11:11:51 AM	
Diesel Range Organics (DRO)	6.888	mg/L	1.0	138	74	157	7.67	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R28104**	Analysis Date:	4/15/2008 9:04:21 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R28104**	Analysis Date:	4/16/2008 12:10:23 AM	
Gasoline Range Organics (GRO)	0.4920	mg/L	0.050	98.4	80	115			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: NAPIS Monitoring Wells

Work Order: 0804133

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R28104**	Analysis Date:	4/15/2008 9:04:21 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R28104**	Analysis Date:	4/16/2008 6:19:24 AM	
Methyl tert-butyl ether (MTBE)	21.37	µg/L	2.5	107	51.2	138			
Benzene	19.83	µg/L	1.0	99.2	85.9	113			
Toluene	20.35	µg/L	1.0	102	86.4	113			
Ethylbenzene	20.24	µg/L	1.0	101	83.5	118			
Xylenes, Total	61.45	µg/L	2.0	102	83.4	122			
1,2,4-Trimethylbenzene	20.89	µg/L	1.0	104	83.5	115			
1,3,5-Trimethylbenzene	21.02	µg/L	1.0	105	85.2	113			
Sample ID: 100NG BTEX LCSD		*LCSD*			Batch ID:	**R28104**	Analysis Date:	4/16/2008 6:49:33 AM	
Methyl tert-butyl ether (MTBE)	21.81	µg/L	2.5	109	51.2	138	2.03	28	
nzene	19.92	µg/L	1.0	99.6	85.9	113	0.433	27	
ene	20.24	µg/L	1.0	101	86.4	113	0.512	19	
Ethylbenzene	20.14	µg/L	1.0	101	83.5	118	0.466	10	
Xylenes, Total	60.97	µg/L	2.0	102	83.4	122	0.787	13	
1,2,4-Trimethylbenzene	20.88	µg/L	1.0	104	83.5	115	0.0192	21	
1,3,5-Trimethylbenzene	21.02	µg/L	1.0	105	85.2	113	0	10	
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-15636		*MBLK*			Batch ID:	**15636**	Analysis Date:	4/14/2008 4:40:19 PM	
Calcium	ND	mg/L	0.50						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-15636		*LCS*			Batch ID:	**15636**	Analysis Date:	4/14/2008 4:43:23 PM	
Calcium	49.97	mg/L	0.50	99.9	80	120			
Magnesium	50.35	mg/L	0.50	101	80	120			
Potassium	53.20	mg/L	1.0	106	80	120			
Sodium	53.46	mg/L	0.50	107	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 4/11/2008

Work Order Number 0804133

Received by: AT

Checklist completed by: _____ Signature _____ 4/11/08 Date

Sample ID labels checked by: _____ Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
ıter - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

ɔrrective Action _____

Chain-of-Custody Record

Client: Western Refinery Gallup Refinery
Address: Rt 3 Box 7 Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: NAPIS Monitoring Wells.
Project #:
Project Manager: Jim.Lieb@wnr.com Jim Lieb cheryl.johnson@wn
Sampler: Cheryl Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: On Ice 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem				Air Bubbles (Y or N)
4-11-08	1130	KA2R		~~HCl~~	0804133 -1	X		X									X				
4-11-08	1145	KA1R			-2	X		X									X				

Date:	Time:	Relinquished by:	Received by:
4-11-08	1235		
4/11/08	14:50		4/11/08 1450

Remarks: Gen Chem - ec, pH, cations, Anions

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, May 09, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Upper Seep Tank 101-102

Order No.: 0804304

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 4/24/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *09-May-08*

CLIENT:	Western Refining Southwest, Gallup
Project:	Upper Seep Tank 101-102
Lab Order:	0804304

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_S, SAMPLE 0804304-01A: Elevated surrogate due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *09-May-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Upper Seep Sludge
Lab Order:	0804304	**Collection Date:**	4/23/2008 9:00:00 AM
Project:	Upper Seep Tank 101-102	**Date Received:**	4/24/2008
Lab ID:	0804304-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	100	10		mg/Kg	1	4/29/2008 4:34:38 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	4/29/2008 4:34:38 PM
Surr: DNOP	99.9	61.7-135		%REC	1	4/29/2008 4:34:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	27	5.0		mg/Kg	1	4/29/2008 2:44:12 AM
Surr: BFB	140	84-138	S	%REC	1	4/29/2008 2:44:12 AM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.10	0.033		mg/Kg	1	5/2/2008 1:35:51 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **TES**
Arsenic	ND	2.5		mg/Kg	1	5/1/2008 12:51:05 PM
Barium	82	0.50		mg/Kg	5	5/1/2008 1:15:25 PM
Cadmium	ND	0.10		mg/Kg	1	5/1/2008 12:51:05 PM
Chromium	6.2	0.30		mg/Kg	1	5/1/2008 12:51:05 PM
Lead	1.0	0.25		mg/Kg	1	5/1/2008 12:51:05 PM
Selenium	ND	2.5		mg/Kg	1	5/1/2008 12:51:05 PM
Silver	ND	0.25		mg/Kg	1	5/1/2008 12:51:05 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Toluene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Ethylbenzene	1.4	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,4-Trimethylbenzene	0.34	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Naphthalene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1-Methylnaphthalene	2.2	0.20		mg/Kg	1	5/5/2008 8:01:19 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	5/5/2008 8:01:19 PM
Acetone	ND	0.75		mg/Kg	1	5/5/2008 8:01:19 PM
Bromobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Bromoform	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Bromomethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
2-Butanone	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Carbon disulfide	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Chlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Chloroethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *09-May-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Upper Seep Sludge
Lab Order:	0804304	**Collection Date:**	4/23/2008 9:00:00 AM
Project:	Upper Seep Tank 101-102	**Date Received:**	4/24/2008
Lab ID:	0804304-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Chloroform	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Chloromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Dibromomethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
2-Hexanone	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Isopropylbenzene	0.19	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
4-Isopropyltoluene	0.077	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	5/5/2008 8:01:19 PM
Methylene chloride	ND	0.15		mg/Kg	1	5/5/2008 8:01:19 PM
n-Butylbenzene	0.29	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
n-Propylbenzene	0.69	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
sec-Butylbenzene	0.36	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Styrene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *09-May-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Upper Seep Sludge
Lab Order:	0804304	**Collection Date:**	4/23/2008 9:00:00 AM
Project:	Upper Seep Tank 101-102	**Date Received:**	4/24/2008
Lab ID:	0804304-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Vinyl chloride	ND	0.050		mg/Kg	1	5/5/2008 8:01:19 PM
Xylenes, Total	ND	0.10		mg/Kg	1	5/5/2008 8:01:19 PM
Surr: 1,2-Dichloroethane-d4	92.4	68.7-122		%REC	1	5/5/2008 8:01:19 PM
Surr: 4-Bromofluorobenzene	105	79.3-126		%REC	1	5/5/2008 8:01:19 PM
Surr: Dibromofluoromethane	99.0	64.4-119		%REC	1	5/5/2008 8:01:19 PM
Surr: Toluene-d8	95.1	86.5-121		%REC	1	5/5/2008 8:01:19 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Upper Seep Tank 101-102 **Work Order:** 0804304

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics									
Sample ID: MB-15754		*MBLK*			Batch ID:	**15754**	Analysis Date:	4/27/2008 11:38:51 AM	
Diesel Range Organics (DRO)	ND	mg/Kg	10						
Motor Oil Range Organics (MRO)	ND	mg/Kg	50						
Sample ID: LCS-15754		*LCS*			Batch ID:	**15754**	Analysis Date:	4/27/2008 12:12:22 PM	
Diesel Range Organics (DRO)	43.77	mg/Kg	10	87.5	64.6	116			
Sample ID: LCSD-15754		*LCSD*			Batch ID:	**15754**	Analysis Date:	4/27/2008 12:45:55 PM	
Diesel Range Organics (DRO)	44.53	mg/Kg	10	89.1	64.6	116	1.74	17.4	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: MB-15760		*MBLK*			Batch ID:	**15760**	Analysis Date:	4/28/2008 10:41:06 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0						
Sample ID: LCS-15760		*LCS*			Batch ID:	**15760**	Analysis Date:	4/28/2008 10:11:03 PM	
Gasoline Range Organics (GRO)	25.85	mg/Kg	5.0	94.0	69.5	120			
Method: EPA Method 7471: Mercury									
Sample ID: MB-15824		*MBLK*			Batch ID:	**15824**	Analysis Date:	5/2/2008 1:29:29 PM	
Mercury	ND	mg/Kg	0.033						
Sample ID: LCS-15824		*LCS*			Batch ID:	**15824**	Analysis Date:	5/2/2008 1:31:02 PM	
Mercury	0.1662	mg/Kg	0.033	99.7	80	120			
Method: EPA Method 6010B: Soil Metals									
Sample ID: MB-15797		*MBLK*			Batch ID:	**15797**	Analysis Date:	5/1/2008 12:41:04 PM	
Arsenic	ND	mg/Kg	2.5						
Barium	ND	mg/Kg	0.10						
Cadmium	ND	mg/Kg	0.10						
Chromium	ND	mg/Kg	0.30						
Lead	ND	mg/Kg	0.25						
Selenium	ND	mg/Kg	2.5						
Silver	ND	mg/Kg	0.25						
Sample ID: LCS-15797		*LCS*			Batch ID:	**15797**	Analysis Date:	5/1/2008 12:43:34 PM	
Arsenic	24.69	mg/Kg	2.5	98.8	80	120			
Barium	24.48	mg/Kg	0.10	97.6	80	120			
Cadmium	25.01	mg/Kg	0.10	100	80	120			
Chromium	25.28	mg/Kg	0.30	101	80	120			
Lead	24.55	mg/Kg	0.25	98.2	80	120			
Selenium	24.06	mg/Kg	2.5	96.3	80	120			
Silver	25.20	mg/Kg	0.25	101	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Upper Seep Tank 101-102 **Work Order:** 0804304

Method: EPA Method 8260B: VOLATILES
Sample ID: mb-15760 *MBLK* Batch ID: 15760 Analysis Date: 5/9/2008 12:23:11 AM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	mg/Kg	0.050						
Toluene	ND	mg/Kg	0.050						
Ethylbenzene	ND	mg/Kg	0.050						
Methyl tert-butyl ether (MTBE)	ND	mg/Kg	0.050						
1,2,4-Trimethylbenzene	ND	mg/Kg	0.050						
1,3,5-Trimethylbenzene	ND	mg/Kg	0.050						
1,2-Dichloroethane (EDC)	ND	mg/Kg	0.050						
1,2-Dibromoethane (EDB)	ND	mg/Kg	0.050						
Naphthalene	ND	mg/Kg	0.10						
1-Methylnaphthalene	ND	mg/Kg	0.20						
2-Methylnaphthalene	ND	mg/Kg	0.20						
Acetone	ND	mg/Kg	0.75						
Bromobenzene	ND	mg/Kg	0.050						
Bromodichloromethane	ND	mg/Kg	0.050						
Bromoform	ND	mg/Kg	0.050						
Bromomethane	ND	mg/Kg	0.10						
2-Butanone	ND	mg/Kg	0.50						
Carbon disulfide	ND	mg/Kg	0.50						
Carbon tetrachloride	ND	mg/Kg	0.10						
Chlorobenzene	ND	mg/Kg	0.050						
Chloroethane	ND	mg/Kg	0.10						
Chloroform	ND	mg/Kg	0.050						
Chloromethane	ND	mg/Kg	0.050						
2-Chlorotoluene	ND	mg/Kg	0.050						
4-Chlorotoluene	ND	mg/Kg	0.050						
cis-1,2-DCE	ND	mg/Kg	0.050						
cis-1,3-Dichloropropene	ND	mg/Kg	0.050						
1,2-Dibromo-3-chloropropane	ND	mg/Kg	0.10						
Dibromochloromethane	ND	mg/Kg	0.050						
Dibromomethane	ND	mg/Kg	0.10						
1,2-Dichlorobenzene	ND	mg/Kg	0.050						
1,3-Dichlorobenzene	ND	mg/Kg	0.050						
1,4-Dichlorobenzene	ND	mg/Kg	0.050						
Dichlorodifluoromethane	ND	mg/Kg	0.050						
1,1-Dichloroethane	ND	mg/Kg	0.10						
1,1-Dichloroethene	ND	mg/Kg	0.050						
1,2-Dichloropropane	ND	mg/Kg	0.050						
1,3-Dichloropropane	ND	mg/Kg	0.050						
2,2-Dichloropropane	ND	mg/Kg	0.10						
1,1-Dichloropropene	ND	mg/Kg	0.10						
Hexachlorobutadiene	ND	mg/Kg	0.10						
2-Hexanone	ND	mg/Kg	0.50						
Isopropylbenzene	ND	mg/Kg	0.050						
4-Isopropyltoluene	ND	mg/Kg	0.050						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Upper Seep Tank 101-102 **Work Order:** 0804304

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: mb-15760		*MBLK*			Batch ID:	**15760**	Analysis Date:	5/9/2008 12:23:11 AM	
4-Methyl-2-pentanone	ND	mg/Kg	0.50						
Methylene chloride	ND	mg/Kg	0.15						
n-Butylbenzene	ND	mg/Kg	0.050						
n-Propylbenzene	ND	mg/Kg	0.050						
sec-Butylbenzene	ND	mg/Kg	0.050						
Styrene	ND	mg/Kg	0.050						
tert-Butylbenzene	ND	mg/Kg	0.050						
1,1,1,2-Tetrachloroethane	ND	mg/Kg	0.050						
1,1,2,2-Tetrachloroethane	ND	mg/Kg	0.050						
Tetrachloroethene (PCE)	ND	mg/Kg	0.050						
trans-1,2-DCE	ND	mg/Kg	0.050						
trans-1,3-Dichloropropene	ND	mg/Kg	0.050						
1,2,3-Trichlorobenzene	ND	mg/Kg	0.10						
1,2,4-Trichlorobenzene	ND	mg/Kg	0.050						
1,1,1-Trichloroethane	ND	mg/Kg	0.050						
1,1,2-Trichloroethane	ND	mg/Kg	0.050						
Trichloroethene (TCE)	ND	mg/Kg	0.050						
Trichlorofluoromethane	ND	mg/Kg	0.050						
1,2,3-Trichloropropane	ND	mg/Kg	0.10						
Vinyl chloride	ND	mg/Kg	0.050						
Xylenes, Total	ND	mg/Kg	0.10						
Sample ID: lcs-15760		*LCS*			Batch ID:	**15760**	Analysis Date:	5/5/2008 6:51:01 PM	
Benzene	1.223	mg/Kg	0.050	122	66.9	142			
Toluene	1.043	mg/Kg	0.050	102	78.4	128			
Chlorobenzene	1.017	mg/Kg	0.050	102	78.2	127			
1,1-Dichloroethene	1.198	mg/Kg	0.050	120	72.6	150			
Trichloroethene (TCE)	0.7769	mg/Kg	0.050	77.7	72.2	120			
Sample ID: lcsd-15760		*LCSD*			Batch ID:	**15760**	Analysis Date:	5/5/2008 7:26:03 PM	
Benzene	1.235	mg/Kg	0.050	124	66.9	142	1.01	20	
Toluene	1.093	mg/Kg	0.050	107	78.4	128	4.70	20	
Chlorobenzene	0.9943	mg/Kg	0.050	99.4	78.2	127	2.27	20	
1,1-Dichloroethene	1.204	mg/Kg	0.050	120	72.6	150	0.513	20	
Trichloroethene (TCE)	0.7794	mg/Kg	0.050	77.9	72.2	120	0.319	20	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 4/24/2008

Work Order Number 0804304

Received by: AMF

Checklist completed by: [signature] 4/24/08
Signature Date

Sample ID labels checked by: AT
Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Company Gallup
Address: Rt 3 Box 7 Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: Upper Seep Tank 101-102
Project #:
Project Manager: Ed Riege
Sampler: Steve Morris
On Ice: ☒ Yes ☐ No
Sample temperature: 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0804304	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	RCRA Metals Total			Air Bubbles (Y or N)
4/23/08	0900	Upper Seep Sludge			-1			X							X		X			

Date:	Time:	Relinquished by:	Received by:	
4/24/08	1200	Steve Morris	[signature]	4/24/08 2:10
Date:	Time:	Relinquished by:	Received by:	

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, June 10, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2. EP-1

Order No.: 0805386

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 5/29/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Jun-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 INLET
Lab Order:	0805386	**Collection Date:**	5/29/2008 7:40:00 AM
Project:	AL-1, AL-2. EP-1	**Date Received:**	5/29/2008
Lab ID:	0805386-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	6/5/2008
2-Chlorophenol	ND	100		µg/L	1	6/5/2008
2,4-Dichlorophenol	ND	100		µg/L	1	6/5/2008
2,4-Dimethylphenol	570	100		µg/L	1	6/5/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/5/2008
2,4-Dinitrophenol	ND	200		µg/L	1	6/5/2008
2-Methylphenol	4100	1000		µg/L	10	6/6/2008
3+4-Methylphenol	7300	1000		µg/L	10	6/6/2008
2-Nitrophenol	ND	100		µg/L	1	6/5/2008
4-Nitrophenol	ND	100		µg/L	1	6/5/2008
Pentachlorophenol	ND	200		µg/L	1	6/5/2008
Phenol	16000	1000		µg/L	10	6/6/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	6/5/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	6/5/2008
Surr: 2,4,6-Tribromophenol	51.1	16.6-150		%REC	1	6/5/2008
Surr: 2-Fluorobiphenyl	42.0	19.6-134		%REC	1	6/5/2008
Surr: 2-Fluorophenol	38.9	9.54-113		%REC	1	6/5/2008
Surr: 4-Terphenyl-d14	51.6	22.7-145		%REC	1	6/5/2008
Surr: Nitrobenzene-d5	63.2	14.6-134		%REC	1	6/5/2008
Surr: Phenol-d5	31.3	10.7-80.3		%REC	1	6/5/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Jun-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 INLET
Lab Order:	0805386	**Collection Date:**	5/29/2008 8:20:00 AM
Project:	AL-1, AL-2. EP-1	**Date Received:**	5/29/2008
Lab ID:	0805386-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	6/5/2008
2-Chlorophenol	ND	100		µg/L	1	6/5/2008
2,4-Dichlorophenol	ND	100		µg/L	1	6/5/2008
2,4-Dimethylphenol	170	100		µg/L	1	6/5/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/5/2008
2,4-Dinitrophenol	ND	200		µg/L	1	6/5/2008
2-Methylphenol	2700	500		µg/L	5	6/6/2008
3+4-Methylphenol	3000	500		µg/L	5	6/6/2008
2-Nitrophenol	ND	100		µg/L	1	6/5/2008
4-Nitrophenol	ND	100		µg/L	1	6/5/2008
Pentachlorophenol	ND	200		µg/L	1	6/5/2008
Phenol	8700	500		µg/L	5	6/6/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	6/5/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	6/5/2008
Surr: 2,4,6-Tribromophenol	74.2	16.6-150		%REC	1	6/5/2008
Surr: 2-Fluorobiphenyl	51.9	19.6-134		%REC	1	6/5/2008
Surr: 2-Fluorophenol	48.2	9.54-113		%REC	1	6/5/2008
Surr: 4-Terphenyl-d14	58.0	22.7-145		%REC	1	6/5/2008
Surr: Nitrobenzene-d5	71.9	14.6-134		%REC	1	6/5/2008
Surr: Phenol-d5	35.2	10.7-80.3		%REC	1	6/5/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Jun-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 INLET
Lab Order:	0805386	**Collection Date:**	5/29/2008 8:42:00 AM
Project:	AL-1, AL-2. EP-1	**Date Received:**	5/29/2008
Lab ID:	0805386-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	6/5/2008
2-Chlorophenol	ND	100		µg/L	1	6/5/2008
2,4-Dichlorophenol	ND	100		µg/L	1	6/5/2008
2,4-Dimethylphenol	ND	100		µg/L	1	6/5/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	6/5/2008
2,4-Dinitrophenol	ND	200		µg/L	1	6/5/2008
2-Methylphenol	1000	100		µg/L	1	6/5/2008
3+4-Methylphenol	1500	100		µg/L	1	6/5/2008
2-Nitrophenol	ND	100		µg/L	1	6/5/2008
4-Nitrophenol	ND	100		µg/L	1	6/5/2008
Pentachlorophenol	ND	200		µg/L	1	6/5/2008
Phenol	3400	1000		µg/L	10	6/6/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	6/5/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	6/5/2008
Surr: 2,4,6-Tribromophenol	58.4	16.6-150		%REC	1	6/5/2008
Surr: 2-Fluorobiphenyl	44.9	19.6-134		%REC	1	6/5/2008
Surr: 2-Fluorophenol	47.0	9.54-113		%REC	1	6/5/2008
Surr: 4-Terphenyl-d14	49.1	22.7-145		%REC	1	6/5/2008
Surr: Nitrobenzene-d5	63.6	14.6-134		%REC	1	6/5/2008
Surr: Phenol-d5	31.6	10.7-80.3		%REC	1	6/5/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

ASSAIGAI ANALYTICAL LABORATORIES, INC. A WOMAN OWNED SMALL BUSINESS
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
6400 Airport, Bldg. B, Suite J • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive • Los Alamos, New Mexico 87544 • (505) 662-2558

Explanation of codes	
B	*Analyte Detected In Method Blank*
E	*Result Is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0805386**
Order: **08050747** **HAL03** Receipt: **05-29-08**

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0805386-01B AL-1 INLET*** Collected: *05-29-08 7:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08050747-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08020	WC.2008.1363.12	C-004	Chemical Oxygen Demand	4210	mg/L	10	10		06-02-08	06-03-08

Sample: ***0805386-01C AL-1 INLET*** Collected: *05-29-08 7:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08050747-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08062	WC.2008.1364.8	10-26-4	Biochemical Oxygen Demand	1674	mg/L	1	4		05-30-08	06-04-08

Sample: ***0805386-02B AL-2 INLET*** Collected: *05-29-08 8:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08050747-003A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08020	WC.2008.1363.10	C-004	Chemical Oxygen Demand	2368	mg/L	10	10		06-02-08	06-03-08

REPRODUCTION OF THIS REPORT IN LESS THAN FULL REQUIRES THE WRITTEN CONSENT OF AAL.
THIS REPORT MAY NOT BE USED IN ANY MANNER BY THE CLIENT OR ANY OTHER THIRD PARTY TO CLAIM PRODUCT ENDORSEMENT BY THE NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM.

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0805386**
Order: **08050747** **HAL03** Receipt: **05-29-08**

Sample: ***0805386-02C AL-2 INLET*** Collected: *05-29-08 8:20:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08050747-004A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08062	WC.2008.1384.4	10-26-4	Biochemical Oxygen Demand	717	mg/L	1	4		05-30-08	06-04-08

Sample: ***0805386-03B EP-1 INLET*** Collected: *05-29-08 8:42:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08050747-005A		EPA 410.1 Chemical Oxygen Demand						By: FAS		
WCOD08020	WC.2008.1383.11	C-004	Chemical Oxygen Demand	2631	mg/L	10	10		06-02-08	06-03-08

Sample: ***0805386-03C EP-1 INLET*** Collected: *05-29-08 8:42:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08050747-006A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08062	WC.2008.1384.14	10-26-4	Biochemical Oxygen Demand	497	mg/L	1	4		05-30-08	06-04-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2. EP-1 **Work Order:** 0805386

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16121		*MBLK*			Batch ID:	**16121**	Analysis Date:		6/5/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	10						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	10						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16121		*LCS*			Batch ID:	**16121**	Analysis Date:		6/5/2008
4-Chloro-3-methylphenol	118.6	µg/L	10	59.3	15.4	119			
2-Chlorophenol	116.1	µg/L	10	58.0	12.2	122			
4-Nitrophenol	71.82	µg/L	10	35.9	12.5	87.4			
Pentachlorophenol	136.3	µg/L	20	68.2	3.55	114			
Phenol	66.20	µg/L	10	33.1	7.53	73.1			
Sample ID: lcsd-16121		*LCSD*			Batch ID:	**16121**	Analysis Date:		6/5/2008
4-Chloro-3-methylphenol	108.2	µg/L	10	54.1	15.4	119	9.17	28.6	
2-Chlorophenol	93.78	µg/L	10	46.9	12.2	122	21.3	107	
4-Nitrophenol	65.24	µg/L	10	32.6	12.5	87.4	9.60	36.3	
Pentachlorophenol	134.5	µg/L	20	67.2	3.55	114	1.34	49	
Phenol	55.42	µg/L	10	27.7	7.53	73.1	17.7	52.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 5/29/2008

Work Order Number 0805386

Received by: TLS

Sample ID labels checked by: F
Initials

Checklist completed by: Amy Shomin May 29, 08
Signature Date

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	

Container/Temp Blank temperature? 12° *<6° C Acceptable*
If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN REFINING
Gallup Refinery
Address: RT 3 Box 9

Phone #:
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: AL-1 AL-2 EP-1
Project #:
Project Manager: GAURAV RAJEN
Sampler: A. DORSEY
On Ice: ☒ Yes ☐ No
Sample Temperature: 10

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0805356	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
5/29/08	7:40	AL-1 INLET	1/1000ml		1												X				
5/29/08	7:40	AL-1 INLET	1/500mL	H_2SO_4	1													X			
5/29/08	7:40	AL-1 INLET	1/Liter		1														X		
5/29/08	8:20	AL-2 INLET	1/1000ml		2												X				
5/29/08	8:20	AL-2 INLET	1/500mL	H_2SO_4	2													X			
5/29/08	8:20	AL-2 INLET	1/Liter		2														X		
5/29/08	8:42	EP-1 INLET	1/1000ml		3												X				
5/29/08	8:42	EP-1 INLET	1/500mL	H_2SO_4	3													X			
5/29/08	8:42	EP-1 INLET	1/Liter		3														X		

Date:	Time:	Relinquished by:	Received by:	Date:	Time:
5-29-08	1150	[signature]	[signature]	5/29/08	1150
Date:	Time:	Relinquished by:	Received by:		

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, July 14, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Evaporation Pond Water Samples 2nd Qtr 2008

Order No.: 0806253

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 6/17/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 1
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:15:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Fluoride	120	5.0		mg/L	50	6/23/2008 6:48:08 PM
Chloride	120	5.0		mg/L	50	6/23/2008 6:48:08 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	6/18/2008 9:27:58 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	6/18/2008 9:27:58 PM
Phosphorus, Orthophosphate (As P)	15	5.0		mg/L	10	6/18/2008 9:27:58 PM
Sulfate	1100	25		mg/L	50	6/23/2008 6:48:08 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	0.00035	0.00020		mg/L	1	6/25/2008 12:40:22 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: TES
Arsenic	ND	0.020		mg/L	1	6/27/2008 1:30:22 PM
Barium	0.10	0.010		mg/L	1	6/27/2008 1:30:22 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2008 1:30:22 PM
Calcium	57	5.0		mg/L	10	6/30/2008 3:52:01 PM
Chromium	0.0085	0.0060		mg/L	1	6/27/2008 1:30:22 PM
Copper	0.010	0.0060		mg/L	1	6/27/2008 1:30:22 PM
Iron	4.9	0.50		mg/L	10	6/30/2008 3:52:01 PM
Lead	0.0052	0.0050		mg/L	1	6/27/2008 1:30:22 PM
Magnesium	15	0.50		mg/L	1	6/27/2008 1:30:22 PM
Manganese	0.14	0.0020		mg/L	1	6/27/2008 1:30:22 PM
Potassium	93	10		mg/L	10	6/30/2008 3:52:01 PM
Selenium	ND	0.050		mg/L	1	6/27/2008 1:30:22 PM
Silver	ND	0.0050		mg/L	1	6/27/2008 1:30:22 PM
Sodium	540	5.0		mg/L	10	6/30/2008 2:50:12 PM
Uranium	ND	0.10		mg/L	1	6/27/2008 1:30:22 PM
Zinc	0.88	0.020		mg/L	1	6/27/2008 1:30:22 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Toluene	5.6	1.0		µg/L	1	6/20/2008 5:04:57 AM
Ethylbenzene	1.6	1.0		µg/L	1	6/20/2008 5:04:57 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2,4-Trimethylbenzene	17	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,3,5-Trimethylbenzene	4.4	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Naphthalene	31	2.0		µg/L	1	6/20/2008 5:04:57 AM
1-Methylnaphthalene	72	4.0		µg/L	1	6/20/2008 5:04:57 AM
2-Methylnaphthalene	300	20		µg/L	5	6/20/2008 4:36:11 AM
Acetone	1600	1000		µg/L	100	6/19/2008 3:17:06 PM
Bromobenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 1
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:15:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromodichloromethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Bromoform	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Bromomethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
2-Butanone	190	10		µg/L	1	6/20/2008 5:04:57 AM
Carbon disulfide	11	10		µg/L	1	6/20/2008 5:04:57 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Chlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Chloroethane	ND	2.0		µg/L	1	6/20/2008 5:04:57 AM
Chloroform	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Chloromethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/20/2008 5:04:57 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Dibromomethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/20/2008 5:04:57 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
2-Hexanone	ND	10		µg/L	1	6/20/2008 5:04:57 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/20/2008 5:04:57 AM
Methylene Chloride	ND	3.0		µg/L	1	6/20/2008 5:04:57 AM
n-Butylbenzene	5.5	1.0		µg/L	1	6/20/2008 5:04:57 AM
n-Propylbenzene	1.5	1.0		µg/L	1	6/20/2008 5:04:57 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Styrene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/20/2008 5:04:57 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 1
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:15:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/20/2008 5:04:57 AM
Vinyl chloride	ND	1.0		µg/L	1	6/20/2008 5:04:57 AM
Xylenes, Total	12	1.5		µg/L	1	6/20/2008 5:04:57 AM
Surr: 1,2-Dichloroethane-d4	93.3	68.1-123		%REC	1	6/20/2008 5:04:57 AM
Surr: 4-Bromofluorobenzene	92.2	53.2-145		%REC	1	6/20/2008 5:04:57 AM
Surr: Dibromofluoromethane	99.8	68.5-119		%REC	1	6/20/2008 5:04:57 AM
Surr: Toluene-d8	94.0	64-131		%REC	1	6/20/2008 5:04:57 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	4600	0.010		µmhos/cm	1	6/18/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.57	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 2
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:30:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	63	10		mg/L	100	6/23/2008 7:05:33 PM
Chloride	2900	10		mg/L	100	6/23/2008 7:05:33 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	7/8/2008 12:20:39 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/18/2008 9:45:23 PM
Sulfate	1300	50		mg/L	100	6/23/2008 7:05:33 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 12:42:06 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	6/27/2008 1:34:16 PM
Barium	0.066	0.010		mg/L	1	6/27/2008 1:34:16 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2008 1:34:16 PM
Calcium	290	5.0		mg/L	10	6/30/2008 5:14:05 PM
Chromium	ND	0.0060		mg/L	1	6/27/2008 1:34:16 PM
Copper	ND	0.0060		mg/L	1	6/27/2008 1:34:16 PM
Iron	1.4	0.50		mg/L	10	6/30/2008 5:14:05 PM
Lead	ND	0.0050		mg/L	1	6/27/2008 1:34:16 PM
Magnesium	78	0.50		mg/L	1	6/27/2008 1:34:16 PM
Manganese	0.14	0.0020		mg/L	1	6/27/2008 1:34:16 PM
Potassium	110	10		mg/L	10	6/30/2008 5:14:05 PM
Selenium	ND	0.050		mg/L	1	6/27/2008 1:34:16 PM
Silver	ND	0.0050		mg/L	1	6/27/2008 1:34:16 PM
Sodium	2200	250		mg/L	500	6/30/2008 2:52:26 PM
Uranium	ND	0.10		mg/L	1	6/27/2008 1:34:16 PM
Zinc	0.31	0.020		mg/L	1	6/27/2008 1:34:16 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Toluene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Ethylbenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2,4-Trimethylbenzene	15	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Naphthalene	14	10		µg/L	5	6/23/2008 2:04:16 PM
1-Methylnaphthalene	33	20		µg/L	5	6/26/2008 8:52:46 PM
2-Methylnaphthalene	50	20		µg/L	5	6/26/2008 8:52:46 PM
Acetone	640	50		µg/L	5	6/23/2008 2:04:16 PM
Bromobenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Bromodichloromethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 2
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:30:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromoform	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Bromomethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
2-Butanone	80	50		µg/L	5	6/23/2008 2:04:16 PM
Carbon disulfide	ND	50		µg/L	5	6/23/2008 2:04:16 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Chlorobenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Chloroethane	ND	10		µg/L	5	6/23/2008 2:04:16 PM
Chloroform	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Chloromethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
2-Chlorotoluene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
4-Chlorotoluene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
cis-1,2-DCE	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	6/23/2008 2:04:16 PM
Dibromochloromethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Dibromomethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
2,2-Dichloropropane	ND	10		µg/L	5	6/23/2008 2:04:16 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
2-Hexanone	ND	50		µg/L	5	6/23/2008 2:04:16 PM
Isopropylbenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
4-Isopropyltoluene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	6/23/2008 2:04:16 PM
Methylene Chloride	ND	15		µg/L	5	6/23/2008 2:04:16 PM
n-Butylbenzene	9.0	5.0		µg/L	5	6/23/2008 2:04:16 PM
n-Propylbenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
sec-Butylbenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Styrene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
tert-Butylbenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	6/23/2008 2:04:16 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
trans-1,2-DCE	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 2
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:30:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/26/2008 8:52:46 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	6/23/2008 2:04:16 PM
Vinyl chloride	ND	5.0		µg/L	5	6/23/2008 2:04:16 PM
Xylenes, Total	ND	7.5		µg/L	5	6/23/2008 2:04:16 PM
Surr: 1,2-Dichloroethane-d4	85.1	68.1-123		%REC	5	6/23/2008 2:04:16 PM
Surr: 4-Bromofluorobenzene	85.5	53.2-145		%REC	5	6/23/2008 2:04:16 PM
Surr: Dibromofluoromethane	94.2	68.5-119		%REC	5	6/23/2008 2:04:16 PM
Surr: Toluene-d8	105	64-131		%REC	5	6/23/2008 2:04:16 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	11000	0.010		µmhos/cm	1	6/18/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.90	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 3
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:45:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	44	2.0		mg/L	20	7/8/2008 2:22:31 PM
Chloride	3700	10		mg/L	100	6/23/2008 7:57:46 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	6/24/2008 3:23:13 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/18/2008 10:02:48 PM
Sulfate	1400	50		mg/L	100	6/23/2008 7:57:46 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 12:43:50 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	6/27/2008 1:38:10 PM
Barium	0.061	0.010		mg/L	1	6/27/2008 1:38:10 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2008 1:38:10 PM
Calcium	320	5.0		mg/L	10	6/30/2008 5:17:04 PM
Chromium	ND	0.0060		mg/L	1	6/27/2008 1:38:10 PM
Copper	ND	0.0060		mg/L	1	6/27/2008 1:38:10 PM
Iron	0.73	0.050		mg/L	1	6/27/2008 1:38:10 PM
Lead	ND	0.0050		mg/L	1	6/27/2008 1:38:10 PM
Magnesium	97	0.50		mg/L	1	6/27/2008 1:38:10 PM
Manganese	0.15	0.0020		mg/L	1	6/27/2008 1:38:10 PM
Potassium	140	10		mg/L	10	6/30/2008 5:17:04 PM
Selenium	ND	0.050		mg/L	1	6/27/2008 1:38:10 PM
Silver	ND	0.0050		mg/L	1	6/27/2008 1:38:10 PM
Sodium	2700	250		mg/L	500	6/30/2008 2:54:39 PM
Uranium	ND	0.10		mg/L	1	6/27/2008 1:38:10 PM
Zinc	0.14	0.020		mg/L	1	6/27/2008 1:38:10 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Toluene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Ethylbenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2,4-Trimethylbenzene	2.0	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Naphthalene	3.0	2.0		µg/L	1	6/24/2008 9:29:38 AM
1-Methylnaphthalene	15	4.0		µg/L	1	6/26/2008 9:50:10 PM
2-Methylnaphthalene	23	4.0		µg/L	1	6/26/2008 9:50:10 PM
Acetone	160	10		µg/L	1	6/24/2008 9:29:38 AM
Bromobenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Bromodichloromethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 3
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:45:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromoform	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Bromomethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
2-Butanone	18	10		µg/L	1	6/24/2008 9:29:38 AM
Carbon disulfide	10	10		µg/L	1	6/24/2008 9:29:38 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Chlorobenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Chloroethane	ND	2.0		µg/L	1	6/24/2008 9:29:38 AM
Chloroform	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Chloromethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
2-Chlorotoluene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
4-Chlorotoluene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
cis-1,2-DCE	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/24/2008 9:29:38 AM
Dibromochloromethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Dibromomethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/24/2008 9:29:38 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
2-Hexanone	ND	10		µg/L	1	6/24/2008 9:29:38 AM
Isopropylbenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/24/2008 9:29:38 AM
Methylene Chloride	ND	3.0		µg/L	1	6/24/2008 9:29:38 AM
n-Butylbenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
n-Propylbenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
sec-Butylbenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Styrene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
tert-Butylbenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/24/2008 9:29:38 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
trans-1,2-DCE	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 3
Lab Order:	0806253	**Collection Date:**	6/17/2008 9:45:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/26/2008 9:50:10 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/24/2008 9:29:38 AM
Vinyl chloride	ND	1.0		µg/L	1	6/24/2008 9:29:38 AM
Xylenes, Total	ND	1.5		µg/L	1	6/24/2008 9:29:38 AM
Surr: 1,2-Dichloroethane-d4	94.2	68.1-123		%REC	1	6/24/2008 9:29:38 AM
Surr: 4-Bromofluorobenzene	97.8	53.2-145		%REC	1	6/24/2008 9:29:38 AM
Surr: Dibromofluoromethane	94.5	68.5-119		%REC	1	6/24/2008 9:29:38 AM
Surr: Toluene-d8	105	64-131		%REC	1	6/24/2008 9:29:38 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	13000	0.010		µmhos/cm	1	6/18/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.91	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 4
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:00:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Fluoride	34	1.0		mg/L	10	6/18/2008 10:20:13 PM
Chloride	4500	20		mg/L	200	7/9/2008 12:14:57 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	6/24/2008 3:40:37 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/18/2008 10:20:13 PM
Sulfate	1500	50		mg/L	100	6/23/2008 8:15:10 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	6/25/2008 12:45:34 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: TES
Arsenic	ND	0.10		mg/L	5	6/27/2008 4:32:35 PM
Barium	0.065	0.050		mg/L	5	6/27/2008 4:32:35 PM
Cadmium	ND	0.010		mg/L	5	6/27/2008 4:32:35 PM
Calcium	340	5.0		mg/L	10	6/30/2008 5:19:57 PM
Chromium	ND	0.030		mg/L	5	6/27/2008 4:32:35 PM
Copper	ND	0.030		mg/L	5	6/27/2008 4:32:35 PM
Iron	0.42	0.25		mg/L	5	6/27/2008 4:32:35 PM
Lead	ND	0.025		mg/L	5	6/27/2008 4:32:35 PM
Magnesium	130	5.0		mg/L	10	6/30/2008 5:19:57 PM
Manganese	0.19	0.010		mg/L	5	6/27/2008 4:32:35 PM
Potassium	160	10		mg/L	10	6/30/2008 5:19:57 PM
Selenium	ND	0.25		mg/L	5	6/27/2008 4:32:35 PM
Silver	ND	0.025		mg/L	5	6/27/2008 4:32:35 PM
Sodium	3000	250		mg/L	500	6/30/2008 2:58:35 PM
Uranium	ND	0.50		mg/L	5	6/27/2008 4:32:35 PM
Zinc	ND	0.10		mg/L	5	6/27/2008 4:32:35 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Toluene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Naphthalene	ND	2.0		µg/L	1	6/20/2008 2:51:18 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2008 2:51:18 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2008 2:51:18 PM
Acetone	59	10		µg/L	1	6/20/2008 2:51:18 PM
Bromobenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 4
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:00:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromoform	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Bromomethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
2-Butanone	ND	10		µg/L	1	6/20/2008 2:51:18 PM
Carbon disulfide	50	10		µg/L	1	6/20/2008 2:51:18 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Chlorobenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Chloroethane	ND	2.0		µg/L	1	6/20/2008 2:51:18 PM
Chloroform	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Chloromethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/20/2008 2:51:18 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Dibromomethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/20/2008 2:51:18 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
2-Hexanone	ND	10		µg/L	1	6/20/2008 2:51:18 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/20/2008 2:51:18 PM
Methylene Chloride	ND	3.0		µg/L	1	6/20/2008 2:51:18 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Styrene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/20/2008 2:51:18 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 4
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:00:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/20/2008 2:51:18 PM
Vinyl chloride	ND	1.0		µg/L	1	6/20/2008 2:51:18 PM
Xylenes, Total	ND	1.5		µg/L	1	6/20/2008 2:51:18 PM
Surr: 1,2-Dichloroethane-d4	94.4	68.1-123		%REC	1	6/20/2008 2:51:18 PM
Surr: 4-Bromofluorobenzene	92.9	53.2-145		%REC	1	6/20/2008 2:51:18 PM
Surr: Dibromofluoromethane	95.5	68.5-119		%REC	1	6/20/2008 2:51:18 PM
Surr: Toluene-d8	93.8	64-131		%REC	1	6/20/2008 2:51:18 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	15000	0.010		µmhos/cm	1	6/18/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.94	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 5
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:15:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	26	1.0		mg/L	10	6/18/2008 10:37:37 PM
Chloride	5400	20		mg/L	200	7/9/2008 12:49:47 PM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	7/9/2008 1:07:12 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/18/2008 10:37:37 PM
Sulfate	1800	50		mg/L	100	6/23/2008 8:32:34 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 12:47:20 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.10		mg/L	5	6/27/2008 4:35:27 PM
Barium	0.074	0.050		mg/L	5	6/27/2008 4:35:27 PM
Cadmium	ND	0.010		mg/L	5	6/27/2008 4:35:27 PM
Calcium	390	5.0		mg/L	10	6/30/2008 5:22:53 PM
Chromium	ND	0.030		mg/L	5	6/27/2008 4:35:27 PM
Copper	ND	0.030		mg/L	5	6/27/2008 4:35:27 PM
Iron	ND	0.25		mg/L	5	6/27/2008 4:35:27 PM
Lead	ND	0.025		mg/L	5	6/27/2008 4:35:27 PM
Magnesium	150	5.0		mg/L	10	6/30/2008 5:22:53 PM
Manganese	0.44	0.010		mg/L	5	6/27/2008 4:35:27 PM
Potassium	190	10		mg/L	10	6/30/2008 5:22:53 PM
Selenium	ND	0.25		mg/L	5	6/27/2008 4:35:27 PM
Silver	ND	0.025		mg/L	5	6/27/2008 4:35:27 PM
Sodium	3600	250		mg/L	500	6/30/2008 3:00:56 PM
Uranium	ND	0.50		mg/L	5	6/27/2008 4:35:27 PM
Zinc	ND	0.10		mg/L	5	6/27/2008 4:35:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Toluene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Naphthalene	ND	2.0		µg/L	1	6/20/2008 4:18:08 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2008 4:18:08 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2008 4:18:08 PM
Acetone	46	10		µg/L	1	6/20/2008 4:18:08 PM
Bromobenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 5
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:15:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromoform	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Bromomethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
2-Butanone	ND	10		µg/L	1	6/20/2008 4:18:08 PM
Carbon disulfide	33	10		µg/L	1	6/20/2008 4:18:08 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Chlorobenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Chloroethane	ND	2.0		µg/L	1	6/20/2008 4:18:08 PM
Chloroform	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Chloromethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/20/2008 4:18:08 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Dibromomethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/20/2008 4:18:08 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
2-Hexanone	ND	10		µg/L	1	6/20/2008 4:18:08 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/20/2008 4:18:08 PM
Methylene Chloride	ND	3.0		µg/L	1	6/20/2008 4:18:08 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Styrene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/20/2008 4:18:08 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 5
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:15:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/20/2008 4:18:08 PM
Vinyl chloride	ND	1.0		µg/L	1	6/20/2008 4:18:08 PM
Xylenes, Total	ND	1.5		µg/L	1	6/20/2008 4:18:08 PM
Surr: 1,2-Dichloroethane-d4	93.7	68.1-123		%REC	1	6/20/2008 4:18:08 PM
Surr: 4-Bromofluorobenzene	97.4	53.2-145		%REC	1	6/20/2008 4:18:08 PM
Surr: Dibromofluoromethane	98.9	68.5-119		%REC	1	6/20/2008 4:18:08 PM
Surr: Toluene-d8	98.3	64-131		%REC	1	6/20/2008 4:18:08 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	17000	0.010		µmhos/cm	1	6/18/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.86	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 6
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:30:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	29	1.0		mg/L	10	6/18/2008 11:29:51 PM
Chloride	6600	20		mg/L	200	7/9/2008 1:59:25 PM
Nitrate (As N)+Nitrite (As N)	ND	10		mg/L	50	7/9/2008 2:16:50 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/18/2008 11:29:51 PM
Sulfate	2600	50		mg/L	100	6/23/2008 8:49:59 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 12:49:05 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.10		mg/L	5	6/27/2008 4:38:20 PM
Barium	0.093	0.050		mg/L	5	6/27/2008 4:38:20 PM
Cadmium	ND	0.010		mg/L	5	6/27/2008 4:38:20 PM
Calcium	460	5.0		mg/L	10	6/30/2008 5:25:46 PM
Chromium	ND	0.030		mg/L	5	6/27/2008 4:38:20 PM
Copper	ND	0.030		mg/L	5	6/27/2008 4:38:20 PM
Iron	ND	0.25		mg/L	5	6/27/2008 4:38:20 PM
Lead	ND	0.025		mg/L	5	6/27/2008 4:38:20 PM
Magnesium	170	5.0		mg/L	10	6/30/2008 5:25:46 PM
Manganese	1.1	0.010		mg/L	5	6/27/2008 4:38:20 PM
Potassium	190	10		mg/L	10	6/30/2008 5:25:46 PM
Selenium	ND	0.25		mg/L	5	6/27/2008 4:38:20 PM
Silver	ND	0.025		mg/L	5	6/27/2008 4:38:20 PM
Sodium	4600	250		mg/L	500	6/30/2008 3:03:09 PM
Uranium	ND	0.50		mg/L	5	6/27/2008 4:38:20 PM
Zinc	ND	0.10		mg/L	5	6/27/2008 4:38:20 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Toluene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Ethylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Naphthalene	ND	2.0		µg/L	1	6/19/2008 5:47:45 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/19/2008 5:47:45 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/19/2008 5:47:45 PM
Acetone	ND	10		µg/L	1	6/19/2008 5:47:45 PM
Bromobenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 6
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:30:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromoform	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Bromomethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
2-Butanone	ND	10		µg/L	1	6/19/2008 5:47:45 PM
Carbon disulfide	ND	10		µg/L	1	6/19/2008 5:47:45 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Chlorobenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Chloroethane	ND	2.0		µg/L	1	6/19/2008 5:47:45 PM
Chloroform	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Chloromethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/19/2008 5:47:45 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Dibromomethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/19/2008 5:47:45 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
2-Hexanone	ND	10		µg/L	1	6/19/2008 5:47:45 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/19/2008 5:47:45 PM
Methylene Chloride	ND	3.0		µg/L	1	6/19/2008 5:47:45 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Styrene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/19/2008 5:47:45 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 6
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:30:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/19/2008 5:47:45 PM
Vinyl chloride	ND	1.0		µg/L	1	6/19/2008 5:47:45 PM
Xylenes, Total	ND	1.5		µg/L	1	6/19/2008 5:47:45 PM
Surr: 1,2-Dichloroethane-d4	94.9	68.1-123		%REC	1	6/19/2008 5:47:45 PM
Surr: 4-Bromofluorobenzene	98.0	53.2-145		%REC	1	6/19/2008 5:47:45 PM
Surr: Dibromofluoromethane	97.3	68.5-119		%REC	1	6/19/2008 5:47:45 PM
Surr: Toluene-d8	98.6	64-131		%REC	1	6/19/2008 5:47:45 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	25000	0.10		µmhos/cm	10	6/18/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.64	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 7
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:45:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	29	1.0		mg/L	10	6/18/2008 11:47:15 PM
Chloride	64000	500		mg/L	5000	7/9/2008 10:41:39 PM
Nitrate (As N)+Nitrite (As N)	ND	100		mg/L	500	7/10/2008 5:57:27 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/18/2008 11:47:15 PM
Sulfate	15000	250		mg/L	500	6/23/2008 9:07:23 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 12:50:52 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.40		mg/L	20	6/27/2008 2:41:46 PM
Barium	ND	0.20		mg/L	20	6/27/2008 2:41:46 PM
Cadmium	ND	0.040		mg/L	20	6/27/2008 2:41:46 PM
Calcium	1400	10		mg/L	20	6/27/2008 2:41:46 PM
Chromium	ND	0.12		mg/L	20	6/27/2008 2:41:46 PM
Copper	ND	0.12		mg/L	20	6/27/2008 2:41:46 PM
Iron	ND	0.25		mg/L	5	6/27/2008 2:32:36 PM
Lead	ND	0.10		mg/L	20	6/27/2008 2:41:46 PM
Magnesium	1400	10		mg/L	20	6/27/2008 2:41:46 PM
Manganese	8.1	0.040		mg/L	20	6/27/2008 2:41:46 PM
Potassium	1800	20		mg/L	20	6/30/2008 5:28:41 PM
Selenium	ND	1.0		mg/L	20	6/27/2008 2:41:46 PM
Silver	ND	0.10		mg/L	20	6/27/2008 2:41:46 PM
Sodium	49000	500		mg/L	1000	6/30/2008 3:19:55 PM
Uranium	ND	2.0		mg/L	20	6/27/2008 2:41:46 PM
Zinc	ND	0.40		mg/L	20	6/27/2008 2:41:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Toluene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Ethylbenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2,4-Trimethylbenzene	1.2	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Naphthalene	ND	2.0		µg/L	1	6/19/2008 6:16:38 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/19/2008 6:16:38 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/19/2008 6:16:38 PM
Acetone	49	10		µg/L	1	6/19/2008 6:16:38 PM
Bromobenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 7
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:45:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromoform	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Bromomethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
2-Butanone	ND	10		µg/L	1	6/19/2008 6:16:38 PM
Carbon disulfide	ND	10		µg/L	1	6/19/2008 6:16:38 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Chlorobenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Chloroethane	ND	2.0		µg/L	1	6/19/2008 6:16:38 PM
Chloroform	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Chloromethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/19/2008 6:16:38 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Dibromomethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/19/2008 6:16:38 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
2-Hexanone	ND	10		µg/L	1	6/19/2008 6:16:38 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/19/2008 6:16:38 PM
Methylene Chloride	ND	3.0		µg/L	1	6/19/2008 6:16:38 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Styrene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/19/2008 6:16:38 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 7
Lab Order:	0806253	**Collection Date:**	6/17/2008 10:45:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/19/2008 6:16:38 PM
Vinyl chloride	ND	1.0		µg/L	1	6/19/2008 6:16:38 PM
Xylenes, Total	ND	1.5		µg/L	1	6/19/2008 6:16:38 PM
Surr: 1,2-Dichloroethane-d4	102	68.1-123		%REC	1	6/19/2008 6:16:38 PM
Surr: 4-Bromofluorobenzene	99.7	53.2-145		%REC	1	6/19/2008 6:16:38 PM
Surr: Dibromofluoromethane	94.5	68.5-119		%REC	1	6/19/2008 6:16:38 PM
Surr: Toluene-d8	98.2	64-131		%REC	1	6/19/2008 6:16:38 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	180000	0.10		µmhos/cm	10	6/18/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.34	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 8
Lab Order:	0806253	**Collection Date:**	6/17/2008 11:00:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	94	50		mg/L	500	7/9/2008 3:09:02 PM
Chloride	160000	500		mg/L	5000	7/9/2008 10:59:03 PM
Nitrate (As N)+Nitrite (As N)	ND	200		mg/L	1000	7/10/2008 6:14:52 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	6/19/2008 12:04:40 AM
Sulfate	20000	500		mg/L	1000	6/23/2008 9:24:48 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00080		mg/L	1	6/25/2008 12:52:39 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	1.0		mg/L	50	6/27/2008 3:09:01 PM
Barium	ND	0.50		mg/L	50	6/27/2008 3:09:01 PM
Cadmium	ND	0.10		mg/L	50	6/27/2008 3:09:01 PM
Calcium	1100	25		mg/L	50	6/27/2008 3:09:01 PM
Chromium	ND	0.30		mg/L	50	6/27/2008 3:09:01 PM
Copper	ND	0.30		mg/L	50	6/27/2008 3:09:01 PM
Iron	ND	0.50		mg/L	10	6/27/2008 2:47:51 PM
Lead	ND	0.25		mg/L	50	6/27/2008 3:09:01 PM
Magnesium	8800	50		mg/L	100	6/30/2008 3:55:06 PM
Manganese	82	0.20		mg/L	100	6/30/2008 3:55:06 PM
Potassium	12000	200		mg/L	200	6/30/2008 4:01:06 PM
Selenium	ND	2.5		mg/L	50	6/27/2008 3:09:01 PM
Silver	ND	0.25		mg/L	50	6/27/2008 3:09:01 PM
Sodium	99000	2500		mg/L	5000	6/30/2008 3:22:06 PM
Uranium	ND	5.0		mg/L	50	6/27/2008 3:09:01 PM
Zinc	ND	1.0		mg/L	50	6/27/2008 3:09:01 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Toluene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Ethylbenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2,4-Trimethylbenzene	1.1	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Naphthalene	ND	2.0		µg/L	1	6/20/2008 5:44:45 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2008 5:44:45 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/20/2008 5:44:45 PM
Acetone	120	10		µg/L	1	6/20/2008 5:44:45 PM
Bromobenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 8
Lab Order:	0806253	**Collection Date:**	6/17/2008 11:00:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Bromoform	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Bromomethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
2-Butanone	14	10		µg/L	1	6/20/2008 5:44:45 PM
Carbon disulfide	ND	10		µg/L	1	6/20/2008 5:44:45 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Chlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Chloroethane	ND	2.0		µg/L	1	6/20/2008 5:44:45 PM
Chloroform	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Chloromethane	1.3	1.0		µg/L	1	6/20/2008 5:44:45 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/20/2008 5:44:45 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Dibromomethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/20/2008 5:44:45 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
2-Hexanone	ND	10		µg/L	1	6/20/2008 5:44:45 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/20/2008 5:44:45 PM
Methylene Chloride	ND	3.0		µg/L	1	6/20/2008 5:44:45 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Styrene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/20/2008 5:44:45 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond 8
Lab Order:	0806253	**Collection Date:**	6/17/2008 11:00:00 AM
Project:	Evaporation Pond Water Samples 2nd Qtr 2008	**Date Received:**	6/17/2008
Lab ID:	0806253-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/20/2008 5:44:45 PM
Vinyl chloride	ND	1.0		µg/L	1	6/20/2008 5:44:45 PM
Xylenes, Total	ND	1.5		µg/L	1	6/20/2008 5:44:45 PM
Surr: 1,2-Dichloroethane-d4	102	68.1-123		%REC	1	6/20/2008 5:44:45 PM
Surr: 4-Bromofluorobenzene	149	53.2-145	S	%REC	1	6/20/2008 5:44:45 PM
Surr: Dibromofluoromethane	98.3	68.5-119		%REC	1	6/20/2008 5:44:45 PM
Surr: Toluene-d8	97.7	64-131		%REC	1	6/20/2008 5:44:45 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	420000	1.0		µmhos/cm	100	6/20/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	6.28	0.1		pH units	1	6/18/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

ASSAIGAI ANALYTICAL LABORATORIES, INC. A WOMAN OWNED SMALL BUSINESS
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Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0806253**
Order: **08060440 HAL03** Receipt: **06-17-08**

Tamara Pacheco for
William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0806253-01D EVAP POND 1*** Collected: *06-17-08 9:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	MA		
WCOD08024	WC.2008.1558.11	C-004	Chemical Oxygen Demand	1230	mg/L	1	10		06-23-08	06-24-08

Sample: ***0806253-01E EVAP POND 1*** Collected: *06-17-08 9:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	MJN		
BOD08069	WC.2008.1542.6	10-26-4	Biochemical Oxygen Demand	327	mg/L	1	4		06-18-08	06-23-08

Sample: ***0806253-02D EVAP POND 2*** Collected: *06-17-08 9:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-003A		**EPA 410.1 Chemical Oxygen Demand**					By:	MA		
WCOD08024	WC.2008.1558.12	C-004	Chemical Oxygen Demand	790	mg/L	1	10		06-23-08	06-24-08

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Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

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HALL ENVIRONMENTAL

Project: **0806253**

Order: **08060440** **HAL03** Receipt: **06-17-08**

Sample: ***0806253-02E EVAP POND 2*** Collected: *06-17-08 9:30:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-004A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08069	WC.2008.1542.7	10-26-4	Biochemical Oxygen Demand	110	mg/L	1	4		06-18-08	06-23-08

Sample: ***0806253-03D EVAP POND 3*** Collected: *06-17-08 9:45:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-005A		EPA 410.1 Chemical Oxygen Demand						By: MA		
WCOD08024	WC.2008.1558.13	C-004	Chemical Oxygen Demand	691	mg/L	1	10		06-23-08	06-24-08

Sample: ***0806253-03E EVAP POND 3*** Collected: *06-17-08 9:45:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-006A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08069	WC.2008.1542.8	10-26-4	Biochemical Oxygen Demand	96.9	mg/L	1	4		06-18-08	06-23-08

Sample: ***0806253-04D EVAP POND 4*** Collected: *06-17-08 10:00:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-007A		EPA 410.1 Chemical Oxygen Demand						By: MA		
WCOD08024	WC.2008.1558.14	C-004	Chemical Oxygen Demand	1110	mg/L	1	10		06-23-08	06-24-08

Sample: ***0806253-04E EVAP POND 4*** Collected: *06-17-08 10:00:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-008A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08069	WC.2008.1542.4	10-26-4	Biochemical Oxygen Demand	103	mg/L	1	4		06-18-08	06-23-08

Sample: ***0806253-05D EVAP POND 5*** Collected: *06-17-08 10:15:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08[illegible]40-009A		EPA 410.1 Chemical Oxygen Demand						By: MRA		
WCOD-08-025	WC.2008.1642.13	C-004	Chemical Oxygen Demand	578	mg/L	1	10		06-30-08	07-01-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

HALL ENVIRONMENTAL

Project: **0806253**

Order: **08060440** **HAL03** Receipt: **06-17-08**

Sample: ***0806253-05D EVAP POND 5*** Collected: *06-17-08 10:15:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date

Sample: ***0806253-05E EVAP POND 5*** Collected: *06-17-08 10:15:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-010A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08069	WC.2008.1542.9	10-26-4	Biochemical Oxygen Demand	Less than 128	mg/L	1	4		06-18-08	06-23-08

Sample: ***0806253-06D EVAP POND 6*** Collected: *06-17-08 10:30:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-011A		EPA 410.1 Chemical Oxygen Demand						By: MRA		
V 3-025	WC.2008.1642.14	C-004	Chemical Oxygen Demand	723	mg/L	1	10		06-30-08	07-01-08

Sample: ***0806253-06E EVAP POND 6*** Collected: *06-17-08 10:30:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-012A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08069	WC.2008.1542.10	10-26-4	Biochemical Oxygen Demand	Less than 128	mg/L	1	4		06-18-08	06-23-08

Sample: ***0806253-07D EVAP POND 7*** Collected: *06-17-08 10:45:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-013A		EPA 410.1 Chemical Oxygen Demand						By: MRA		
WCOD-08-025	WC.2008.1642.15	C-004	Chemical Oxygen Demand	4340	mg/L	10	10		06-30-08	07-01-08

Sample: ***0806253-07E EVAP POND 7*** Collected: *06-17-08 10:45:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-014A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08069	WC.2008.1542.11	10-26-4	Biochemical Oxygen Demand	17.7	mg/L	1	4		06-18-08	06-23-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

C HALL ENVIRONMENTAL
Project: 0806253
Order: 08060440 HAL03 Receipt: 06-17-08

Sample: *0806253-08D EVAP POND 8* Collected: *06-17-08 11:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-015A		EPA 410.1 Chemical Oxygen Demand						By: MRA		
WCOD-08-025	WC.2008.1642.16	C-004	Chemical Oxygen Demand	16100	mg/L	10	10		06-30-08	07-01-08

Sample: *0806253-08E EVAP POND 8* Collected: *06-17-08 11:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060440-016A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08069	WC.2008.1542.12	10-26-4	Biochemical Oxygen Demand	8.2	mg/L	1	4		06-18-08	06-23-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R28975**	Analysis Date:	6/18/2008 9:34:11 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29050**	Analysis Date:	6/23/2008 9:31:03 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29070**	Analysis Date:	6/24/2008 9:35:03 AM	
Fluoride	ND	mg/L	0.10						
[illegible]ride	ND	mg/L	0.10						
[illegible]gen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29260**	Analysis Date:	7/8/2008 10:01:21 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29274**	Analysis Date:	7/9/2008 10:30:30 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29287**	Analysis Date:	7/10/2008 9:32:37 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R28975**	Analysis Date:	6/18/2008 9:51:36 AM	
[illegible]ide	0.5113	mg/L	0.10	102	90	110			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: LCS		*LCS*			Batch ID:	**R28975**	Analysis Date:	6/18/2008 9:51:36 AM	
Chloride	5.173	mg/L	0.10	103	90	110			
Nitrogen, Nitrite (As N)	1.017	mg/L	0.10	102	90	110			
Nitrogen, Nitrate (As N)	2.659	mg/L	0.10	106	90	110			
Nitrate (As N)+Nitrite (As N)	3.676	mg/L	0.20	105	90	110			
Phosphorus, Orthophosphate (As P)	5.272	mg/L	0.50	105	90	110			
Sulfate	10.52	mg/L	0.50	105	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29050**	Analysis Date:	6/23/2008 9:48:28 AM	
Fluoride	0.5056	mg/L	0.10	101	90	110			
Chloride	5.056	mg/L	0.10	101	90	110			
Nitrogen, Nitrite (As N)	0.9889	mg/L	0.10	98.9	90	110			
Nitrogen, Nitrate (As N)	2.572	mg/L	0.10	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.561	mg/L	0.20	102	90	110			
Phosphorus, Orthophosphate (As P)	5.053	mg/L	0.50	101	90	110			
Sulfate	10.37	mg/L	0.50	104	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29070**	Analysis Date:	6/24/2008 9:52:27 AM	
Fluoride	0.5196	mg/L	0.10	104	90	110			
Chloride	4.905	mg/L	0.10	98.1	90	110			
[illegible]en, Nitrite (As N)	0.9733	mg/L	0.10	97.3	90	110			
[illegible]en, Nitrate (As N)	2.514	mg/L	0.10	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.488	mg/L	0.20	99.6	90	110			
Phosphorus, Orthophosphate (As P)	5.180	mg/L	0.50	104	90	110			
Sulfate	10.16	mg/L	0.50	102	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29260**	Analysis Date:	7/8/2008 10:18:45 AM	
Fluoride	0.4799	mg/L	0.10	96.0	90	110			
Chloride	4.892	mg/L	0.10	97.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.441	mg/L	0.20	98.3	90	110			
Phosphorus, Orthophosphate (As P)	4.802	mg/L	0.50	96.0	90	110			
Sulfate	9.948	mg/L	0.50	99.5	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29274**	Analysis Date:	7/9/2008 10:47:55 AM	
Fluoride	0.5367	mg/L	0.10	107	90	110			
Chloride	5.070	mg/L	0.10	101	90	110			
Nitrate (As N)+Nitrite (As N)	3.613	mg/L	0.20	103	90	110			
Phosphorus, Orthophosphate (As P)	5.286	mg/L	0.50	106	90	110			
Sulfate	10.40	mg/L	0.50	104	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29287**	Analysis Date:	7/10/2008 9:50:02 AM	
Fluoride	0.5277	mg/L	0.10	106	90	110			
Chloride	5.158	mg/L	0.10	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.550	mg/L	0.20	101	90	110			
Phosphorus, Orthophosphate (As P)	5.063	mg/L	0.50	101	90	110			
Sulfate	10.64	mg/L	0.50	106	90	110			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 7470: Mercury									
Sample ID: MB-16322		*MBLK*			Batch ID:	**16322**	Analysis Date:	6/25/2008 12:36:56 PM	
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-16322		*LCS*			Batch ID:	**16322**	Analysis Date:	6/25/2008 12:38:39 PM	
Mercury	0.005016	mg/L	0.00020	100	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/23/2008 2:14:35 PM	
Iron	ND	mg/L	0.050						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/25/2008 3:27:51 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Uranium	ND	mg/L	0.10						
[illegible]	ND	mg/L	0.020						
[illegible]ple ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/26/2008 5:08:50 PM	
Iron	ND	mg/L	0.050						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/27/2008 1:24:05 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Uranium	ND	mg/L	0.10						
Zinc	ND	mg/L	0.020						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/30/2008 2:45:45 PM	
Sodium	ND	mg/L	0.50						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	7/8/2008 3:49:54 PM	
Potassium	ND	mg/L	1.0						
Sample ID: LCS-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/23/2008 2:16:25 PM	
Iron	0.4720	mg/L	0.050	94.4	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/25/2008 3:33:36 PM	
Arsenic	0.4874	mg/L	0.020	97.5	80	120			
Barium	0.4479	mg/L	0.010	89.6	80	120			
Cadmium	0.4562	mg/L	0.0020	91.2	80	120			
Calcium	47.91	mg/L	0.50	95.8	80	120			
Chromium	0.4628	mg/L	0.0060	92.6	80	120			
Copper	0.4511	mg/L	0.0060	90.2	80	120			
Iron	0.4364	mg/L	0.050	87.3	80	120			
Lead	0.4563	mg/L	0.0050	91.3	80	120			
Magnesium	47.74	mg/L	0.50	95.5	80	120			
Manganese	0.4460	mg/L	0.0020	89.2	80	120			
Potassium	51.02	mg/L	1.0	102	80	120			
Selenium	0.4540	mg/L	0.050	90.8	80	120			
Silver	0.4547	mg/L	0.0050	90.9	80	120			
Sodium	50.61	mg/L	0.50	101	80	120			
Uranium	0.4752	mg/L	0.10	95.0	80	120			
Zinc	0.4534	mg/L	0.020	90.7	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/26/2008 5:13:58 PM	
Iron	0.4614	mg/L	0.050	92.3	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/27/2008 1:27:05 PM	
Arsenic	0.4687	mg/L	0.020	93.7	80	120			
Barium	0.4595	mg/L	0.010	91.9	80	120			
Cadmium	0.4656	mg/L	0.0020	93.1	80	120			
Calcium	47.52	mg/L	0.50	95.0	80	120			
Chromium	0.4626	mg/L	0.0060	92.5	80	120			
Copper	0.4819	mg/L	0.0060	96.4	80	120			
Iron	0.4513	mg/L	0.050	90.3	80	120			
Lead	0.4516	mg/L	0.0050	90.3	80	120			
Magnesium	48.47	mg/L	0.50	96.9	80	120			
Manganese	0.4593	mg/L	0.0020	91.9	80	120			
Selenium	0.4611	mg/L	0.050	92.2	80	120			
Silver	0.4727	mg/L	0.0050	94.5	80	120			
Sodium	51.31	mg/L	0.50	103	80	120			
Uranium	0.5153	mg/L	0.10	103	80	120			
Zinc	0.4409	mg/L	0.020	88.2	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/30/2008 2:47:57 PM	
Sodium	52.61	mg/L	0.50	105	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	7/8/2008 3:51:33 PM	
Potassium	52.86	mg/L	1.0	106	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Method: **EPA Method 8260B: VOLATILES**
Sample ID: **5ml rb** *MBLK* Batch ID: **R28995** Analysis Date: 6/19/2008 8:54:12 AM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R28995**	Analysis Date:	6/19/2008 8:54:12 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
·Trichloropropane	ND	µg/L	2.0						
yl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29026**	Analysis Date:	6/20/2008 8:32:36 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29026**	Analysis Date:	6/20/2008 8:32:36 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
chlorobutadiene	ND	µg/L	1.0						
Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29049**	Analysis Date:	6/23/2008 8:56:08 AM	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

.ent: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29049**	Analysis Date:	6/23/2008 8:56:08 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
on Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008
Work Order: 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29049**	Analysis Date:	6/23/2008 8:56:08 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
Trichloropropane	ND	µg/L	2.0						
l chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5mL rb		*MBLK*			Batch ID:	**R29104**	Analysis Date:	6/26/2008 7:49:20 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008 **Work Order:** 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5mL rb		*MBLK*			Batch ID:	**R29104**	Analysis Date:	6/26/2008 7:49:20 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R28995**	Analysis Date:	6/19/2008 9:52:08 AM	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Pond Water Samples 2nd Qtr 2008

Work Order: 0806253

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R28995**	Analysis Date:	6/19/2008 9:52:08 AM	
Benzene	21.08	µg/L	1.0	105	86.8	120			
Toluene	20.29	µg/L	1.0	101	64.1	127			
Chlorobenzene	20.88	µg/L	1.0	104	82.4	113			
1,1-Dichloroethene	24.61	µg/L	1.0	123	86.5	132			
Trichloroethene (TCE)	18.71	µg/L	1.0	93.5	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29026**	Analysis Date:	6/20/2008 9:59:20 AM	
Benzene	20.52	µg/L	1.0	103	86.8	120			
Toluene	20.36	µg/L	1.0	102	64.1	127			
Chlorobenzene	20.39	µg/L	1.0	102	82.4	113			
1,1-Dichloroethene	23.17	µg/L	1.0	116	86.5	132			
Trichloroethene (TCE)	18.34	µg/L	1.0	91.7	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29049**	Analysis Date:	6/23/2008 10:22:30 AM	
Benzene	21.14	µg/L	1.0	106	86.8	120			
Toluene	20.02	µg/L	1.0	100	64.1	127			
Chlorobenzene	20.05	µg/L	1.0	100	82.4	113			
1,1-Dichloroethene	24.19	µg/L	1.0	121	86.5	132			
Trichloroethene (TCE)	20.33	µg/L	1.0	102	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29104**	Analysis Date:	6/26/2008 8:55:06 AM	
Benzene	19.70	µg/L	1.0	98.5	86.8	120			
Toluene	18.02	µg/L	1.0	90.1	64.1	127			
Chlorobenzene	20.30	µg/L	1.0	102	82.4	113			
1,1-Dichloroethene	22.84	µg/L	1.0	114	86.5	132			
Trichloroethene (TCE)	17.90	µg/L	1.0	89.5	77.3	123			

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 6/17/2008

Work Order Number 0806253

Received by: AT

Checklist completed by: Signature Date 6/17/08

Sample ID labels checked by: Initials

Matrix:

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
er - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**15°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

ctive Action _____

Chain-of-Custody Record

Client: Western Refining Company - Gallup
Address: Route 3 Box 7
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: Evap. Pond Water Samples - 2nd Qtr. 2008
Project #:
Project Manager: Ed Riege
Sampler:
On Ice: X Yes ☐ No
Sample Temperature: 15

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Metals Total	BOD - COD	Gen. Chem.	E. coli - bacteria	Air Bubbles (Y or N)
6-17-08	0915	Evap. Pond 1			0806253										X		X	X	X	X	
	0930	Evap. Pond 2			-1										X		X	X	X	X	
	0945	Evap. Pond 3			-2										X		X	X	X	X	
	1000	Evap. Pond 4			-3										X		X	X	X	X	
	1015	Evap. Pond 5			-4										X		X	X	X	X	
	1030	Evap. Pond 6			-5										X		X	X	X	X	
	1045	Evap. Pond 7			-6										X		X	X	X	X	
	1100	Evap. Pond 8			-7										X		X	X	X	X	
					-8										X		X	X	X	X	

Date:	Time:	Relinquished by:	Received by:
6-17-08	1505	Steve Morris	6/17/08 1505
Date:	Time:	Relinquished by:	Received by:

Remarks: Gen. Chem. = Cations, anions, pH, and Conductivity

SCM

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, July 17, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0806405

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 6/26/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0806405	**Collection Date:**	6/26/2008 7:40:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	6/26/2008
Lab ID:	0806405-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/7/2008
2-Chlorophenol	ND	50		µg/L	1	7/7/2008
2,4-Dichlorophenol	ND	50		µg/L	1	7/7/2008
2,4-Dimethylphenol	200	50		µg/L	1	7/7/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	7/7/2008
2,4-Dinitrophenol	ND	100		µg/L	1	7/7/2008
2-Methylphenol	3500	500		µg/L	10	7/8/2008
3+4-Methylphenol	6200	500		µg/L	10	7/8/2008
2-Nitrophenol	ND	50		µg/L	1	7/7/2008
4-Nitrophenol	ND	50		µg/L	1	7/7/2008
Pentachlorophenol	ND	100		µg/L	1	7/7/2008
Phenol	16000	1000		µg/L	20	7/8/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/7/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/7/2008
Surr: 2,4,6-Tribromophenol	43.1	16.6-150		%REC	1	7/7/2008
Surr: 2-Fluorobiphenyl	57.8	19.6-134		%REC	1	7/7/2008
Surr: 2-Fluorophenol	49.1	9.54-113		%REC	1	7/7/2008
Surr: 4-Terphenyl-d14	65.3	22.7-145		%REC	1	7/7/2008
Surr: Nitrobenzene-d5	75.3	14.6-134		%REC	1	7/7/2008
Surr: Phenol-d5	18.7	10.7-80.3		%REC	1	7/7/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 Inlet
Lab Order:	0806405	**Collection Date:**	6/26/2008 7:56:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	6/26/2008
Lab ID:	0806405-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/7/2008
2-Chlorophenol	ND	50		µg/L	1	7/7/2008
2,4-Dichlorophenol	ND	50		µg/L	1	7/7/2008
2,4-Dimethylphenol	130	50		µg/L	1	7/7/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	7/7/2008
2,4-Dinitrophenol	ND	100		µg/L	1	7/7/2008
2-Methylphenol	700	50		µg/L	1	7/7/2008
3+4-Methylphenol	680	50		µg/L	1	7/7/2008
2-Nitrophenol	ND	50		µg/L	1	7/7/2008
4-Nitrophenol	ND	50		µg/L	1	7/7/2008
Pentachlorophenol	ND	100		µg/L	1	7/7/2008
Phenol	1900	250		µg/L	5	7/8/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/7/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/7/2008
Surr: 2,4,6-Tribromophenol	39.7	16.6-150		%REC	1	7/7/2008
Surr: 2-Fluorobiphenyl	43.7	19.6-134		%REC	1	7/7/2008
Surr: 2-Fluorophenol	23.6	9.54-113		%REC	1	7/7/2008
Surr: 4-Terphenyl-d14	44.4	22.7-145		%REC	1	7/7/2008
Surr: Nitrobenzene-d5	48.5	14.6-134		%REC	1	7/7/2008
Surr: Phenol-d5	16.4	10.7-80.3		%REC	1	7/7/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0806405	**Collection Date:**	6/26/2008 7:30:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	6/26/2008
Lab ID:	0806405-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/7/2008
2-Chlorophenol	ND	50		µg/L	1	7/7/2008
2,4-Dichlorophenol	ND	50		µg/L	1	7/7/2008
2,4-Dimethylphenol	220	50		µg/L	1	7/7/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	7/7/2008
2,4-Dinitrophenol	ND	100		µg/L	1	7/7/2008
2-Methylphenol	ND	50		µg/L	1	7/7/2008
3+4-Methylphenol	120	50		µg/L	1	7/7/2008
2-Nitrophenol	ND	50		µg/L	1	7/7/2008
4-Nitrophenol	ND	50		µg/L	1	7/7/2008
Pentachlorophenol	ND	100		µg/L	1	7/7/2008
Phenol	ND	50		µg/L	1	7/7/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/7/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/7/2008
Surr: 2,4,6-Tribromophenol	55.4	16.6-150		%REC	1	7/7/2008
Surr: 2-Fluorobiphenyl	66.6	19.6-134		%REC	1	7/7/2008
Surr: 2-Fluorophenol	54.5	9.54-113		%REC	1	7/7/2008
Surr: 4-Terphenyl-d14	61.0	22.7-145		%REC	1	7/7/2008
Surr: Nitrobenzene-d5	73.1	14.6-134		%REC	1	7/7/2008
Surr: Phenol-d5	37.8	10.7-80.3		%REC	1	7/7/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result Is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0806405**
Order: **08060725** **HAL03** Receipt: **06-27-08**

William P. Biava: President of Assalgai Analytical Laboratories, Inc.

Sample: ***0806405-01B AL-1 INLET*** Collected: *06-26-08 7:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060725-001A		EPA 410.1 Chemical Oxygen Demand					By:	MRA		
WCOD-08-026	WC.2008.1713.11	C-004	Chemical Oxygen Demand	1180	mg/L	1	10		07-08-08	07-09-08

Sample: ***0806405-01C AL-1 INLET*** Collected: *06-26-08 7:40:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060725-002A		EPA 405.1 Biochemical Oxygen Demand					By:	MJN		
BOD08074	WC.2008.1652.13	10-26-4	Biochemical Oxygen Demand	741	mg/L	1	4		06-27-08	07-02-08

Sample: *0806405-02B AL-2 INLET* Collected: *06-26-08 7:56:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060725-003A		EPA 410.1 Chemical Oxygen Demand					By:	MRA		
WCOD-08-026	WC.2008.1713.15	C-004	Chemical Oxygen Demand	4470	mg/L	1	10		07-08-08	07-09-08

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0806405
Order: 08060725 HAL03 Receipt: 06-27-08

Sample: *0806405-02C AL-2 INLET* Collected: *06-26-08 7:56:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060725-004A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08074	WC.2008.1652.14	10-26-4	Biochemical Oxygen Demand	1600	mg/L	1	4		06-27-08	07-02-08

Sample: *0806405-03B EP-1 INLET* Collected: *06-26-08 7:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060725-005A		EPA 410.1 Chemical Oxygen Demand						By: MRA		
WCOD-08-026	WC.2008.1713.16	C-004	Chemical Oxygen Demand	4000	mg/L	1	10		07-08-08	07-09-08

Sample: *0806405-03C EP-1 INLET* Collected: *06-26-08 7:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060725-006A		EPA 405.1 Biochemical Oxygen Demand						By: MJN		
BOD08074	WC.2008.1652.15	10-26-4	Biochemical Oxygen Demand	1756	mg/L	1	4		06-27-08	07-02-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1 **Work Order:** 0806405

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16371		*MBLK*			Batch ID:	16371	Analysis Date:		7/7/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
Carbazole	ND	µg/L	10						
4-Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	10						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	10						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1 **Work Order:** 0806405

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16371		*MBLK*			Batch ID:	16371	Analysis Date:		7/7/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16371		*LCS*			Batch ID:	16371	Analysis Date:		7/7/2008
Acenaphthene	61.84	µg/L	10	61.8	11	123			
4-Chloro-3-methylphenol	116.2	µg/L	10	58.1	15.4	119			
2-Chlorophenol	120.0	µg/L	10	60.0	12.2	122			
1,4-Dichlorobenzene	52.82	µg/L	10	52.8	16.9	100			
2,4-Dinitrotoluene	57.08	µg/L	10	57.1	13	138			
N-Nitrosodi-n-propylamine	58.18	µg/L	10	58.2	9.93	122			
4-Nitrophenol	71.94	µg/L	10	34.0	12.6	87.4			
Pentachlorophenol	135.3	µg/L	20	62.2	3.55	114			
Phenol	62.46	µg/L	10	31.2	7.53	73.1			
Pyrene	57.48	µg/L	10	57.5	12.6	140			
1,2,4-Trichlorobenzene	51.98	µg/L	10	52.0	17.4	98.7			
Sample ID: lcsd-16371		*LCSD*			Batch ID:	16371	Analysis Date:		7/7/2008
Acenaphthene	67.48	µg/L	10	67.5	11	123	8.72	30.5	
4-Chloro-3-methylphenol	123.8	µg/L	10	61.9	15.4	119	6.35	28.6	
2-Chlorophenol	129.9	µg/L	10	65.0	12.2	122	7.94	107	
1,4-Dichlorobenzene	58.52	µg/L	10	58.5	16.9	100	10.2	62.1	
2,4-Dinitrotoluene	64.32	µg/L	10	64.3	13	138	11.9	14.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1

Work Order: 0806405

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16371		*LCSD*			Batch ID:	16371	Analysis Date:		7/7/2008
N-Nitrosodi-n-propylamine	63.46	µg/L	10	63.5	9.93	122	8.68	30.3	
4-Nitrophenol	72.38	µg/L	10	34.2	12.5	87.4	0.610	36.3	
Pentachlorophenol	116.8	µg/L	20	53.0	3.55	114	14.7	49	
Phenol	71.54	µg/L	10	35.8	7.53	73.1	13.6	52.4	
Pyrene	60.50	µg/L	10	60.5	12.6	140	5.12	16.3	
1,2,4-Trichlorobenzene	57.28	µg/L	10	57.3	17.4	98.7	9.70	36.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 6/26/2008

Work Order Number 0806405

Received by: AT

Sample ID labels checked by: AS
Initials

Checklist completed by: [signature] 6/26/08
Signature Date

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	13°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action

Chain-of-Custody Record

Client: WESTERN REFINING
GALLUP REFINERY
Address: RT 3 BOX 9
GALLUP NM 87301
Phone #: 505 722 3227
email or Fax#: 505 722 3833
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush
Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAV RAJEN
Sampler: A. DORSEY
On Ice: ☒ Yes ☐ No
Sample Temperature: 15

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0806405	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
06/26/08	0740	AL-1 INLET	1/1000mL		-1												X				
06/26/08	0740	AL-1 INLET	1/500 mL	H_2SO_4	-1													X			
06/26/08	0740	AL-1 INLET	1/liter		-1														X		
06/26/08	0756	AL-2 INLET	1/1000mL		-2												X				
06/26/08	0756	AL-2 INLET	1/500 mL	H_2SO_4	-2													X			
06/26/08	0756	AL-2 INLET	1/liter		-2														X		
06/26/08	0730	EP-1 INLET	1/1000mL		-3												X				
06/26/08	0730	EP-1 INLET	1/500 mL	H_2SO_4	-3													X			
06/26/08	0730	EP-1 INLET	1/liter		-3														X		

Date:	Time:	Relinquished by:	Received by:
06/26/08	1235	[signature]	[signature] 6/26/08 1235
Date:	Time:	Relinquished by:	Received by:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, July 29, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: NAPIS

Order No.: 0807149

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 7/11/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *29-Jul-08*

CLIENT: Western Refining Southwest, Gallup
Project: NAPIS
Lab Order: 0807149

CASE NARRATIVE

Analytical Comments for METHOD 8015GRO_W, SAMPLE 0807149-02A: Elevated surrogate due to matrix interference. Analytical Comments for METHOD 8021BTEX_W, SAMPLE 0807149-02A: Surrogate elevated due to matrix interference.

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA1R-7-9-08
Lab Order:	0807149	**Collection Date:**	7/9/2008 1:30:00 PM
Project:	NAPIS	**Date Received:**	7/11/2008
Lab ID:	0807149-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/15/2008 2:48:29 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/15/2008 2:48:29 AM
Surr: DNOP	116	58-140		%REC	1	7/15/2008 2:48:29 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/17/2008 1:44:28 AM
Surr: BFB	87.9	79.2-121		%REC	1	7/17/2008 1:44:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	7/17/2008 1:44:28 AM
Benzene	ND	1.0		µg/L	1	7/17/2008 1:44:28 AM
Toluene	ND	1.0		µg/L	1	7/17/2008 1:44:28 AM
Ethylbenzene	ND	1.0		µg/L	1	7/17/2008 1:44:28 AM
Xylenes, Total	ND	2.0		µg/L	1	7/17/2008 1:44:28 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/17/2008 1:44:28 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/17/2008 1:44:28 AM
Surr: 4-Bromofluorobenzene	88.7	68.9-122		%REC	1	7/17/2008 1:44:28 AM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	1.4	0.10		mg/L	1	7/19/2008 3:48:51 AM
Chloride	180	1.0		mg/L	10	7/19/2008 4:06:16 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/19/2008 4:23:41 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/19/2008 3:48:51 AM
Sulfate	98	5.0		mg/L	10	7/19/2008 4:06:16 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Calcium	70	0.50		mg/L	1	7/22/2008 12:36:30 PM
Magnesium	12	0.50		mg/L	1	7/22/2008 12:36:30 PM
Potassium	2.1	1.0		mg/L	1	7/22/2008 12:36:30 PM
Sodium	430	5.0		mg/L	10	7/22/2008 2:33:52 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1900	0.010		µmhos/cm	1	7/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.27	0.1		pH units	1	7/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA2R-7-9-08
Lab Order:	0807149	**Collection Date:**	7/9/2008 1:45:00 PM
Project:	NAPIS	**Date Received:**	7/11/2008
Lab ID:	0807149-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	2.4	1.0		mg/L	1	7/15/2008 3:23:55 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/15/2008 3:23:55 AM
Surr: DNOP	129	58-140		%REC	1	7/15/2008 3:23:55 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.74	0.050		mg/L	1	7/17/2008 2:14:46 AM
Surr: BFB	163	79.2-121	S	%REC	1	7/17/2008 2:14:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	200	12		µg/L	5	7/22/2008 12:22:00 AM
Benzene	13	1.0		µg/L	1	7/17/2008 2:14:46 AM
Toluene	ND	1.0		µg/L	1	7/17/2008 2:14:46 AM
Ethylbenzene	11	1.0		µg/L	1	7/17/2008 2:14:46 AM
Xylenes, Total	5.6	2.0		µg/L	1	7/17/2008 2:14:46 AM
1,2,4-Trimethylbenzene	14	1.0		µg/L	1	7/17/2008 2:14:46 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/17/2008 2:14:46 AM
Surr: 4-Bromofluorobenzene	122	68.9-122		%REC	1	7/17/2008 2:14:46 AM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	1.1	0.10		mg/L	1	7/19/2008 4:41:05 AM
Chloride	270	1.0		mg/L	10	7/19/2008 4:58:30 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	7/19/2008 5:15:54 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/19/2008 4:41:05 AM
Sulfate	33	0.50		mg/L	1	7/19/2008 4:41:05 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Calcium	70	0.50		mg/L	1	7/22/2008 12:40:26 PM
Magnesium	13	0.50		mg/L	1	7/22/2008 12:40:26 PM
Potassium	ND	1.0		mg/L	1	7/22/2008 12:40:26 PM
Sodium	360	5.0		mg/L	10	7/22/2008 2:36:30 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	2000	0.010		µmhos/cm	1	7/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.18	0.1		pH units	1	7/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA3R-7-9-08
Lab Order:	0807149	**Collection Date:**	7/9/2008 2:00:00 PM
Project:	NAPIS	**Date Received:**	7/11/2008
Lab ID:	0807149-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	7/15/2008 3:59:21 AM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	7/15/2008 3:59:21 AM
Surr: DNOP	113	58-140		%REC	1	7/15/2008 3:59:21 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	7/17/2008 3:16:38 AM
Surr: BFB	95.8	79.2-121		%REC	1	7/17/2008 3:16:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	7/17/2008 3:16:38 AM
Benzene	ND	1.0		µg/L	1	7/17/2008 3:16:38 AM
Toluene	ND	1.0		µg/L	1	7/17/2008 3:16:38 AM
Ethylbenzene	ND	1.0		µg/L	1	7/17/2008 3:16:38 AM
Xylenes, Total	ND	2.0		µg/L	1	7/17/2008 3:16:38 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	7/17/2008 3:16:38 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	7/17/2008 3:16:38 AM
Surr: 4-Bromofluorobenzene	102	68.9-122		%REC	1	7/17/2008 3:16:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	0.46	0.10		mg/L	1	7/19/2008 5:33:19 AM
Chloride	1100	5.0		mg/L	50	7/21/2008 11:15:05 PM
Nitrate (As N)+Nitrite (As N)	9.1	1.0		mg/L	5	7/19/2008 6:08:07 AM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	7/19/2008 5:33:19 AM
Sulfate	270	5.0		mg/L	10	7/19/2008 5:50:43 AM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Calcium	65	0.50		mg/L	1	7/22/2008 12:45:58 PM
Magnesium	7.8	0.50		mg/L	1	7/22/2008 12:45:58 PM
Potassium	4.1	1.0		mg/L	1	7/22/2008 12:45:58 PM
Sodium	910	5.0		mg/L	10	7/22/2008 2:39:08 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	4200	0.010		µmhos/cm	1	7/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	8.29	0.1		pH units	1	7/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: NAPIS **Work Order:** 0807149

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R29396**	Analysis Date:	7/18/2008 10:24:17 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29420**	Analysis Date:	7/21/2008 10:11:47 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R29396**	Analysis Date:	7/18/2008 10:41:42 AM	
Fluoride	0.5479	mg/L	0.10	110	90	110			
Chloride	4.888	mg/L	0.10	97.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.459	mg/L	0.20	98.8	90	110			
Phosphorus, Orthophosphate (As P)	5.152	mg/L	0.50	103	90	110			
Sulfate	10.15	mg/L	0.50	101	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29420**	Analysis Date:	7/21/2008 10:29:11 AM	
Fluoride	0.5309	mg/L	0.10	106	90	110			
Chloride	4.923	mg/L	0.10	98.5	90	110			
Nitrate (As N)+Nitrite (As N)	3.535	mg/L	0.20	101	90	110			
Phosphorus, Orthophosphate (As P)	5.119	mg/L	0.50	102	90	110			
Sulfate	10.31	mg/L	0.50	103	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-16473		*MBLK*			Batch ID:	**16473**	Analysis Date:	7/14/2008 7:07:59 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-16473		*LCS*			Batch ID:	**16473**	Analysis Date:	7/14/2008 7:43:41 PM	
Diesel Range Organics (DRO)	4.589	mg/L	1.0	91.8	74	157			
Sample ID: LCSD-16473		*LCSD*			Batch ID:	**16473**	Analysis Date:	7/14/2008 8:19:21 PM	
Diesel Range Organics (DRO)	5.714	mg/L	1.0	114	74	157	21.8	23	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: NAPIS
Work Order: 0807149

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0807149-03A MSD		*MSD*			Batch ID:	**R29364**	Analysis Date:	7/17/2008 4:16:35 AM	
Gasoline Range Organics (GRO)	0.4500	mg/L	0.050	90.0	80	115	1.02	8.39	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29364**	Analysis Date:	7/16/2008 8:34:28 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29388**	Analysis Date:	7/17/2008 8:40:27 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R29364**	Analysis Date:	7/17/2008 4:46:35 AM	
Gasoline Range Organics (GRO)	0.4832	mg/L	0.050	96.6	80	115			
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R29388**	Analysis Date:	7/17/2008 11:35:31 PM	
Gasoline Range Organics (GRO)	0.4662	mg/L	0.050	93.2	80	115			
Sample ID: 0807149-03A MS		*MS*			Batch ID:	**R29364**	Analysis Date:	7/17/2008 3:46:38 AM	
Gasoline Range Organics (GRO)	0.4546	mg/L	0.050	90.9	80	115			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: NAPIS

Work Order: 0807149

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 0807149-03A MSD		*MSD*			Batch ID:	**R29364**	Analysis Date:	7/17/2008 4:16:35 AM	
Methyl tert-butyl ether (MTBE)	7.444	µg/L	2.5	88.9	51.2	138	0.429	28	
Benzene	6.054	µg/L	1.0	108	85.9	113	0.265	27	
Toluene	41.71	µg/L	1.0	104	86.4	113	0.507	19	
Ethylbenzene	8.308	µg/L	1.0	104	83.5	118	1.81	10	
Xylenes, Total	49.01	µg/L	2.0	94.3	83.4	122	1.08	13	
1,2,4-Trimethylbenzene	14.54	µg/L	1.0	86.6	83.5	115	2.75	21	
1,3,5-Trimethylbenzene	4.322	µg/L	1.0	92.0	85.2	113	2.24	10	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29364**	Analysis Date:	7/16/2008 8:34:28 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29388**	Analysis Date:	7/17/2008 8:40:27 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: b 32		*MBLK*			Batch ID:	**R29417**	Analysis Date:	7/21/2008 11:49:12 PM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R29364**	Analysis Date:	7/17/2008 5:46:32 AM	
Methyl tert-butyl ether (MTBE)	16.45	µg/L	2.5	82.3	51.2	138			
Benzene	19.79	µg/L	1.0	98.9	85.9	113			
Toluene	20.62	µg/L	1.0	103	86.4	113			
Ethylbenzene	20.31	µg/L	1.0	102	83.5	118			
Xylenes, Total	60.92	µg/L	2.0	102	83.4	122			
1,2,4-Trimethylbenzene	18.61	µg/L	1.0	93.1	83.5	115			
1,3,5-Trimethylbenzene	18.34	µg/L	1.0	91.7	85.2	113			
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R29388**	Analysis Date:	7/18/2008 12:05:29 AM	
Methyl tert-butyl ether (MTBE)	14.81	µg/L	2.5	74.0	51.2	138			
Benzene	19.36	µg/L	1.0	96.8	85.9	113			
Toluene	20.09	µg/L	1.0	100	86.4	113			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
roject: NAPIS

Work Order: 0807149

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R29388**	Analysis Date:	7/16/2008 12:05:29 AM	
Ethylbenzene	20.02	µg/L	1.0	100	83.5	118			
Xylenes, Total	60.00	µg/L	2.0	100	83.4	122			
1,2,4-Trimethylbenzene	19.27	µg/L	1.0	96.4	83.5	115			
1,3,5-Trimethylbenzene	18.74	µg/L	1.0	93.7	85.2	113			
Sample ID: 100NG BTEX ICV		*LCS*			Batch ID:	**R29417**	Analysis Date:	7/21/2008 10:49:01 PM	
Methyl tert-butyl ether (MTBE)	20.73	µg/L	2.5	104	51.2	138			
Benzene	21.12	µg/L	1.0	104	85.9	113			
Toluene	21.57	µg/L	1.0	108	86.4	113			
Ethylbenzene	21.66	µg/L	1.0	107	83.5	118			
Xylenes, Total	64.86	µg/L	2.0	107	83.4	122			
1,2,4-Trimethylbenzene	21.46	µg/L	1.0	106	83.5	115			
1,3,5-Trimethylbenzene	20.64	µg/L	1.0	103	85.2	113			
Sample ID: 0807149-03A MS		*MS*			Batch ID:	**R29364**	Analysis Date:	7/17/2008 3:46:38 AM	
Methyl tert-butyl ether (MTBE)	7.476	µg/L	2.5	89.3	51.2	138			
Benzene	6.038	µg/L	1.0	108	85.9	113			
Toluene	41.92	µg/L	1.0	105	86.4	113			
Ethylbenzene	8.460	µg/L	1.0	106	83.5	118			
Xylenes, Total[a]	49.54	µg/L	2.0	95.3	83.4	122			
Trimethylbenzene	14.95	µg/L	1.0	89.0	83.5	115			
,5-Trimethylbenzene	4.420	µg/L	1.0	94.0	85.2	113			
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16519		*MBLK*			Batch ID:	**16519**	Analysis Date:	7/22/2008 2:20:49 PM	
Calcium	ND	mg/L	0.50						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-16519		*LCS*			Batch ID:	**16519**	Analysis Date:	7/22/2008 12:27:25 PM	
Calcium	50.51	mg/L	0.50	101	80	120			
Magnesium	50.59	mg/L	0.50	101	80	120			
Potassium	51.78	mg/L	1.0	104	80	120			
Sodium	53.76	mg/L	0.50	108	80	120			

ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 7/11/2008

Work Order Number 0807149

Received by: TLS

Checklist completed by: Signature 7/11/08 Date

Sample ID labels checked by: Initials

Matrix: Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☐	No ☑		
ıter - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: per COR use collection times & ID's on bottles /AT 7/11/08

ɔrrective Action _____

Ch[illegible]-of-Custody Record

Client: Western Gallup Refinery
Address: Rt 3 Box 7 Gallup NM
Phone #:
email or Fax#:
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: NAPIS
Project #: NAPIS-7-9-08
Project Manager: Gaurav Rajen@wnr.com
Sampler: Raj + Chem 1
On Ice: ☒ Yes ☐ No
Sample Temperature: 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	GenChem				Air Bubbles (Y or N)
070908	1330	KA3R-7-9-08	3-VOA	HCL	0807149-1	X							X		X						
			3 VOA	HCL	-1	X		X													
			1-500	HNO3	-1											X					
			1-500	H_2SO_4	-1											X					
			1-500	None	-1											X					
	1345	KA2R-7-9-08	3-VOA	HCL	-2	X							X		X						
			3-VOA	HCL	-2			X													
			1-500	HNO3	-2											X					
			1-500	H_2SO_4	-2											X					
			1-500	None	-2											X					
	1400	KA4R-7-9-08	3-VOA	HCL	-3	X							X		X						
			3-VOA	HCL	-3			X													

Date:	Time:	Relinquished by:	Received by:	Date:	Time:	Relinquished by:	Received by:
7/1/08	1000	[signature]	[signature] 7/11/08 1020				

Remarks: GenChem - Cations, Anions, pH Conductivity
per RG 8021/GRO/DRO AT 7/11/08

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Page 1 of 2

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Client: Western

Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: NAPIS

Project #: NAPIS-7-9-08

Project Manager: Gaurav Rajen@wnr.com

Sampler: Rail + Chem 1

On Ice: X Yes ☐ No

Sample Temperature: 4°

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen-Chem				Air Bubbles (Y or N)
		3 AK 7/11/08																			
070908	1400	KANR-7-9-08	1-500	HNO3	0807149-3												X				
/	1400	/	/	H2SO4	-3												X				
	1400			none	-3												X				

Date:	Time:	Relinquished by:	Received by:	Date:	Time:
71008	1000			7/11/08	1220

Date:	Time:	Relinquished by:	Received by:

Remarks: Gen Chem - Cations, Anions, pH Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

GWM-1

COVER LETTER

Wednesday, July 30, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 Annual GWM-1

Order No.: 0807152

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 1 sample(s) on 7/11/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
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Hall Environmental Analysis Laboratory, Inc.

Date: *30-Jul-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0807152
Project: 2008 Annual
Lab ID: 0807152-01

Client Sample ID: GWM-1
Collection Date: 7/10/2008 8:45:00 AM
Date Received: 7/11/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.7	0.10		mg/L	1	7/12/2008 3:45:26 AM
Chloride	1800	10		mg/L	100	7/15/2008 11:11:19 AM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	7/15/2008 11:28:44 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	7/12/2008 3:45:26 AM
Sulfate	110	5.0		mg/L	10	7/12/2008 4:02:50 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	7/20/2008 4:46:18 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	0.070	0.020		mg/L	1	7/22/2008 5:42:14 PM
Barium	0.45	0.020		mg/L	1	7/22/2008 5:42:14 PM
Cadmium	ND	0.0020		mg/L	1	7/22/2008 5:42:14 PM
Calcium	350	10		mg/L	10	7/24/2008 10:04:31 AM
Chromium	ND	0.0060		mg/L	1	7/22/2008 5:42:14 PM
Copper	0.014	0.0060		mg/L	1	7/22/2008 5:42:14 PM
Iron	14	2.5		mg/L	50	7/22/2008 6:53:39 PM
Lead	0.010	0.0050		mg/L	1	7/22/2008 5:42:14 PM
Magnesium	81	1.0		mg/L	1	7/22/2008 5:42:14 PM
Manganese	3.6	0.020		mg/L	10	7/22/2008 6:50:51 PM
Potassium	3.3	1.0		mg/L	1	7/22/2008 5:42:14 PM
Selenium	ND	0.050		mg/L	1	7/22/2008 5:42:14 PM
Silver	ND	0.0050		mg/L	1	7/22/2008 5:42:14 PM
Sodium	1400	50		mg/L	50	7/24/2008 10:07:22 AM
Zinc	ND	0.050		mg/L	1	7/22/2008 5:42:14 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	7/21/2008
Acenaphthylene	ND	10		µg/L	1	7/21/2008
Aniline	ND	10		µg/L	1	7/21/2008
Anthracene	ND	10		µg/L	1	7/21/2008
Azobenzene	ND	10		µg/L	1	7/21/2008
Benz(a)anthracene	ND	10		µg/L	1	7/21/2008
Benzo(a)pyrene	ND	10		µg/L	1	7/21/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	7/21/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	7/21/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	7/21/2008
Benzoic acid	ND	20		µg/L	1	7/21/2008
Benzyl alcohol	ND	10		µg/L	1	7/21/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	7/21/2008
Bis(2-chloroethyl)ether	ND	10		µg/L	1	7/21/2008
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	7/21/2008

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- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
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EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	7/21/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	7/21/2008
Butyl benzyl phthalate	ND	10		µg/L	1	7/21/2008
Carbazole	ND	10		µg/L	1	7/21/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	7/21/2008
4-Chloroaniline	ND	10		µg/L	1	7/21/2008
2-Chloronaphthalene	ND	10		µg/L	1	7/21/2008
2-Chlorophenol	ND	10		µg/L	1	7/21/2008
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	7/21/2008
Chrysene	ND	10		µg/L	1	7/21/2008
Di-n-butyl phthalate	ND	10		µg/L	1	7/21/2008
Di-n-octyl phthalate	ND	10		µg/L	1	7/21/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	7/21/2008
Dibenzofuran	ND	10		µg/L	1	7/21/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	7/21/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	7/21/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	7/21/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	7/21/2008
Diethyl phthalate	ND	10		µg/L	1	7/21/2008
Dimethyl phthalate	ND	10		µg/L	1	7/21/2008
2,4-Dichlorophenol	ND	20		µg/L	1	7/21/2008
2,4-Dimethylphenol	28	10		µg/L	1	7/21/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	7/21/2008
2,4-Dinitrophenol	ND	20		µg/L	1	7/21/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	7/21/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	7/21/2008
Fluoranthene	ND	10		µg/L	1	7/21/2008
Fluorene	ND	10		µg/L	1	7/21/2008
Hexachlorobenzene	ND	10		µg/L	1	7/21/2008
Hexachlorobutadiene	ND	10		µg/L	1	7/21/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	7/21/2008
Hexachloroethane	ND	10		µg/L	1	7/21/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	7/21/2008
Isophorone	ND	10		µg/L	1	7/21/2008
2-Methylnaphthalene	ND	10		µg/L	1	7/21/2008
2-Methylphenol	ND	10		µg/L	1	7/21/2008
3+4-Methylphenol	ND	10		µg/L	1	7/21/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	7/21/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	7/21/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	7/21/2008
Naphthalene	ND	10		µg/L	1	7/21/2008
2-Nitroaniline	ND	10		µg/L	1	7/21/2008

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EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
3-Nitroaniline	ND	10		µg/L	1	7/21/2008
4-Nitroaniline	ND	10		µg/L	1	7/21/2008
Nitrobenzene	ND	10		µg/L	1	7/21/2008
2-Nitrophenol	ND	10		µg/L	1	7/21/2008
4-Nitrophenol	ND	10		µg/L	1	7/21/2008
Pentachlorophenol	ND	20		µg/L	1	7/21/2008
Phenanthrene	ND	10		µg/L	1	7/21/2008
Phenol	ND	10		µg/L	1	7/21/2008
Pyrene	ND	10		µg/L	1	7/21/2008
Pyridine	ND	10		µg/L	1	7/21/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	7/21/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	7/21/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	7/21/2008
Surr: 2,4,6-Tribromophenol	28.7	16.6-150		%REC	1	7/21/2008
Surr: 2-Fluorobiphenyl	29.0	19.6-134		%REC	1	7/21/2008
Surr: 2-Fluorophenol	20.9	9.54-113		%REC	1	7/21/2008
Surr: 4-Terphenyl-d14	29.2	22.7-145		%REC	1	7/21/2008
Surr: Nitrobenzene-d5	29.1	14.6-134		%REC	1	7/21/2008
Surr: Phenol-d5	14.9	10.7-80.3		%REC	1	7/21/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	11	2.0		µg/L /1000 mg/L	2	7/15/2008 4:19:28 PM
Toluene	2.1	2.0		µg/L	2	7/15/2008 4:19:28 PM
Ethylbenzene	3.9	2.0		µg/L	2	7/15/2008 4:19:28 PM
Methyl tert-butyl ether (MTBE)	120	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2,4-Trimethylbenzene	4.6	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,3,5-Trimethylbenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2-Dichloroethane (EDC)	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2-Dibromoethane (EDB)	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Naphthalene	ND	4.0		µg/L	2	7/15/2008 4:19:28 PM
1-Methylnaphthalene	ND	8.0		µg/L	2	7/15/2008 4:19:28 PM
2-Methylnaphthalene	ND	8.0		µg/L	2	7/15/2008 4:19:28 PM
Acetone	ND	20		µg/L	2	7/15/2008 4:19:28 PM
Bromobenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Bromodichloromethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Bromoform	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Bromomethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
2-Butanone	ND	20		µg/L	2	7/15/2008 4:19:28 PM
Carbon disulfide	ND	20		µg/L	2	7/15/2008 4:19:28 PM
Carbon Tetrachloride	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Chlorobenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Chloroethane	ND	4.0		µg/L	2	7/15/2008 4:19:28 PM

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Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroform	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Chloromethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
2-Chlorotoluene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
4-Chlorotoluene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
cis-1,2-DCE	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
cis-1,3-Dichloropropene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2-Dibromo-3-chloropropane	ND	4.0		µg/L	2	7/15/2008 4:19:28 PM
Dibromochloromethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Dibromomethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2-Dichlorobenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,3-Dichlorobenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,4-Dichlorobenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Dichlorodifluoromethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,1-Dichloroethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,1-Dichloroethene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2-Dichloropropane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,3-Dichloropropane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
2,2-Dichloropropane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,1-Dichloropropene	ND	4.0		µg/L	2	7/15/2008 4:19:28 PM
Hexachlorobutadiene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
2-Hexanone	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Isopropylbenzene	ND	20		µg/L	2	7/15/2008 4:19:28 PM
4-Isopropyltoluene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
4-Methyl-2-pentanone	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Methylene Chloride	ND	20		µg/L	2	7/15/2008 4:19:28 PM
n-Butylbenzene	ND	6.0		µg/L	2	7/15/2008 4:19:28 PM
n-Propylbenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
sec-Butylbenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Styrene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
tert-Butylbenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,1,1,2-Tetrachloroethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Tetrachloroethene (PCE)	ND	4.0		µg/L	2	7/15/2008 4:19:28 PM
trans-1,2-DCE	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
trans-1,3-Dichloropropene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2,3-Trichlorobenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2,4-Trichlorobenzene	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,1,1-Trichloroethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,1,2-Trichloroethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Trichloroethene (TCE)	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Trichlorofluoromethane	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
1,2,3-Trichloropropane	ND	4.0		µg/L	2	7/15/2008 4:19:28 PM

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EPA METHOD 8260B: VOLATILES						Analyst: HL
Vinyl chloride	ND	2.0		µg/L	2	7/15/2008 4:19:28 PM
Xylenes, Total	19	3.0		µg/L	2	7/15/2008 4:19:28 PM
Surr: 1,2-Dichloroethane-d4	93.8	68.1-123		%REC	2	7/15/2008 4:19:28 PM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	2	7/15/2008 4:19:28 PM
Surr: Dibromofluoromethane	102	68.5-119		%REC	2	7/15/2008 4:19:28 PM
Surr: Toluene-d8	87.2	64-131		%REC	2	7/15/2008 4:19:28 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	7400	0.010		µmhos/cm	1	7/14/2008
SM4500-H+B: PH						Analyst: KMS
pH	6.92	0.1		pH units	1	7/12/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

lient: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R29305**	Analysis Date:	7/11/2008 9:11:11 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29359**	Analysis Date:	7/15/2008 9:44:16 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R29305**	Analysis Date:	7/11/2008 9:28:36 AM	
Fluoride	0.4940	mg/L	0.10	98.8	90	110			
Chloride	5.159	mg/L	0.10	103	90	110			
Nitrate (As N)+Nitrite (As N)	3.606	mg/L	0.20	103	90	110			
Phosphorus, Orthophosphate (As P)	4.934	mg/L	0.50	98.7	90	110			
Sulfate	10.55	mg/L	0.50	106	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29359**	Analysis Date:	7/15/2008 10:01:41 AM	
Fluoride	0.4897	mg/L	0.10	97.9	90	110			
Chloride	5.207	mg/L	0.10	104	90	110			
Nitrate (As N)+Nitrite (As N)	3.573	mg/L	0.20	102	90	110			
Phosphorus, Orthophosphate (As P)	5.076	mg/L	0.50	102	90	110			
Sulfate	10.65	mg/L	0.50	107	90	110			

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S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual
Work Order: 0807152

Method: EPA Method 8270C: Semivolatiles
Sample ID: mb-16470 *MBLK* Batch ID: 16470 Analysis Date: 7/21/2008

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
[illegible]bazole	ND	µg/L	10						
[illegible]-Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

lient: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16470		*MBLK*			Batch ID:	16470	Analysis Date:		7/21/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
ntachlorophenol	ND	µg/L	20						
enanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16470		*LCS*			Batch ID:	16470	Analysis Date:		7/21/2008
Acenaphthene	43.40	µg/L	10	43.4	11	123			
4-Chloro-3-methylphenol	73.82	µg/L	10	36.9	15.4	119			
2-Chlorophenol	73.04	µg/L	10	36.5	12.2	122			
1,4-Dichlorobenzene	35.34	µg/L	10	35.3	16.9	100			
2,4-Dinitrotoluene	40.60	µg/L	10	40.6	13	138			
N-Nitrosodi-n-propylamine	42.92	µg/L	10	42.9	9.93	122			
4-Nitrophenol	43.74	µg/L	10	21.9	12.5	87.4			
Pentachlorophenol	98.08	µg/L	20	42.4	3.55	114			
Phenol	40.52	µg/L	10	20.3	7.53	73.1			
Pyrene	41.66	µg/L	10	41.7	12.6	140			
1,2,4-Trichlorobenzene	33.76	µg/L	10	33.8	17.4	98.7			
Sample ID: lcsd-16470		*LCSD*			Batch ID:	16470	Analysis Date:		7/21/2008
Acenaphthene	54.48	µg/L	10	54.5	11	123	22.6	30.5	
4-Chloro-3-methylphenol	95.40	µg/L	10	47.7	15.4	119	25.5	28.6	
2-Chlorophenol	94.42	µg/L	10	47.2	12.2	122	25.5	107	
1,4-Dichlorobenzene	46.88	µg/L	10	46.9	16.9	100	28.1	62.1	
Dinitrotoluene	53.26	µg/L	10	53.3	13	138	27.0	14.7	R

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16470		*LCSD*			Batch ID:	**16470**	Analysis Date:		7/21/2008
N-Nitrosodi-n-propylamine	59.78	µg/L	10	59.8	9.93	122	32.8	30.3	R
4-Nitrophenol	53.64	µg/L	10	26.8	12.5	87.4	20.3	36.3	
Pentachlorophenol	128.0	µg/L	20	57.4	3.55	114	26.5	49	
Phenol	51.24	µg/L	10	25.6	7.53	73.1	23.4	52.4	
Pyrene	52.74	µg/L	10	52.7	12.6	140	23.5	16.3	R
1,2,4-Trichlorobenzene	46.44	µg/L	10	46.4	17.4	98.7	31.6	36.4	
Method: EPA Method 7470: Mercury									
Sample ID: MB-16525		*MBLK*			Batch ID:	**16525**	Analysis Date:		7/20/2008 4:23:03 PM
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-16525		*LCS*			Batch ID:	**16525**	Analysis Date:		7/20/2008 4:24:47 PM
Mercury	0.005159	mg/L	0.00020	102	80	120			

...ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16544		*MBLK*			Batch ID:	**16544**	Analysis Date:	7/22/2008 4:50:05 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Zinc	ND	mg/L	0.020						
Sample ID: LCS-16544		*LCS*			Batch ID:	**16544**	Analysis Date:	7/22/2008 4:53:07 PM	
Arsenic	0.4959	mg/L	0.020	99.2	80	120			
Barium	0.4694	mg/L	0.010	93.9	80	120			
mium	0.4924	mg/L	0.0020	98.5	80	120			
alcium	48.76	mg/L	0.50	97.5	80	120			
Chromium	0.4869	mg/L	0.0060	97.4	80	120			
Copper	0.4825	mg/L	0.0060	96.5	80	120			
Iron	0.4789	mg/L	0.050	95.8	80	120			
Lead	0.4890	mg/L	0.0050	97.8	80	120			
Magnesium	49.17	mg/L	0.50	98.3	80	120			
Manganese	0.4689	mg/L	0.0020	93.8	80	120			
Potassium	51.30	mg/L	1.0	103	80	120			
Selenium	0.4865	mg/L	0.050	97.3	80	120			
Silver	0.4815	mg/L	0.0050	96.3	80	120			
Sodium	52.01	mg/L	0.50	104	80	120			
Zinc	0.4709	mg/L	0.020	94.2	80	120			

alifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

lent: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R29315**		Analysis Date:	7/14/2008 9:21:03 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
›on Tetrachloride	ND	µg/L	1.0						
..orobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R29315**		Analysis Date:	7/14/2008 9:21:03 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0						
Tetrachloroethene (PCE)	ND	µg/L	2.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
[illegible]-Trichloropropane	ND	µg/L	2.0						
[illegible] chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID: **R29356**		Analysis Date:	7/15/2008 10:01:29 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

lent: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R29356**		Analysis Date:	7/15/2008 10:01:29 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
achlorobutadiene	ND	µg/L	1.0						
Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b5		*MBLK*			Batch ID: **R29356**		Analysis Date:	7/16/2008 12:32:55 AM	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual

Work Order: 0807152

Method: EPA Method 8260B: VOLATILES
Sample ID: b5 *MBLK* Batch ID: R29356 Analysis Date: 7/16/2008 12:32:55 AM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
...on Tetrachloride	ND	µg/L	1.0						
...robenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

Q...iers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
rroject: 2008 Annual

Work Order: 0807152

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b5		*MBLK*							
				Batch ID:	R29356	Analysis Date:	7/16/2008 12:32:55 AM		
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	1.0						
Tetrachloroethene (PCE)	ND	µg/L	2.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
3-Trichloropropane	ND	µg/L	1.0						
chloride	ND	µg/L	2.0						
Xylenes, Total	ND	µg/L	1.0						
Sample ID: 100ng lcs		*LCS*							
				Batch ID:	R29315	Analysis Date:	7/14/2008 10:18:33 AM		
Benzene	20.84	µg/L	1.0	104	86.8	120			
Toluene	20.48	µg/L	1.0	102	64.1	127			
Chlorobenzene	21.79	µg/L	1.0	109	82.4	113			
1,1-Dichloroethene	24.10	µg/L	1.0	121	86.5	132			
Trichloroethene (TCE)	19.80	µg/L	1.0	99.0	77.3	123			
Sample ID: 100ng lcs		*LCS*							
				Batch ID:	R29356	Analysis Date:	7/15/2008 10:58:51 AM		
Benzene	20.91	µg/L	1.0	105	86.8	120			
Toluene	19.86	µg/L	1.0	99.3	64.1	127			
Chlorobenzene	22.46	µg/L	1.0	112	82.4	113			
1,1-Dichloroethene	25.35	µg/L	1.0	127	86.5	132			
richloroethene (TCE)	20.13	µg/L	1.0	101	77.3	123			
ample ID: 100ng lcs		*LCS*							
				Batch ID:	R29356	Analysis Date:	7/16/2008 1:30:14 AM		
enzene	20.55	µg/L	1.0	103	86.8	120			
luene	20.08	µg/L	1.0	100	64.1	127			
lorobenzene	23.08	µg/L	1.0	115	82.4	113			
l-Dichloroethene	24.01	µg/L	1.0	120	86.5	132			S
chloroethene (TCE)	20.05	µg/L	1.0	100	77.3	123			

Qualifiers:

Value above quantitation range
Analyte detected below quantitation limits
RPD outside accepted recovery limits

H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Work Order Number 0807152

Date Received: 7/11/2008

Received by: TLS

Checklist completed by: Signature 7/11/08 Date

Sample ID labels checked by: AT Initials

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace? No VOA vials submitted ☐		Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	4°	<6° C Acceptable If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: added 3 mls HNO3 to 2 x 500 HNO3 bottles for acceptable pH/ AT 7/11/08

Corrective Action _____

Chain of Custody Record

Client: Western Refining Gallup Refining
Address: Rt 3 Box 7 Gallup, NM
Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☑ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: 2008 Annual
Project #: GWM-1 Annual
Project Manager: ~~Geo~~ Gaurav Rajen@wnr.com
Sampler: Cheryl Johnson
On Ice: X Yes ☐ No
Sample Temperature: 4°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem	Metals w/QC Totals			Air Bubbles (Y or N)
71008	0845	GWM-1	1/500ml	HNO_3	0807152-1												X				
			1/500	HNO_3														X			
			1/500ml	H_2SO_4													X				
			3/VOA	HCL																	
			1L Amber	none										X							
			1/500ml	none	-1										X						
																X					

Date:	Time:	Relinquished by:	Received by:	Date:	Time:
71008	0945	[signature]	[signature]	7/11/08	1220
Date:	Time:	Relinquished by:	Received by:		

Remarks: GEN CHEM - Cations, Anions pH, Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, July 11, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: OCD Quarterly Water Samples 2 QTR 2008

Order No.: 0806260

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 6/17/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:30:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	140	3.0		mg/L	1	6/19/2008 4:42:38 PM
Motor Oil Range Organics (MRO)	17	15		mg/L	1	6/19/2008 4:42:38 PM
Surr: DNOP	85.2	58-140		%REC	1	6/19/2008 4:42:38 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	1.4	1.0		mg/L	20	6/27/2008 9:43:06 PM
Surr: BFB	96.9	79.2-121		%REC	20	6/27/2008 9:43:06 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	0.00076	0.00020		mg/L	1	6/25/2008 12:58:09 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	6/27/2008 3:13:20 PM
Barium	0.14	0.010		mg/L	1	6/27/2008 3:13:20 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2008 3:13:20 PM
Chromium	0.013	0.0060		mg/L	1	6/27/2008 3:13:20 PM
Copper	0.015	0.0060		mg/L	1	6/27/2008 3:13:20 PM
Iron	9.0	0.50		mg/L	10	6/30/2008 5:31:35 PM
Lead	0.0057	0.0050		mg/L	1	6/27/2008 3:13:20 PM
Manganese	0.13	0.0020		mg/L	1	6/27/2008 3:13:20 PM
Selenium	ND	0.050		mg/L	1	6/27/2008 3:13:20 PM
Silver	ND	0.0050		mg/L	1	6/27/2008 3:13:20 PM
Zinc	1.6	0.20		mg/L	10	6/30/2008 5:31:35 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Toluene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Ethylbenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2,4-Trimethylbenzene	39	20		µg/L	20	6/21/2008 12:59:46 AM
1,3,5-Trimethylbenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Naphthalene	51	40		µg/L	20	6/21/2008 12:59:46 AM
1-Methylnaphthalene	180	80		µg/L	20	6/26/2008 7:52:46 PM
2-Methylnaphthalene	260	80		µg/L	20	6/26/2008 7:52:46 PM
Acetone	3800	200		µg/L	20	6/21/2008 12:59:46 AM
Bromobenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Bromodichloromethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Bromoform	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Bromomethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
2-Butanone	350	200		µg/L	20	6/21/2008 12:59:46 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:30:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	200		µg/L	20	6/21/2008 12:59:46 AM
Carbon Tetrachloride	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Chlorobenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Chloroethane	ND	40		µg/L	20	6/21/2008 12:59:46 AM
Chloroform	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Chloromethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
2-Chlorotoluene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
4-Chlorotoluene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
cis-1,2-DCE	ND	20		µg/L	20	6/21/2008 12:59:46 AM
cis-1,3-Dichloropropene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	6/21/2008 12:59:46 AM
Dibromochloromethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Dibromomethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2-Dichlorobenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,3-Dichlorobenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,4-Dichlorobenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Dichlorodifluoromethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,1-Dichloroethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,1-Dichloroethene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2-Dichloropropane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,3-Dichloropropane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
2,2-Dichloropropane	ND	40		µg/L	20	6/21/2008 12:59:46 AM
1,1-Dichloropropene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Hexachlorobutadiene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
2-Hexanone	ND	200		µg/L	20	6/21/2008 12:59:46 AM
Isopropylbenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
4-Isopropyltoluene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
4-Methyl-2-pentanone	ND	200		µg/L	20	6/21/2008 12:59:46 AM
Methylene Chloride	ND	60		µg/L	20	6/21/2008 12:59:46 AM
n-Butylbenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
n-Propylbenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
sec-Butylbenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Styrene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
tert-Butylbenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	6/21/2008 12:59:46 AM
Tetrachloroethene (PCE)	ND	20		µg/L	20	6/21/2008 12:59:46 AM
trans-1,2-DCE	ND	20		µg/L	20	6/21/2008 12:59:46 AM
trans-1,3-Dichloropropene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	6/26/2008 7:52:46 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,1,1-Trichloroethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:30:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,2-Trichloroethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Trichloroethene (TCE)	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Trichlorofluoromethane	ND	20		µg/L	20	6/21/2008 12:59:46 AM
1,2,3-Trichloropropane	ND	40		µg/L	20	6/21/2008 12:59:46 AM
Vinyl chloride	ND	20		µg/L	20	6/21/2008 12:59:46 AM
Xylenes, Total	ND	30		µg/L	20	6/21/2008 12:59:46 AM
Surr: 1,2-Dichloroethane-d4	91.3	68.1-123		%REC	20	6/21/2008 12:59:46 AM
Surr: 4-Bromofluorobenzene	100	53.2-145		%REC	20	6/21/2008 12:59:46 AM
Surr: Dibromofluoromethane	96.7	68.5-119		%REC	20	6/21/2008 12:59:46 AM
Surr: Toluene-d8	95.6	64-131		%REC	20	6/21/2008 12:59:46 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:45:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	140	3.0		mg/L	1	6/19/2008 5:17:35 PM
Motor Oil Range Organics (MRO)	17	15		mg/L	1	6/19/2008 5:17:35 PM
Surr: DNOP	105	58-140		%REC	1	6/19/2008 5:17:35 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2.7	1.0		mg/L	20	6/27/2008 10:15:43 PM
Surr: BFB	106	79.2-121		%REC	20	6/27/2008 10:15:43 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/24/2008
2-Chlorophenol	ND	50		µg/L	1	6/24/2008
2,4-Dichlorophenol	ND	50		µg/L	1	6/24/2008
2,4-Dimethylphenol	130	50		µg/L	1	6/24/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	6/24/2008
2,4-Dinitrophenol	ND	100		µg/L	1	6/24/2008
2-Methylphenol	370	50		µg/L	1	6/24/2008
3+4-Methylphenol	400	50		µg/L	1	6/24/2008
2-Nitrophenol	ND	50		µg/L	1	6/24/2008
4-Nitrophenol	ND	50		µg/L	1	6/24/2008
Pentachlorophenol	ND	100		µg/L	1	6/24/2008
Phenol	1200	50		µg/L	1	6/24/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/24/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/24/2008
Surr: 2,4,6-Tribromophenol	52.9	16.6-150		%REC	1	6/24/2008
Surr: 2-Fluorobiphenyl	64.9	19.6-134		%REC	1	6/24/2008
Surr: 2-Fluorophenol	38.7	9.54-113		%REC	1	6/24/2008
Surr: 4-Terphenyl-d14	50.9	22.7-145		%REC	1	6/24/2008
Surr: Nitrobenzene-d5	73.6	14.6-134		%REC	1	6/24/2008
Surr: Phenol-d5	33.8	10.7-80.3		%REC	1	6/24/2008
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Toluene	12	10		µg/L	10	6/21/2008 1:30:02 AM
Ethylbenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2,4-Trimethylbenzene	33	10		µg/L	10	6/21/2008 1:30:02 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Naphthalene	53	20		µg/L	10	6/21/2008 1:30:02 AM
1-Methylnaphthalene	87	40		µg/L	10	6/26/2008 8:22:42 PM
2-Methylnaphthalene	130	40		µg/L	10	6/26/2008 8:22:42 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:45:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Acetone	1600	1000		µg/L	100	6/20/2008 2:34:35 AM
Bromobenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Bromodichloromethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Bromoform	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Bromomethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
2-Butanone	320	100		µg/L	10	6/21/2008 1:30:02 AM
Carbon disulfide	ND	100		µg/L	10	6/21/2008 1:30:02 AM
Carbon Tetrachloride	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Chlorobenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Chloroethane	ND	20		µg/L	10	6/21/2008 1:30:02 AM
Chloroform	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Chloromethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
2-Chlorotoluene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
4-Chlorotoluene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
cis-1,2-DCE	ND	10		µg/L	10	6/21/2008 1:30:02 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	6/21/2008 1:30:02 AM
Dibromochloromethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Dibromomethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Dichlorodifluoromethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,1-Dichloroethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,1-Dichloroethene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2-Dichloropropane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,3-Dichloropropane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
2,2-Dichloropropane	ND	20		µg/L	10	6/21/2008 1:30:02 AM
1,1-Dichloropropene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Hexachlorobutadiene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
2-Hexanone	ND	100		µg/L	10	6/21/2008 1:30:02 AM
Isopropylbenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
4-Isopropyltoluene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	6/21/2008 1:30:02 AM
Methylene Chloride	ND	30		µg/L	10	6/21/2008 1:30:02 AM
n-Butylbenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
n-Propylbenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
sec-Butylbenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Styrene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
tert-Butylbenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	6/21/2008 1:30:02 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:45:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Tetrachloroethene (PCE)	ND	10		µg/L	10	6/21/2008 1:30:02 AM
trans-1,2-DCE	ND	10		µg/L	10	6/21/2008 1:30:02 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	6/26/2008 8:22:42 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Trichloroethene (TCE)	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Trichlorofluoromethane	ND	10		µg/L	10	6/21/2008 1:30:02 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	6/21/2008 1:30:02 AM
Vinyl chloride	ND	10		µg/L	10	6/21/2008 1:30:02 AM
Xylenes, Total	24	15		µg/L	10	6/21/2008 1:30:02 AM
Surr: 1,2-Dichloroethane-d4	94.7	68.1-123		%REC	10	6/21/2008 1:30:02 AM
Surr: 4-Bromofluorobenzene	93.4	53.2-145		%REC	10	6/21/2008 1:30:02 AM
Surr: Dibromofluoromethane	101	68.5-119		%REC	10	6/21/2008 1:30:02 AM
Surr: Toluene-d8	94.7	64-131		%REC	10	6/21/2008 1:30:02 AM
SM4500-H+B: PH						Analyst: **KMS**
pH	7.43	0.1		pH units	1	6/19/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:00:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	5.4	3.0		mg/L	1	6/19/2008 5:52:32 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	6/19/2008 5:52:32 PM
Surr: DNOP	105	58-140		%REC	1	6/19/2008 5:52:32 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	0.078	0.050		mg/L	1	6/27/2008 5:06:39 PM
Surr: BFB	97.6	79.2-121		%REC	1	6/27/2008 5:06:39 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 12:59:56 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	6/27/2008 3:17:14 PM
Barium	0.019	0.010		mg/L	1	6/27/2008 3:17:14 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2008 3:17:14 PM
Chromium	ND	0.0060		mg/L	1	6/27/2008 3:17:14 PM
Copper	0.012	0.0060		mg/L	1	6/27/2008 3:17:14 PM
Iron	0.44	0.050		mg/L	1	6/27/2008 3:17:14 PM
Lead	ND	0.0050		mg/L	1	6/27/2008 3:17:14 PM
Manganese	0.10	0.0020		mg/L	1	6/27/2008 3:17:14 PM
Selenium	ND	0.050		mg/L	1	6/27/2008 3:17:14 PM
Silver	ND	0.0050		mg/L	1	6/27/2008 3:17:14 PM
Zinc	0.043	0.020		mg/L	1	6/27/2008 3:17:14 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Toluene	6.2	1.0		µg/L	1	6/23/2008 4:28:29 PM
Ethylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Naphthalene	ND	2.0		µg/L	1	6/23/2008 4:28:29 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	6/23/2008 4:28:29 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	6/23/2008 4:28:29 PM
Acetone	78	10		µg/L	1	6/23/2008 4:28:29 PM
Bromobenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Bromodichloromethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Bromoform	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Bromomethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
2-Butanone	10	10		µg/L	1	6/23/2008 4:28:29 PM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:00:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Carbon disulfide	ND	10		µg/L	1	6/23/2008 4:28:29 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Chlorobenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Chloroethane	ND	2.0		µg/L	1	6/23/2008 4:28:29 PM
Chloroform	4.4	1.0		µg/L	1	6/23/2008 4:28:29 PM
Chloromethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
2-Chlorotoluene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
4-Chlorotoluene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
cis-1,2-DCE	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	6/23/2008 4:28:29 PM
Dibromochloromethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Dibromomethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,4-Dichlorobenzene	1.8	1.0		µg/L	1	6/23/2008 4:28:29 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	6/23/2008 4:28:29 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
2-Hexanone	ND	10		µg/L	1	6/23/2008 4:28:29 PM
Isopropylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	6/23/2008 4:28:29 PM
Methylene Chloride	ND	3.0		µg/L	1	6/23/2008 4:28:29 PM
n-Butylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
n-Propylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
sec-Butylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Styrene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
tert-Butylbenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	6/23/2008 4:28:29 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
trans-1,2-DCE	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:00:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,2-Trichloroethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	6/23/2008 4:28:29 PM
Vinyl chloride	ND	1.0		µg/L	1	6/23/2008 4:28:29 PM
Xylenes, Total	ND	1.5		µg/L	1	6/23/2008 4:28:29 PM
Surr: 1,2-Dichloroethane-d4	93.8	68.1-123		%REC	1	6/23/2008 4:28:29 PM
Surr: 4-Bromofluorobenzene	100	53.2-145		%REC	1	6/23/2008 4:28:29 PM
Surr: Dibromofluoromethane	99.1	68.5-119		%REC	1	6/23/2008 4:28:29 PM
Surr: Toluene-d8	99.0	64-131		%REC	1	6/23/2008 4:28:29 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:15:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	44	3.0		mg/L	1	6/19/2008 6:27:34 PM
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	6/19/2008 6:27:34 PM
Surr: DNOP	90.9	58-140		%REC	1	6/19/2008 6:27:34 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	11	2.5		mg/L	50	6/27/2008 6:09:29 PM
Surr: BFB	96.3	79.2-121		%REC	50	6/27/2008 6:09:29 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	19	1.0		mg/L	10	6/19/2008 1:31:43 AM
Chloride	93	1.0		mg/L	10	6/19/2008 1:31:43 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	6/19/2008 1:31:43 AM
Nitrogen, Nitrate (As N)	3.4	1.0		mg/L	10	6/19/2008 1:31:43 AM
Phosphorus, Orthophosphate (As P)	37	5.0		mg/L	10	6/19/2008 1:31:43 AM
Sulfate	630	5.0		mg/L	10	6/19/2008 1:31:43 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 1:01:44 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	6/27/2008 3:21:22 PM
Barium	0.081	0.010		mg/L	1	6/27/2008 3:21:22 PM
Cadmium	ND	0.0020		mg/L	1	6/27/2008 3:21:22 PM
Calcium	50	0.50		mg/L	1	6/27/2008 3:21:22 PM
Chromium	ND	0.0060		mg/L	1	6/27/2008 3:21:22 PM
Copper	ND	0.0060		mg/L	1	6/27/2008 3:21:22 PM
Iron	1.1	0.25		mg/L	5	6/30/2008 3:58:02 PM
Lead	ND	0.0050		mg/L	1	6/27/2008 3:21:22 PM
Magnesium	12	0.50		mg/L	1	6/27/2008 3:21:22 PM
Manganese	0.057	0.0020		mg/L	1	6/27/2008 3:21:22 PM
Potassium	13	1.0		mg/L	1	7/8/2008 3:20:35 PM
Selenium	ND	0.050		mg/L	1	6/27/2008 3:21:22 PM
Silver	ND	0.0050		mg/L	1	6/27/2008 3:21:22 PM
Sodium	320	2.5		mg/L	5	6/30/2008 3:24:18 PM
Uranium	ND	0.10		mg/L	1	6/27/2008 3:21:22 PM
Zinc	0.19	0.020		mg/L	1	6/27/2008 3:21:22 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	6/24/2008
Acenaphthylene	ND	50		µg/L	1	6/24/2008
Aniline	400	50		µg/L	1	6/24/2008
Anthracene	ND	50		µg/L	1	6/24/2008

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:15:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Azobenzene	ND	50		µg/L	1	6/24/2008
Benz(a)anthracene	ND	50		µg/L	1	6/24/2008
Benzo(a)pyrene	ND	50		µg/L	1	6/24/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	6/24/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	6/24/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	6/24/2008
Benzoic acid	ND	100		µg/L	1	6/24/2008
Benzyl alcohol	ND	50		µg/L	1	6/24/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	6/24/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	6/24/2008
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	6/24/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	6/24/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	6/24/2008
Butyl benzyl phthalate	ND	50		µg/L	1	6/24/2008
Carbazole	ND	50		µg/L	1	6/24/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	6/24/2008
4-Chloroaniline	ND	50		µg/L	1	6/24/2008
2-Chloronaphthalene	ND	50		µg/L	1	6/24/2008
2-Chlorophenol	ND	50		µg/L	1	6/24/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	6/24/2008
Chrysene	ND	50		µg/L	1	6/24/2008
Di-n-butyl phthalate	ND	50		µg/L	1	6/24/2008
Di-n-octyl phthalate	ND	50		µg/L	1	6/24/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	6/24/2008
Dibenzofuran	ND	50		µg/L	1	6/24/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	6/24/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	6/24/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	6/24/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	6/24/2008
Diethyl phthalate	ND	50		µg/L	1	6/24/2008
Dimethyl phthalate	ND	50		µg/L	1	6/24/2008
2,4-Dichlorophenol	ND	50		µg/L	1	6/24/2008
2,4-Dimethylphenol	160	50		µg/L	1	6/24/2008
4,6-Dinitro-2-methylphenol	ND	50		µg/L	1	6/24/2008
2,4-Dinitrophenol	ND	100		µg/L	1	6/24/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	6/24/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	6/24/2008
Fluoranthene	ND	50		µg/L	1	6/24/2008
Fluorene	ND	50		µg/L	1	6/24/2008
Hexachlorobenzene	ND	50		µg/L	1	6/24/2008
Hexachlorobutadiene	ND	50		µg/L	1	6/24/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	6/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:15:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Hexachloroethane	ND	50		µg/L	1	6/24/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	6/24/2008
Isophorone	ND	50		µg/L	1	6/24/2008
2-Methylnaphthalene	500	50		µg/L	1	6/24/2008
2-Methylphenol	4900	500		µg/L	10	6/25/2008
3+4-Methylphenol	8500	500		µg/L	10	6/25/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	6/24/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	6/24/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	6/24/2008
Naphthalene	240	50		µg/L	1	6/24/2008
2-Nitroaniline	ND	50		µg/L	1	6/24/2008
3-Nitroaniline	ND	50		µg/L	1	6/24/2008
4-Nitroaniline	ND	50		µg/L	1	6/24/2008
Nitrobenzene	ND	50		µg/L	1	6/24/2008
2-Nitrophenol	ND	50		µg/L	1	6/24/2008
4-Nitrophenol	ND	50		µg/L	1	6/24/2008
Pentachlorophenol	ND	100		µg/L	1	6/24/2008
Phenanthrene	160	50		µg/L	1	6/24/2008
Phenol	17000	1000		µg/L	20	6/25/2008
Pyrene	ND	50		µg/L	1	6/24/2008
Pyridine	ND	50		µg/L	1	6/24/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	6/24/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	6/24/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	6/24/2008
Surr: 2,4,6-Tribromophenol	48.8	16.6-150		%REC	1	6/24/2008
Surr: 2-Fluorobiphenyl	49.7	19.6-134		%REC	1	6/24/2008
Surr: 2-Fluorophenol	37.0	9.54-113		%REC	1	6/24/2008
Surr: 4-Terphenyl-d14	48.2	22.7-145		%REC	1	6/24/2008
Surr: Nitrobenzene-d5	60.0	14.6-134		%REC	1	6/24/2008
Surr: Phenol-d5	24.6	10.7-80.3		%REC	1	6/24/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	840	100		µg/L	100	6/20/2008 3:35:21 AM
Toluene	1500	100		µg/L	100	6/20/2008 3:35:21 AM
Ethylbenzene	140	100		µg/L	100	6/20/2008 3:35:21 AM
Methyl tert-butyl ether (MTBE)	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2,4-Trimethylbenzene	260	100		µg/L	100	6/20/2008 3:35:21 AM
1,3,5-Trimethylbenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2-Dichloroethane (EDC)	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2-Dibromoethane (EDB)	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Naphthalene	290	200		µg/L	100	6/20/2008 3:35:21 AM
1-Methylnaphthalene	ND	400		µg/L	100	6/20/2008 3:35:21 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:15:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Methylnaphthalene	ND	400		µg/L	100	6/20/2008 3:35:21 AM
Acetone	17000	1000		µg/L	100	6/20/2008 3:35:21 AM
Bromobenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Bromodichloromethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Bromoform	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Bromomethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
2-Butanone	2500	1000		µg/L	100	6/20/2008 3:35:21 AM
Carbon disulfide	ND	1000		µg/L	100	6/20/2008 3:35:21 AM
Carbon Tetrachloride	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Chlorobenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Chloroethane	ND	200		µg/L	100	6/20/2008 3:35:21 AM
Chloroform	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Chloromethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
2-Chlorotoluene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
4-Chlorotoluene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
cis-1,2-DCE	ND	100		µg/L	100	6/20/2008 3:35:21 AM
cis-1,3-Dichloropropene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2-Dibromo-3-chloropropane	ND	200		µg/L	100	6/20/2008 3:35:21 AM
Dibromochloromethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Dibromomethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2-Dichlorobenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,3-Dichlorobenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,4-Dichlorobenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Dichlorodifluoromethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,1-Dichloroethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,1-Dichloroethene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2-Dichloropropane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,3-Dichloropropane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
2,2-Dichloropropane	ND	200		µg/L	100	6/20/2008 3:35:21 AM
1,1-Dichloropropene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Hexachlorobutadiene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
2-Hexanone	ND	1000		µg/L	100	6/20/2008 3:35:21 AM
Isopropylbenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
4-Isopropyltoluene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
4-Methyl-2-pentanone	ND	1000		µg/L	100	6/20/2008 3:35:21 AM
Methylene Chloride	ND	300		µg/L	100	6/20/2008 3:35:21 AM
n-Butylbenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
n-Propylbenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
sec-Butylbenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Styrene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
tert-Butylbenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,1,1,2-Tetrachloroethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0806260	**Collection Date:**	6/17/2008 8:15:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,1,2,2-Tetrachloroethane	ND	200		µg/L	100	6/20/2008 3:35:21 AM
Tetrachloroethene (PCE)	ND	100		µg/L	100	6/20/2008 3:35:21 AM
trans-1,2-DCE	ND	100		µg/L	100	6/20/2008 3:35:21 AM
trans-1,3-Dichloropropene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2,3-Trichlorobenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2,4-Trichlorobenzene	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,1,1-Trichloroethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,1,2-Trichloroethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Trichloroethene (TCE)	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Trichlorofluoromethane	ND	100		µg/L	100	6/20/2008 3:35:21 AM
1,2,3-Trichloropropane	ND	200		µg/L	100	6/20/2008 3:35:21 AM
Vinyl chloride	ND	100		µg/L	100	6/20/2008 3:35:21 AM
Xylenes, Total	890	150		µg/L	100	6/20/2008 3:35:21 AM
Surr: 1,2-Dichloroethane-d4	89.8	68.1-123		%REC	100	6/20/2008 3:35:21 AM
Surr: 4-Bromofluorobenzene	100	53.2-145		%REC	100	6/20/2008 3:35:21 AM
Surr: Dibromofluoromethane	92.9	68.5-119		%REC	100	6/20/2008 3:35:21 AM
Surr: Toluene-d8	99.9	64-131		%REC	100	6/20/2008 3:35:21 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	4600	0.010		µmhos/cm	1	6/19/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	9.07	0.1		pH units	1	6/19/2008

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *14-Jul-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2 Boiler Water
Lab Order:	0806260	**Collection Date:**	6/17/2008 9:00:00 AM
Project:	OCD Quarterly Water Samples 2 QTR 2008	**Date Received:**	6/17/2008
Lab ID:	0806260-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.3	0.10		mg/L	1	6/19/2008 1:49:07 AM
Chloride	67	1.0		mg/L	10	6/19/2008 2:06:32 AM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	6/19/2008 1:49:07 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	6/19/2008 2:06:32 AM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	6/19/2008 1:49:07 AM
Sulfate	2600	25		mg/L	50	6/23/2008 11:32:56 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	6/25/2008 1:03:32 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.10		mg/L	5	6/30/2008 7:04:06 PM
Barium	ND	0.050		mg/L	5	6/30/2008 4:15:01 PM
Cadmium	ND	0.010		mg/L	5	6/30/2008 7:04:06 PM
Calcium	1.9	0.50		mg/L	1	6/27/2008 3:26:55 PM
Chromium	ND	0.030		mg/L	5	6/30/2008 4:15:01 PM
Copper	ND	0.030		mg/L	5	6/30/2008 4:15:01 PM
Iron	ND	0.050		mg/L	1	6/27/2008 3:26:55 PM
Lead	ND	0.025		mg/L	5	6/30/2008 7:04:06 PM
Magnesium	ND	0.50		mg/L	1	6/27/2008 3:26:55 PM
Manganese	ND	0.010		mg/L	5	6/30/2008 4:15:01 PM
Potassium	15	5.0		mg/L	5	7/8/2008 3:23:25 PM
Selenium	ND	0.25		mg/L	5	6/30/2008 4:15:01 PM
Silver	ND	0.025		mg/L	5	6/30/2008 4:15:01 PM
Sodium	1900	25		mg/L	50	6/30/2008 3:26:37 PM
Uranium	ND	0.50		mg/L	5	6/30/2008 4:15:01 PM
Zinc	ND	0.10		mg/L	5	6/30/2008 7:04:06 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	6500	0.010		µmhos/cm	1	6/19/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.90	0.1		pH units	1	6/19/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0806260**
Order: **08060477** **HAL03** Receipt: **06-18-08**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0806260-02D EP-1*** Collected: *06-17-08 8:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060477-001A		**EPA 410.1 Chemical Oxygen Demand**						By: MRA		
WCOD-08-025	WC.2008.1642.17	C-004	Chemical Oxygen Demand	2650	mg/L	10	10		06-30-08	07-01-08

Sample: ***0806260-02E EP-1*** Collected: *06-17-08 8:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060477-002A		**EPA 405.1 Biochemical Oxygen Demand**						By: MJN		
BOD08069	WC.2008.1542.18	10-26-4	Biochemical Oxygen Demand	294	mg/L	1	4		06-18-08	06-23-08

Sample: ***0806260-03C PILOT EFFLUENT*** Collected: *06-17-08 8:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060477-003A		**EPA 410.1 Chemical Oxygen Demand**						By: MRA		
WCOD-08-025	WC.2008.1642.18	C-004	Chemical Oxygen Demand	699	mg/L	1	10		06-30-08	07-01-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0806260**
Order: **08060477** **HAL03** Receipt: **06-18-08**

Sample: ***0806260-03D PILOT EFFUENT*** Collected: *06-17-08 8:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08060477-004A		**EPA 405.1 Biochemical Oxygen Demand**						By: MJN		
BOD08069	WC.2008.1542.17	10-26-4	Biochemical Oxygen Demand	399	mg/L	1	4		06-18-08	06-23-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Benchmark Analytics, Inc.

4777 Saucon Creek Road
Center Valley, PA 18034

Phone: (610) 974-8100
Fax: (610) 974-8104

Work Order: 08063008

SEND DATA TO:

NAME: Andy Freeman
COMPANY: Hall Environmental Analysis Lab, Inc.
ADDRESS: 4901 Hawkins NE#D
Albuquerque, NM 87109-4372

PHONE: (505) 345-3975
FAX: (505) 345-4107

WO#: 08063008
PAGE: 1 of 1
PO#:
PWS ID#

TEST REPORT

0806260

RECEIVED FOR LAB BY: TJM DATE: 06/20/2008 9:30

SAMPLE: **0806260-01C, AL-2 to EP-1** Lab ID: 08063008-001A Grab
SAMPLED BY: Client Sample Time: 06/17/2008 8:30

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst *
Uranium	0.71 µg/L	EPA 200.8	30	06/25/08 11:00	06/30/08	JRA-CV
Uranium	0.48 pCi/L	EPA 200.8		06/25/08 11:00	06/30/08	JRA-CV

SAMPLE: **0806260-03E, Pilot Effluent** Lab ID: 08063008-002A Grab
SAMPLED BY: Client Sample Time: 06/17/2008 8:00

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst *
Uranium	0.90 µg/L	EPA 200.8	30	06/25/08 11:00	06/30/08	JRA-CV
Uranium	0.60 pCi/L	EPA 200.8		06/25/08 11:00	06/30/08	JRA-CV

SAMPLE: **0806260-04E, NAPIS Effluent** Lab ID: 08063008-003A Grab
SAMPLED BY: Client Sample Time: 06/17/2008 8:15

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst *
Uranium	< 0.63 µg/L	EPA 200.8	30	06/25/08 11:00	06/30/08	JRA-CV
Uranium	< 0.43 pCi/L	EPA 200.8		06/25/08 11:00	06/30/08	JRA-CV

REMARKS:
The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER Stephanie Olson 18 DATE: 7/1/2008

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R28975**	Analysis Date:	6/18/2008 9:34:11 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29050**	Analysis Date:	6/23/2008 9:31:03 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R28975**	Analysis Date:	6/18/2008 9:51:36 AM	
Fluoride	0.5113	mg/L	0.10	102	90	110			
Chloride	5.173	mg/L	0.10	103	90	110			
Nitrogen, Nitrite (As N)	1.017	mg/L	0.10	102	90	110			
Nitrogen, Nitrate (As N)	2.659	mg/L	0.10	106	90	110			
Phosphorus, Orthophosphate (As P)	5.272	mg/L	0.50	105	90	110			
Sulfate	10.52	mg/L	0.50	105	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29050**	Analysis Date:	6/23/2008 9:48:28 AM	
Fluoride	0.5056	mg/L	0.10	101	90	110			
Chloride	5.056	mg/L	0.10	101	90	110			
Nitrogen, Nitrite (As N)	0.9889	mg/L	0.10	98.9	90	110			
Nitrogen, Nitrate (As N)	2.572	mg/L	0.10	103	90	110			
Phosphorus, Orthophosphate (As P)	5.053	mg/L	0.50	101	90	110			
Sulfate	10.37	mg/L	0.50	104	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-16247		*MBLK*			Batch ID:	**16247**	Analysis Date:	6/19/2008 11:28:41 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-16247		*LCS*			Batch ID:	**16247**	Analysis Date:	6/19/2008 12:03:04 PM	
Diesel Range Organics (DRO)	4.366	mg/L	1.0	87.3	74	157			
Sample ID: LCSD-16247		*LCSD*			Batch ID:	**16247**	Analysis Date:	6/19/2008 12:37:47 PM	
Diesel Range Organics (DRO)	4.097	mg/L	1.0	81.9	74	157	6.36	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29125**	Analysis Date:	6/27/2008 9:12:30 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCSD		*LCS*			Batch ID:	**R29125**	Analysis Date:	6/28/2008 2:10:27 PM	
Gasoline Range Organics (GRO)	0.4808	mg/L	0.050	96.2	80	115			

ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16293		*MBLK*			Batch ID:	**16293**	Analysis Date:		6/24/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
[illegible]azole	ND	µg/L	10						
[illegible]loro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	10						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	10						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

[illegible]alifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16293		*MBLK*			Batch ID:	**16293**	Analysis Date:		6/24/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
tachlorophenol	ND	µg/L	20						
nanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16293		*LCS*			Batch ID:	**16293**	Analysis Date:		6/24/2008
Acenaphthene	53.86	µg/L	10	53.9	11	123			
4-Chloro-3-methylphenol	96.72	µg/L	10	48.4	15.4	119			
2-Chlorophenol	99.48	µg/L	10	49.7	12.2	122			
1,4-Dichlorobenzene	41.84	µg/L	10	41.8	16.9	100			
2,4-Dinitrotoluene	52.38	µg/L	10	52.4	13	138			
N-Nitrosodi-n-propylamine	49.10	µg/L	10	49.1	9.93	122			
4-Nitrophenol	63.24	µg/L	10	31.6	12.5	87.4			
Pentachlorophenol	124.1	µg/L	20	62.0	3.55	114			
Phenol	55.54	µg/L	10	27.8	7.53	73.1			
Pyrene	47.84	µg/L	10	47.8	12.6	140			
1,2,4-Trichlorobenzene	40.42	µg/L	10	40.4	17.4	98.7			
Sample ID: lcsd-16293		*LCSD*			Batch ID:	**16293**	Analysis Date:		6/24/2008
Acenaphthene	59.76	µg/L	10	59.8	11	123	10.4	30.5	
4-Chloro-3-methylphenol	99.84	µg/L	10	49.9	15.4	119	3.17	28.6	
2-Chlorophenol	99.40	µg/L	10	49.7	12.2	122	0.0805	107	
1,4-Dichlorobenzene	41.78	µg/L	10	41.8	16.9	100	0.144	62.1	
4-Dinitrotoluene	60.14	µg/L	10	60.1	13	138	13.8	14.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16293		*LCSD*			Batch ID:	**16293**	Analysis Date:		6/24/2008
N-Nitrosodi-n-propylamine	50.10	µg/L	10	50.1	9.93	122	2.02	30.3	
4-Nitrophenol	75.54	µg/L	10	37.8	12.5	87.4	17.7	36.3	
Pentachlorophenol	134.6	µg/L	20	67.3	3.55	114	8.10	49	
Phenol	57.06	µg/L	10	28.5	7.53	73.1	2.70	52.4	
Pyrene	51.66	µg/L	10	51.7	12.6	140	7.68	16.3	
1,2,4-Trichlorobenzene	40.52	µg/L	10	40.5	17.4	98.7	0.247	36.4	
Method: EPA Method 7470: Mercury									
Sample ID: MB-16322		*MBLK*			Batch ID:	**16322**	Analysis Date:		6/25/2008 12:36:56 PM
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-16322		*LCS*			Batch ID:	**16322**	Analysis Date:		6/25/2008 12:38:39 PM
Mercury	0.005016	mg/L	0.00020	100	80	120			

ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: 0806260-05BMSD		*MSD*			Batch ID:	**16277**	Analysis Date:	6/27/2008 3:48:27 PM	
Calcium	48.52	mg/L	0.50	93.3	75	125	0.933	20	
Iron	0.4618	mg/L	0.050	92.4	75	125	3.28	20	
Magnesium	48.02	mg/L	0.50	95.5	75	125	0.749	20	
Sample ID: 0806260-05BMSD		*MSD*			Batch ID:	**16277**	Analysis Date:	6/30/2008 4:55:23 PM	
Barium	0.5051	mg/L	0.050	101	75	125	2.32	20	
Copper	0.5065	mg/L	0.030	101	75	125	0.716	20	
Manganese	0.5042	mg/L	0.010	101	75	125	0.0567	20	
Silver	0.5074	mg/L	0.025	101	75	125	0.261	20	
Zinc	0.5383	mg/L	0.10	108	75	125	2.21	20	
Sample ID: 0806260-05BMSD		*MSD*			Batch ID:	**16277**	Analysis Date:	6/30/2008 7:15:53 PM	
Arsenic	0.5753	mg/L	0.10	115	75	125	3.96	20	
Cadmium	0.5026	mg/L	0.010	101	75	125	1.95	20	
Chromium	0.4789	mg/L	0.030	95.8	75	125	0.751	20	
Lead	0.4707	mg/L	0.025	94.1	75	125	1.01	20	
Selenium	0.4224	mg/L	0.25	84.5	75	125	7.67	20	
Uranium	ND	mg/L	0.50	98.9	75	125	0	20	
Sample ID: 0806260-05BMSD		*MSD*			Batch ID:	**16277**	Analysis Date:	7/8/2008 3:45:56 PM	
'assium	68.35	mg/L	5.0	106	75	125	2.07	20	
.ple ID: MB-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/23/2008 2:14:35 PM	
Iron	ND	mg/L	0.050						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/25/2008 3:27:51 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Uranium	ND	mg/L	0.10						
Zinc	ND	mg/L	0.020						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/26/2008 5:08:50 PM	
Iron	ND	mg/L	0.050						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/27/2008 1:24:05 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						

.ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/27/2008 1:24:05 PM	
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Uranium	ND	mg/L	0.10						
Zinc	ND	mg/L	0.020						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	6/30/2008 2:45:45 PM	
Sodium	ND	mg/L	0.50						
Sample ID: MBLK-16277		*MBLK*			Batch ID:	**16277**	Analysis Date:	7/8/2008 3:49:54 PM	
Potassium	ND	mg/L	1.0						
mple ID: LCS-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/23/2008 2:16:25 PM	
	0.4720	mg/L	0.050	94.4	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/25/2008 3:33:36 PM	
Arsenic	0.4874	mg/L	0.020	97.5	80	120			
Barium	0.4479	mg/L	0.010	89.6	80	120			
Cadmium	0.4562	mg/L	0.0020	91.2	80	120			
Calcium	47.91	mg/L	0.50	95.8	80	120			
Chromium	0.4628	mg/L	0.0060	92.6	80	120			
Copper	0.4511	mg/L	0.0060	90.2	80	120			
Iron	0.4364	mg/L	0.050	87.3	80	120			
Lead	0.4563	mg/L	0.0050	91.3	80	120			
Magnesium	47.74	mg/L	0.50	95.5	80	120			
Manganese	0.4460	mg/L	0.0020	89.2	80	120			
Potassium	51.02	mg/L	1.0	102	80	120			
Selenium	0.4540	mg/L	0.050	90.8	80	120			
Silver	0.4547	mg/L	0.0050	90.9	80	120			
Sodium	50.61	mg/L	0.50	101	80	120			
Uranium	0.4752	mg/L	0.10	95.0	80	120			
Zinc	0.4534	mg/L	0.020	90.7	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/26/2008 5:13:58 PM	
Iron	0.4614	mg/L	0.050	92.3	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/27/2008 1:27:05 PM	
Arsenic	0.4687	mg/L	0.020	93.7	80	120			
Barium	0.4595	mg/L	0.010	91.9	80	120			
Cadmium	0.4656	mg/L	0.0020	93.1	80	120			
Calcium	47.52	mg/L	0.50	95.0	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/27/2008 1:27:05 PM	
Chromium	0.4626	mg/L	0.0060	92.5	80	120			
Copper	0.4819	mg/L	0.0060	96.4	80	120			
Iron	0.4513	mg/L	0.050	90.3	80	120			
Lead	0.4516	mg/L	0.0050	90.3	80	120			
Magnesium	48.47	mg/L	0.50	96.9	80	120			
Manganese	0.4593	mg/L	0.0020	91.9	80	120			
Selenium	0.4611	mg/L	0.050	92.2	80	120			
Silver	0.4727	mg/L	0.0050	94.5	80	120			
Sodium	51.31	mg/L	0.50	103	80	120			
Uranium	0.5153	mg/L	0.10	103	80	120			
Zinc	0.4409	mg/L	0.020	88.2	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	6/30/2008 2:47:57 PM	
Sodium	52.61	mg/L	0.50	105	80	120			
Sample ID: LCS1-16277		*LCS*			Batch ID:	**16277**	Analysis Date:	7/8/2008 3:51:33 PM	
Potassium	52.86	mg/L	1.0	106	80	120			
Sample ID: 0806260-05BMS		*MS*			Batch ID:	**16277**	Analysis Date:	6/27/2008 3:44:14 PM	
Calcium	48.97	mg/L	0.50	94.2	75	125			
[illegible]	0.4772	mg/L	0.050	95.4	75	125			
[illegible]esium	48.38	mg/L	0.50	96.2	75	125			
Sample ID: 0806260-05BMS		*MS*			Batch ID:	**16277**	Analysis Date:	6/30/2008 4:52:17 PM	
Barium	0.5169	mg/L	0.050	103	75	125			
Copper	0.5029	mg/L	0.030	101	75	125			
Manganese	0.5045	mg/L	0.010	101	75	125			
Silver	0.5061	mg/L	0.025	101	75	125			
Zinc	0.5504	mg/L	0.10	110	75	125			
Sample ID: 0806260-05BMS		*MS*			Batch ID:	**16277**	Analysis Date:	6/30/2008 7:13:20 PM	
Arsenic	0.5530	mg/L	0.10	111	75	125			
Cadmium	0.4929	mg/L	0.010	98.6	75	125			
Chromium	0.4753	mg/L	0.030	95.1	75	125			
Lead	0.4755	mg/L	0.025	95.1	75	125			
Selenium	0.4561	mg/L	0.25	91.2	75	125			
Uranium	ND	mg/L	0.50	98.1	75	125			
Sample ID: 0806260-05BMS		*MS*			Batch ID:	**16277**	Analysis Date:	7/8/2008 3:43:42 PM	
Potassium	66.95	mg/L	5.0	103	75	125			

:ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R28995**	Analysis Date:	6/19/2008 8:54:12 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
·on Tetrachloride	ND	µg/L	1.0						
·robenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

·ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R28995**	Analysis Date:	6/19/2008 8:54:12 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
?-Trichloropropane	ND	µg/L	2.0						
, chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29026**	Analysis Date:	6/20/2008 8:32:36 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

.ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29026**	Analysis Date:	6/20/2008 8:32:36 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
ıchlorobutadiene	ND	µg/L	1.0						
ɔxanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29049**	Analysis Date:	6/23/2008 8:56:08 AM	

ıifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Method: EPA Method 8260B: VOLATILES
Sample ID: 5ml rb *MBLK* Batch ID: **R29049** Analysis Date: 6/23/2008 8:56:08 AM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
...on Tetrachloride	ND	µg/L	1.0						
...robenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

...dfiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008 **Work Order:** 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29049**	Analysis Date:	6/23/2008 8:56:08 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
[illegible]-Trichloropropane	ND	µg/L	2.0						
[illegible] chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5mL rb		*MBLK*			Batch ID:	**R29104**	Analysis Date:	6/26/2008 7:49:20 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

[illegible]ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ıt: Western Refining Southwest, Gallup
Project: OCD Quarterly Water Samples 2 QTR 2008

Work Order: 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5mL rb		*MBLK*			Batch ID: **R29104**		Analysis Date:	6/26/2008 7:49:20 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
chlorobutadiene	ND	µg/L	1.0						
anone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID: **R28995**		Analysis Date:	6/19/2008 9:52:08 AM	

ers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ıt: Western Refining Southwest, Gallup
ıoject: OCD Quarterly Water Samples 2 QTR 2008

Work Order: 0806260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R28995**	Analysis Date:	6/19/2008 9:52:08 AM	
Benzene	21.08	µg/L	1.0	105	86.8	120			
Toluene	20.29	µg/L	1.0	101	64.1	127			
Chlorobenzene	20.88	µg/L	1.0	104	82.4	113			
1,1-Dichloroethene	24.61	µg/L	1.0	123	86.5	132			
Trichloroethene (TCE)	18.71	µg/L	1.0	93.5	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29026**	Analysis Date:	6/20/2008 9:59:20 AM	
Benzene	20.52	µg/L	1.0	103	86.8	120			
Toluene	20.36	µg/L	1.0	102	64.1	127			
Chlorobenzene	20.39	µg/L	1.0	102	82.4	113			
1,1-Dichloroethene	23.17	µg/L	1.0	116	86.5	132			
Trichloroethene (TCE)	18.34	µg/L	1.0	91.7	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29049**	Analysis Date:	6/23/2008 10:22:30 AM	
Benzene	21.14	µg/L	1.0	106	86.8	120			
Toluene	20.02	µg/L	1.0	100	64.1	127			
Chlorobenzene	20.05	µg/L	1.0	100	82.4	113			
1,1-Dichloroethene	24.19	µg/L	1.0	121	86.5	132			
Trichloroethene (TCE)	20.33	µg/L	1.0	102	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29104**	Analysis Date:	6/26/2008 8:55:06 AM	
ıe	19.70	µg/L	1.0	98.5	86.8	120			
Toluene	18.02	µg/L	1.0	90.1	64.1	127			
Chlorobenzene	20.30	µg/L	1.0	102	82.4	113			
1,1-Dichloroethene	22.84	µg/L	1.0	114	86.5	132			
Trichloroethene (TCE)	17.90	µg/L	1.0	89.5	77.3	123			

rs:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 6/17/2008

Work Order Number 0806260

Received by: AT

Checklist completed by: Signature Date 6/17/08

Sample ID labels checked by: AS Initials

Matrix:

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
ıter - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	**15°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

·ective Action _____

Chain-of-Custody Record

Client: Western Refining Company - Gallup
Address: Route 3 Box 7
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#:
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: OCD Quarterly water samples 2 QTR, 2008
Project #:
Project Manager: Ed Riggs
Sampler: Cheryl Johnson
On Ice: Yes No
Sample Temperature: 15.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	~~EDC (Method 8260)~~ pH	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	W/QCC Total/Metals	BOD-COD	Phenol by 8270	Gen Chem	Air Bubbles (Y or N)
6-17-08	0830	AL-2 to EP-1			0806260																
6-17-08	0845	EP-1			-1			X							X		X				
6-17-08	0800	Pilot Effluent			-2			X			X				X			X	X		
6-17-08	0815	NAPIS Effluent			-3			X							X		X	X			
6-17-08	0900	EP-2 Boiler Water			-4			X							X	X	X			X	
					-5															X	

Date:	Time:	Relinquished by:	Received by:
6-17-08	1505	Steve Morris	[signature] 6/17/08 1505
Date:	Time:	Relinquished by:	Received by:

Remarks: Gen Chem = Cations, Anions, pH, + Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Wednesday, August 06, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0807343

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 7/25/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 INLET
Lab Order:	0807343	**Collection Date:**	7/23/2008 12:10:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	7/25/2008
Lab ID:	0807343-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	50		µg/L	1	7/31/2008
Acenaphthylene	ND	50		µg/L	1	7/31/2008
Aniline	370	50		µg/L	1	7/31/2008
Anthracene	ND	50		µg/L	1	7/31/2008
Azobenzene	ND	50		µg/L	1	7/31/2008
Benz(a)anthracene	ND	50		µg/L	1	7/31/2008
Benzo(a)pyrene	ND	50		µg/L	1	7/31/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	7/31/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	7/31/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	7/31/2008
Benzoic acid	ND	100		µg/L	1	7/31/2008
Benzyl alcohol	ND	50		µg/L	1	7/31/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	7/31/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	7/31/2008
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	7/31/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	7/31/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	7/31/2008
Butyl benzyl phthalate	ND	50		µg/L	1	7/31/2008
Carbazole	ND	50		µg/L	1	7/31/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/31/2008
4-Chloroaniline	ND	50		µg/L	1	7/31/2008
2-Chloronaphthalene	ND	50		µg/L	1	7/31/2008
2-Chlorophenol	ND	50		µg/L	1	7/31/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	7/31/2008
Chrysene	ND	50		µg/L	1	7/31/2008
Di-n-butyl phthalate	ND	50		µg/L	1	7/31/2008
Di-n-octyl phthalate	ND	50		µg/L	1	7/31/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	7/31/2008
Dibenzofuran	ND	50		µg/L	1	7/31/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	7/31/2008
Diethyl phthalate	ND	50		µg/L	1	7/31/2008
Dimethyl phthalate	ND	50		µg/L	1	7/31/2008
2,4-Dichlorophenol	ND	100		µg/L	1	7/31/2008
2,4-Dimethylphenol	64	50		µg/L	1	7/31/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	7/31/2008
2,4-Dinitrophenol	ND	100		µg/L	1	7/31/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	7/31/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	7/31/2008
Fluoranthene	ND	50		µg/L	1	7/31/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 INLET
Lab Order:	0807343	**Collection Date:**	7/23/2008 12:10:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	7/25/2008
Lab ID:	0807343-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluorene	ND	50		µg/L	1	7/31/2008
Hexachlorobenzene	ND	50		µg/L	1	7/31/2008
Hexachlorobutadiene	ND	50		µg/L	1	7/31/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	7/31/2008
Hexachloroethane	ND	50		µg/L	1	7/31/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	7/31/2008
Isophorone	ND	50		µg/L	1	7/31/2008
2-Methylnaphthalene	450	50		µg/L	1	7/31/2008
2-Methylphenol	1200	50		µg/L	1	7/31/2008
3+4-Methylphenol	1500	250		µg/L	5	7/31/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	7/31/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	7/31/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	7/31/2008
Naphthalene	300	50		µg/L	1	7/31/2008
2-Nitroaniline	ND	50		µg/L	1	7/31/2008
3-Nitroaniline	ND	50		µg/L	1	7/31/2008
4-Nitroaniline	ND	50		µg/L	1	7/31/2008
Nitrobenzene	ND	50		µg/L	1	7/31/2008
2-Nitrophenol	ND	50		µg/L	1	7/31/2008
4-Nitrophenol	ND	50		µg/L	1	7/31/2008
Pentachlorophenol	ND	100		µg/L	1	7/31/2008
Phenanthrene	82	50		µg/L	1	7/31/2008
Phenol	4000	250		µg/L	5	7/31/2008
Pyrene	ND	50		µg/L	1	7/31/2008
Pyridine	ND	50		µg/L	1	7/31/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	7/31/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/31/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/31/2008
Surr: 2,4,6-Tribromophenol	25.8	16.6-150		%REC	1	7/31/2008
Surr: 2-Fluorobiphenyl	56.5	19.6-134		%REC	1	7/31/2008
Surr: 2-Fluorophenol	32.7	9.54-113		%REC	1	7/31/2008
Surr: 4-Terphenyl-d14	63.8	22.7-146		%REC	1	7/31/2008
Surr: Nitrobenzene-d5	32.0	14.6-134		%REC	1	7/31/2008
Surr: Phenol-d5	33.9	10.7-80.3		%REC	1	7/31/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 INLET
Lab Order:	0807343	**Collection Date:**	7/23/2008 12:30:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	7/25/2008
Lab ID:	0807343-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	50		µg/L	1	7/31/2008
Acenaphthylene	ND	50		µg/L	1	7/31/2008
Aniline	130	50		µg/L	1	7/31/2008
Anthracene	ND	50		µg/L	1	7/31/2008
Azobenzene	ND	50		µg/L	1	7/31/2008
Benz(a)anthracene	ND	50		µg/L	1	7/31/2008
Benzo(a)pyrene	ND	50		µg/L	1	7/31/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	7/31/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	7/31/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	7/31/2008
Benzoic acid	150	100		µg/L	1	7/31/2008
Benzyl alcohol	ND	50		µg/L	1	7/31/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	7/31/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	7/31/2008
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	7/31/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	7/31/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	7/31/2008
Butyl benzyl phthalate	ND	50		µg/L	1	7/31/2008
Carbazole	ND	50		µg/L	1	7/31/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/31/2008
4-Chloroaniline	ND	50		µg/L	1	7/31/2008
2-Chloronaphthalene	ND	50		µg/L	1	7/31/2008
2-Chlorophenol	ND	50		µg/L	1	7/31/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	7/31/2008
Chrysene	ND	50		µg/L	1	7/31/2008
Di-n-butyl phthalate	ND	50		µg/L	1	7/31/2008
Di-n-octyl phthalate	ND	50		µg/L	1	7/31/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	7/31/2008
Dibenzofuran	ND	50		µg/L	1	7/31/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	7/31/2008
Diethyl phthalate	ND	50		µg/L	1	7/31/2008
Dimethyl phthalate	ND	50		µg/L	1	7/31/2008
2,4-Dichlorophenol	ND	100		µg/L	1	7/31/2008
2,4-Dimethylphenol	110	50		µg/L	1	7/31/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	7/31/2008
2,4-Dinitrophenol	ND	100		µg/L	1	7/31/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	7/31/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	7/31/2008
Fluoranthene	ND	50		µg/L	1	7/31/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 INLET
Lab Order:	0807343	**Collection Date:**	7/23/2008 12:30:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	7/25/2008
Lab ID:	0807343-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluorene	ND	50		µg/L	1	7/31/2008
Hexachlorobenzene	ND	50		µg/L	1	7/31/2008
Hexachlorobutadiene	ND	50		µg/L	1	7/31/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	7/31/2008
Hexachloroethane	ND	50		µg/L	1	7/31/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	7/31/2008
Isophorone	ND	50		µg/L	1	7/31/2008
2-Methylnaphthalene	67	50		µg/L	1	7/31/2008
2-Methylphenol	1600	500		µg/L	10	7/31/2008
3+4-Methylphenol	2700	500		µg/L	10	7/31/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	7/31/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	7/31/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	7/31/2008
Naphthalene	ND	50		µg/L	1	7/31/2008
2-Nitroaniline	ND	50		µg/L	1	7/31/2008
3-Nitroaniline	ND	50		µg/L	1	7/31/2008
4-Nitroaniline	ND	50		µg/L	1	7/31/2008
Nitrobenzene	ND	50		µg/L	1	7/31/2008
2-Nitrophenol	ND	50		µg/L	1	7/31/2008
4-Nitrophenol	ND	50		µg/L	1	7/31/2008
Pentachlorophenol	ND	100		µg/L	1	7/31/2008
Phenanthrene	ND	50		µg/L	1	7/31/2008
Phenol	6300	500		µg/L	10	7/31/2008
Pyrene	ND	50		µg/L	1	7/31/2008
Pyridine	ND	50		µg/L	1	7/31/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	7/31/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/31/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/31/2008
Surr: 2,4,6-Tribromophenol	62.1	16.6-150		%REC	1	7/31/2008
Surr: 2-Fluorobiphenyl	55.1	19.6-134		%REC	1	7/31/2008
Surr: 2-Fluorophenol	53.1	9.54-113		%REC	1	7/31/2008
Surr: 4-Terphenyl-d14	64.0	22.7-145		%REC	1	7/31/2008
Surr: Nitrobenzene-d5	66.0	14.6-134		%REC	1	7/31/2008
Surr: Phenol-d5	39.7	10.7-80.3		%REC	1	7/31/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 INLET
Lab Order:	0807343	**Collection Date:**	7/23/2008 12:55:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	7/25/2008
Lab ID:	0807343-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	50		µg/L	1	7/31/2008
Acenaphthylene	ND	50		µg/L	1	7/31/2008
Aniline	120	50		µg/L	1	7/31/2008
Anthracene	ND	50		µg/L	1	7/31/2008
Azobenzene	ND	50		µg/L	1	7/31/2008
Benz(a)anthracene	ND	50		µg/L	1	7/31/2008
Benzo(a)pyrene	ND	50		µg/L	1	7/31/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	7/31/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	7/31/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	7/31/2008
Benzoic acid	ND	100		µg/L	1	7/31/2008
Benzyl alcohol	ND	50		µg/L	1	7/31/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	7/31/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	7/31/2008
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	7/31/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	7/31/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	7/31/2008
Butyl benzyl phthalate	ND	50		µg/L	1	7/31/2008
Carbazole	ND	50		µg/L	1	7/31/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	7/31/2008
4-Chloroaniline	ND	50		µg/L	1	7/31/2008
2-Chloronaphthalene	ND	50		µg/L	1	7/31/2008
2-Chlorophenol	ND	50		µg/L	1	7/31/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	7/31/2008
Chrysene	ND	50		µg/L	1	7/31/2008
Di-n-butyl phthalate	ND	50		µg/L	1	7/31/2008
Di-n-octyl phthalate	ND	50		µg/L	1	7/31/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	7/31/2008
Dibenzofuran	ND	50		µg/L	1	7/31/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	7/31/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	7/31/2008
Diethyl phthalate	ND	50		µg/L	1	7/31/2008
Dimethyl phthalate	ND	50		µg/L	1	7/31/2008
2,4-Dichlorophenol	ND	100		µg/L	1	7/31/2008
2,4-Dimethylphenol	62	50		µg/L	1	7/31/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	7/31/2008
2,4-Dinitrophenol	ND	100		µg/L	1	7/31/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	7/31/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	7/31/2008
Fluoranthene	ND	50		µg/L	1	7/31/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 INLET
Lab Order:	0807343	**Collection Date:**	7/23/2008 12:55:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	7/25/2008
Lab ID:	0807343-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluorene	ND	50		µg/L	1	7/31/2008
Hexachlorobenzene	ND	50		µg/L	1	7/31/2008
Hexachlorobutadiene	ND	50		µg/L	1	7/31/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	7/31/2008
Hexachloroethane	ND	50		µg/L	1	7/31/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	7/31/2008
Isophorone	ND	50		µg/L	1	7/31/2008
2-Methylnaphthalene	130	50		µg/L	1	7/31/2008
2-Methylphenol	110	50		µg/L	1	7/31/2008
3+4-Methylphenol	110	50		µg/L	1	7/31/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	7/31/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	7/31/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	7/31/2008
Naphthalene	ND	50		µg/L	1	7/31/2008
2-Nitroaniline	ND	50		µg/L	1	7/31/2008
3-Nitroaniline	ND	50		µg/L	1	7/31/2008
4-Nitroaniline	ND	50		µg/L	1	7/31/2008
Nitrobenzene	ND	50		µg/L	1	7/31/2008
2-Nitrophenol	ND	50		µg/L	1	7/31/2008
4-Nitrophenol	ND	50		µg/L	1	7/31/2008
Pentachlorophenol	ND	100		µg/L	1	7/31/2008
Phenanthrene	120	50		µg/L	1	7/31/2008
Phenol	180	50		µg/L	1	7/31/2008
Pyrene	ND	50		µg/L	1	7/31/2008
Pyridine	ND	50		µg/L	1	7/31/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	7/31/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	7/31/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	7/31/2008
Surr: 2,4,6-Tribromophenol	54.5	16.6-150		%REC	1	7/31/2008
Surr: 2-Fluorobiphenyl	54.2	19.6-134		%REC	1	7/31/2008
Surr: 2-Fluorophenol	41.0	9.54-113		%REC	1	7/31/2008
Surr: 4-Terphenyl-d14	59.6	22.7-145		%REC	1	7/31/2008
Surr: Nitrobenzene-d5	50.5	14.6-134		%REC	1	7/31/2008
Surr: Phenol-d5	29.5	10.7-80.3		%REC	1	7/31/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result Is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0807343
Order: 08070685 HAL03 Receipt: 07-25-08

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0807343-01B AL-1 INLET* Collected: *07-23-08 12:10:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08070685-001A		EPA 410.1 Chemical Oxygen Demand					By:	FAS		
WCOD08028	WC.2008.1925.16	C-004	Chemical Oxygen Demand	634	mg/L	1	10		08-01-08	08-01-08

Sample: *0807343-01C AL-1 INLET* Collected: *07-23-08 12:10:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08070685-002A		EPA 405.1 Biochemical Oxygen Demand					By:	ECC		
WBOD08085	WC.2008.1921.17	10-26-4	Biochemical Oxygen Demand	334	mg/L	1	4	1	07-25-08	07-30-08

Sample: *0807343-02B AL-2 INLET* Collected: *07-23-08 12:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08070685-003A		EPA 410.1 Chemical Oxygen Demand					By:	FAS		
WCOD08028	WC.2008.1925.17	C-004	Chemical Oxygen Demand	439	mg/L	1	10		08-01-08	08-01-08

STANDARD

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0807343
Order: 08070685 HAL03 Receipt: 07-25-08

Sample: *0807343-02C AL-2 INLET* Collected: *07-23-08 12:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08070685-004A		EPA 405.1 Biochemical Oxygen Demand						By: ECC		
WBOD08085	WC.2008.1921.18	10-26-4	Biochemical Oxygen Demand	266	mg/L	1	4	1	07-25-08	07-30-08

Sample: *0807343-03B EP-1-INLET* Collected: *07-23-08 12:55:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08070685-005A		EPA 410.1 Chemical Oxygen Demand						By: FAS		
WCOD08028	WC.2008.1925.18	C-004	Chemical Oxygen Demand	658	mg/L	1	10		08-01-08	08-01-08

Sample: *0807343-03C EP-1-INLET* Collected: *07-23-08 12:55:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08070685-006A		EPA 405.1 Biochemical Oxygen Demand						By: ECC		
WBOD08085	WC.2008.1921.19	10-26-4	Biochemical Oxygen Demand	285	mg/L	1	4	1	07-25-08	07-30-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

1 The Laboratory Control Spike recovery for the Biochemical Oxygen Demand (BOD) batch of samples, analyzed for this work order, was 67.9%. This recovery is below the QC acceptance limits of 84.6-115.4% and is most likely due to a mispike. The LCSD is within the QC limits at 94.7%, all results are valid as calculated.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1
Work Order: 0807343

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16606		*MBLK*			Batch ID:	16606	Analysis Date:		7/31/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
Carbazole	ND	µg/L	10						
4-Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1 **Work Order:** 0807343

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16606		*MBLK*			Batch ID:	16606	Analysis Date:		7/31/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16606		*LCS*			Batch ID:	16606	Analysis Date:		7/31/2008
Acenaphthene	45.00	µg/L	10	45.0	11	123			
4-Chloro-3-methylphenol	92.68	µg/L	10	46.3	15.4	119			
2-Chlorophenol	95.76	µg/L	10	47.9	12.2	122			
1,4-Dichlorobenzene	35.02	µg/L	10	35.0	16.9	100			
2,4-Dinitrotoluene	46.74	µg/L	10	46.7	13	138			
N-Nitrosodi-n-propylamine	51.32	µg/L	10	51.3	9.93	122			
4-Nitrophenol	60.72	µg/L	10	30.4	12.5	87.4			
Pentachlorophenol	109.8	µg/L	20	54.9	3.55	114			
Phenol	55.08	µg/L	10	27.5	7.53	73.1			
Pyrene	46.12	µg/L	10	46.1	12.6	140			
1,2,4-Trichlorobenzene	34.56	µg/L	10	34.6	17.4	98.7			
Sample ID: lcsd-16606		*LCSD*			Batch ID:	16606	Analysis Date:		7/31/2008
Acenaphthene	48.48	µg/L	10	48.5	11	123	7.45	30.5	
4-Chloro-3-methylphenol	100.1	µg/L	10	50.0	15.4	119	7.70	28.6	
2-Chlorophenol	100.5	µg/L	10	50.2	12.2	122	4.79	107	
1,4-Dichlorobenzene	35.92	µg/L	10	35.9	16.9	100	2.54	62.1	
2,4-Dinitrotoluene	47.80	µg/L	10	47.8	13	138	2.24	14.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1 **Work Order:** 0807343

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16606		*LCSD*			Batch ID:	**16606**	Analysis Date:		7/31/2008
N-Nitrosodi-n-propylamine	52.76	µg/L	10	52.8	9.93	122	2.77	30.3	
4-Nitrophenol	64.34	µg/L	10	32.2	12.5	87.4	5.79	36.3	
Pentachlorophenol	115.8	µg/L	20	57.9	3.55	114	5.34	49	
Phenol	57.08	µg/L	10	28.5	7.53	73.1	3.57	52.4	
Pyrene	48.24	µg/L	10	48.2	12.6	140	4.49	16.3	
1,2,4-Trichlorobenzene	37.00	µg/L	10	37.0	17.4	98.7	6.82	36.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 7/25/2008

Work Order Number 0807343 — Received by: TLS

Sample ID labels checked by: AS (Initials)

Checklist completed by: Anup Shomin (Signature) July 25, 08 (Date)

Matrix: — Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN Refining
Gallup Refinery
Address: RT 3 Box 9
Gallup NM 87301
Phone #: 505 722 3227
email or Fax#: 505 722 3833

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: AL-1, AL-2 EP-1

Project #:

Project Manager: GAURAV RAJEN

Sampler: A. Dorsey

On Ice: ☑ Yes ☐ No

Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0807343	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
07/23/08	1210	AL-1 Inlet	1/1000 mL		1												X				
07/23/08	1210	AL-1 Inlet	1/500 mL	H_2SO_4	1													X			
07/23/08	1210	AL-1 Inlet	1/Liter		1														X		
07/23/08	1230	AL-2 Inlet	1/1000 mL		2												X				
07/23/08	1230	AL-2 Inlet	1/500 mL	H_2SO_4	2													X			
07/23/08	1230	AL-2 Inlet	1/Liter		2														X		
07/23/08	1255	EP-1 Inlet	1/1000 mL		3												X				
07/23/08	1255	EP-1 Inlet	1/500 mL	H_2SO_4	3													X			
07/23/08	1255	EP-1 Inlet	1/Liter		3														X		

Date:	Time:	Relinquished by:	Received by:
07/24/08		[signature]	[signature] 7/25/08 839
Date:	Time:	Relinquished by:	Received by:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

BW-1C, 2A, 2B, 2C, 3B, 3C

COVER LETTER

Wednesday, August 27, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 Annual Groundwater Event

Order No.: 0808012

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 7 sample(s) on 8/1/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	0808012	**Collection Date:**	7/31/2008 8:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	2.4	0.10		mg/L	1	8/1/2008 9:47:26 PM
Chloride	35	0.10		mg/L	1	8/1/2008 9:47:26 PM
Bromide	ND	0.10		mg/L	1	8/1/2008 9:47:26 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	8/4/2008 1:10:49 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	8/1/2008 9:47:26 PM
Sulfate	260	5.0		mg/L	10	8/1/2008 10:04:51 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/8/2008 3:28:48 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	8/8/2008 1:52:22 PM
Barium	0.016	0.010		mg/L	1	8/8/2008 1:52:22 PM
Cadmium	ND	0.0020		mg/L	1	8/8/2008 1:52:22 PM
Calcium	3.0	0.50		mg/L	1	8/8/2008 1:52:22 PM
Chromium	ND	0.0060		mg/L	1	8/8/2008 1:52:22 PM
Copper	ND	0.0060		mg/L	1	8/8/2008 1:52:22 PM
Iron	ND	0.050		mg/L	1	8/8/2008 1:52:22 PM
Lead	ND	0.0050		mg/L	1	8/8/2008 1:52:22 PM
Magnesium	0.62	0.50		mg/L	1	8/8/2008 1:52:22 PM
Manganese	0.013	0.0020		mg/L	1	8/8/2008 1:52:22 PM
Potassium	ND	1.0		mg/L	1	8/8/2008 1:52:22 PM
Selenium	ND	0.050		mg/L	1	8/8/2008 1:52:22 PM
Silver	ND	0.0050		mg/L	1	8/8/2008 1:52:22 PM
Sodium	310	2.5		mg/L	5	8/8/2008 4:09:59 PM
Zinc	ND	0.020		mg/L	1	8/8/2008 1:52:22 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	8/6/2008
Acenaphthylene	ND	10		µg/L	1	8/6/2008
Aniline	ND	10		µg/L	1	8/6/2008
Anthracene	ND	10		µg/L	1	8/6/2008
Azobenzene	ND	10		µg/L	1	8/6/2008
Benz(a)anthracene	ND	10		µg/L	1	8/6/2008
Benzo(a)pyrene	ND	10		µg/L	1	8/6/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/6/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzoic acid	ND	20		µg/L	1	8/6/2008
Benzyl alcohol	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	0808012	**Collection Date:**	7/31/2008 8:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/6/2008
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/6/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Butyl benzyl phthalate	ND	10		µg/L	1	8/6/2008
Carbazole	ND	10		µg/L	1	8/6/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/6/2008
4-Chloroaniline	ND	10		µg/L	1	8/6/2008
2-Chloronaphthalene	ND	10		µg/L	1	8/6/2008
2-Chlorophenol	ND	10		µg/L	1	8/6/2008
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Chrysene	ND	10		µg/L	1	8/6/2008
Di-n-butyl phthalate	ND	10		µg/L	1	8/6/2008
Di-n-octyl phthalate	ND	10		µg/L	1	8/6/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/6/2008
Dibenzofuran	ND	10		µg/L	1	8/6/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/6/2008
Diethyl phthalate	ND	10		µg/L	1	8/6/2008
Dimethyl phthalate	ND	10		µg/L	1	8/6/2008
2,4-Dichlorophenol	ND	20		µg/L	1	8/6/2008
2,4-Dimethylphenol	ND	10		µg/L	1	8/6/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrophenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
Fluoranthene	ND	10		µg/L	1	8/6/2008
Fluorene	ND	10		µg/L	1	8/6/2008
Hexachlorobenzene	ND	10		µg/L	1	8/6/2008
Hexachlorobutadiene	ND	10		µg/L	1	8/6/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/6/2008
Hexachloroethane	ND	10		µg/L	1	8/6/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/6/2008
Isophorone	ND	10		µg/L	1	8/6/2008
2-Methylnaphthalene	ND	10		µg/L	1	8/6/2008
2-Methylphenol	ND	10		µg/L	1	8/6/2008
3+4-Methylphenol	ND	10		µg/L	1	8/6/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/6/2008
Naphthalene	ND	10		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	0808012	**Collection Date:**	7/31/2008 8:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Nitroaniline	ND	10		µg/L	1	8/6/2008
3-Nitroaniline	ND	10		µg/L	1	8/6/2008
4-Nitroaniline	ND	10		µg/L	1	8/6/2008
Nitrobenzene	ND	10		µg/L	1	8/6/2008
2-Nitrophenol	ND	10		µg/L	1	8/6/2008
4-Nitrophenol	ND	10		µg/L	1	8/6/2008
Pentachlorophenol	ND	20		µg/L	1	8/6/2008
Phenanthrene	ND	10		µg/L	1	8/6/2008
Phenol	ND	10		µg/L	1	8/6/2008
Pyrene	ND	10		µg/L	1	8/6/2008
Pyridine	ND	10		µg/L	1	8/6/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/6/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/6/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/6/2008
Surr: 2,4,6-Tribromophenol	53.6	16.6-150		%REC	1	8/6/2008
Surr: 2-Fluorobiphenyl	55.5	19.6-134		%REC	1	8/6/2008
Surr: 2-Fluorophenol	42.8	9.54-113		%REC	1	8/6/2008
Surr: 4-Terphenyl-d14	64.6	22.7-145		%REC	1	8/6/2008
Surr: Nitrobenzene-d5	47.8	14.6-134		%REC	1	8/6/2008
Surr: Phenol-d5	28.2	10.7-80.3		%REC	1	8/6/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L /1000 → mg/L	1	8/5/2008 3:37:29 AM
Toluene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Ethylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Naphthalene	ND	2.0		µg/L	1	8/5/2008 3:37:29 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 3:37:29 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 3:37:29 AM
Acetone	ND	10		µg/L	1	8/5/2008 3:37:29 AM
Bromobenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Bromoform	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Bromomethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
2-Butanone	ND	10		µg/L	1	8/5/2008 3:37:29 AM
Carbon disulfide	ND	10		µg/L	1	8/5/2008 3:37:29 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Chlorobenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	0808012	**Collection Date:**	7/31/2008 8:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroethane	ND	2.0		µg/L	1	8/5/2008 3:37:29 AM
Chloroform	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Chloromethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/5/2008 3:37:29 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Dibromomethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/5/2008 3:37:29 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
2-Hexanone	ND	10		µg/L	1	8/5/2008 3:37:29 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/5/2008 3:37:29 AM
Methylene Chloride	ND	3.0		µg/L	1	8/5/2008 3:37:29 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Styrene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/5/2008 3:37:29 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-1C
Lab Order:	0808012	**Collection Date:**	7/31/2008 8:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/5/2008 3:37:29 AM
Vinyl chloride	ND	1.0		µg/L	1	8/5/2008 3:37:29 AM
Xylenes, Total	ND	1.5		µg/L	1	8/5/2008 3:37:29 AM
Surr: 1,2-Dichloroethane-d4	97.4	68.1-123		%REC	1	8/5/2008 3:37:29 AM
Surr: 4-Bromofluorobenzene	98.9	53.2-145		%REC	1	8/5/2008 3:37:29 AM
Surr: Dibromofluoromethane	99.7	68.5-119		%REC	1	8/5/2008 3:37:29 AM
Surr: Toluene-d8	95.2	64-131		%REC	1	8/5/2008 3:37:29 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1400	0.010		µmhos/cm	1	8/4/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	8.68	0.1		pH units	1	8/4/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0808012	**Collection Date:**	7/30/2008 9:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.1	0.10		mg/L	1	8/1/2008 10:22:16 PM
Chloride	40	0.10		mg/L	1	8/1/2008 10:22:16 PM
Bromide	0.43	0.10		mg/L	1	8/1/2008 10:22:16 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	8/4/2008 1:28:13 PM
Phosphorus, Orthophosphate (As P)	0.75	0.50	H	mg/L	1	8/1/2008 10:22:16 PM
Sulfate	7.3	0.50		mg/L	1	8/1/2008 10:22:16 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/8/2008 3:30:38 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	8/8/2008 1:56:35 PM
Barium	0.14	0.010		mg/L	1	8/8/2008 1:56:35 PM
Cadmium	ND	0.0020		mg/L	1	8/8/2008 1:56:35 PM
Calcium	8.6	0.50		mg/L	1	8/8/2008 1:56:35 PM
Chromium	ND	0.0060		mg/L	1	8/8/2008 1:56:35 PM
Copper	ND	0.0060		mg/L	1	8/8/2008 1:56:35 PM
Iron	0.37	0.050		mg/L	1	8/8/2008 1:56:35 PM
Lead	ND	0.0050		mg/L	1	8/8/2008 1:56:35 PM
Magnesium	3.2	0.50		mg/L	1	8/8/2008 1:56:35 PM
Manganese	0.14	0.0020		mg/L	1	8/8/2008 1:56:35 PM
Potassium	ND	1.0		mg/L	1	8/8/2008 1:56:35 PM
Selenium	ND	0.050		mg/L	1	8/8/2008 1:56:35 PM
Silver	ND	0.0050		mg/L	1	8/8/2008 1:56:35 PM
Sodium	320	2.5		mg/L	5	8/8/2008 4:12:44 PM
Zinc	ND	0.020		mg/L	1	8/8/2008 1:56:35 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	8/6/2008
Acenaphthylene	ND	10		µg/L	1	8/6/2008
Aniline	ND	10		µg/L	1	8/6/2008
Anthracene	ND	10		µg/L	1	8/6/2008
Azobenzene	ND	10		µg/L	1	8/6/2008
Benz(a)anthracene	ND	10		µg/L	1	8/6/2008
Benzo(a)pyrene	ND	10		µg/L	1	8/6/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/6/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzoic acid	ND	20		µg/L	1	8/6/2008
Benzyl alcohol	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0808012	**Collection Date:**	7/30/2008 9:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/6/2008
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/6/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Butyl benzyl phthalate	ND	10		µg/L	1	8/6/2008
Carbazole	ND	10		µg/L	1	8/6/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/6/2008
4-Chloroaniline	ND	10		µg/L	1	8/6/2008
2-Chloronaphthalene	ND	10		µg/L	1	8/6/2008
2-Chlorophenol	ND	10		µg/L	1	8/6/2008
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Chrysene	ND	10		µg/L	1	8/6/2008
Di-n-butyl phthalate	ND	10		µg/L	1	8/6/2008
Di-n-octyl phthalate	ND	10		µg/L	1	8/6/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/6/2008
Dibenzofuran	ND	10		µg/L	1	8/6/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/6/2008
Diethyl phthalate	ND	10		µg/L	1	8/6/2008
Dimethyl phthalate	ND	10		µg/L	1	8/6/2008
2,4-Dichlorophenol	ND	20		µg/L	1	8/6/2008
2,4-Dimethylphenol	ND	10		µg/L	1	8/6/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrophenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
Fluoranthene	ND	10		µg/L	1	8/6/2008
Fluorene	ND	10		µg/L	1	8/6/2008
Hexachlorobenzene	ND	10		µg/L	1	8/6/2008
Hexachlorobutadiene	ND	10		µg/L	1	8/6/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/6/2008
Hexachloroethane	ND	10		µg/L	1	8/6/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/6/2008
Isophorone	ND	10		µg/L	1	8/6/2008
2-Methylnaphthalene	ND	10		µg/L	1	8/6/2008
2-Methylphenol	ND	10		µg/L	1	8/6/2008
3+4-Methylphenol	ND	10		µg/L	1	8/6/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/6/2008
Naphthalene	ND	10		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0808012	**Collection Date:**	7/30/2008 9:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Nitroaniline	ND	10		µg/L	1	8/6/2008
3-Nitroaniline	ND	10		µg/L	1	8/6/2008
4-Nitroaniline	ND	10		µg/L	1	8/6/2008
Nitrobenzene	ND	10		µg/L	1	8/6/2008
2-Nitrophenol	ND	10		µg/L	1	8/6/2008
4-Nitrophenol	ND	10		µg/L	1	8/6/2008
Pentachlorophenol	ND	20		µg/L	1	8/6/2008
Phenanthrene	ND	10		µg/L	1	8/6/2008
Phenol	ND	10		µg/L	1	8/6/2008
Pyrene	ND	10		µg/L	1	8/6/2008
Pyridine	ND	10		µg/L	1	8/6/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/6/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/6/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/6/2008
Surr: 2,4,6-Tribromophenol	59.7	16.6-150		%REC	1	8/6/2008
Surr: 2-Fluorobiphenyl	68.8	19.6-134		%REC	1	8/6/2008
Surr: 2-Fluorophenol	50.7	9.54-113		%REC	1	8/6/2008
Surr: 4-Terphenyl-d14	67.9	22.7-145		%REC	1	8/6/2008
Surr: Nitrobenzene-d5	60.8	14.6-134		%REC	1	8/6/2008
Surr: Phenol-d5	35.3	10.7-80.3		%REC	1	8/6/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Toluene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Ethylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Naphthalene	ND	2.0		µg/L	1	8/5/2008 4:06:13 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 4:06:13 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 4:06:13 AM
Acetone	ND	10		µg/L	1	8/5/2008 4:06:13 AM
Bromobenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Bromoform	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Bromomethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
2-Butanone	ND	10		µg/L	1	8/5/2008 4:06:13 AM
Carbon disulfide	ND	10		µg/L	1	8/5/2008 4:06:13 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Chlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0808012	**Collection Date:**	7/30/2008 9:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroethane	ND	2.0		µg/L	1	8/5/2008 4:06:13 AM
Chloroform	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Chloromethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/5/2008 4:06:13 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Dibromomethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/5/2008 4:06:13 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
2-Hexanone	ND	10		µg/L	1	8/5/2008 4:06:13 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/5/2008 4:06:13 AM
Methylene Chloride	ND	3.0		µg/L	1	8/5/2008 4:06:13 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Styrene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/5/2008 4:06:13 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2A
Lab Order:	0808012	**Collection Date:**	7/30/2008 9:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/5/2008 4:06:13 AM
Vinyl chloride	ND	1.0		µg/L	1	8/5/2008 4:06:13 AM
Xylenes, Total	ND	1.5		µg/L	1	8/5/2008 4:06:13 AM
Surr: 1,2-Dichloroethane-d4	97.1	68.1-123		%REC	1	8/5/2008 4:06:13 AM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	1	8/5/2008 4:06:13 AM
Surr: Dibromofluoromethane	98.8	68.5-119		%REC	1	8/5/2008 4:06:13 AM
Surr: Toluene-d8	95.6	64-131		%REC	1	8/5/2008 4:06:13 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1400	0.010		µmhos/cm	1	8/4/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.87	0.1		pH units	1	8/4/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0808012	**Collection Date:**	7/30/2008 10:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.6	0.10		mg/L	1	8/1/2008 11:49:19 PM
Chloride	30	0.10		mg/L	1	8/1/2008 11:49:19 PM
Bromide	1.1	0.10		mg/L	1	8/1/2008 11:49:19 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	8/4/2008 1:45:38 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	8/1/2008 11:49:19 PM
Sulfate	150	5.0		mg/L	10	8/2/2008 12:08:44 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/8/2008 3:32:28 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	8/12/2008 11:06:57 AM
Barium	0.041	0.010		mg/L	1	8/12/2008 11:06:57 AM
Cadmium	ND	0.0020		mg/L	1	8/12/2008 11:06:57 AM
Calcium	13	0.50		mg/L	1	8/12/2008 11:06:57 AM
Chromium	ND	0.0060		mg/L	1	8/12/2008 11:06:57 AM
Copper	ND	0.0060		mg/L	1	8/12/2008 11:06:57 AM
Iron	0.064	0.050		mg/L	1	8/12/2008 11:06:57 AM
Lead	ND	0.0050		mg/L	1	8/12/2008 11:06:57 AM
Magnesium	3.0	0.50		mg/L	1	8/12/2008 11:06:57 AM
Manganese	0.16	0.0020		mg/L	1	8/12/2008 11:06:57 AM
Potassium	ND	1.0		mg/L	1	8/12/2008 11:06:57 AM
Selenium	ND	0.050		mg/L	1	8/12/2008 11:06:57 AM
Silver	ND	0.0050		mg/L	1	8/12/2008 11:06:57 AM
Sodium	570	5.0		mg/L	10	8/12/2008 2:00:43 PM
Zinc	ND	0.020		mg/L	1	8/12/2008 11:06:57 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	8/6/2008
Acenaphthylene	ND	10		µg/L	1	8/6/2008
Aniline	ND	10		µg/L	1	8/6/2008
Anthracene	ND	10		µg/L	1	8/6/2008
Azobenzene	ND	10		µg/L	1	8/6/2008
Benz(a)anthracene	ND	10		µg/L	1	8/6/2008
Benzo(a)pyrene	ND	10		µg/L	1	8/6/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/6/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzoic acid	ND	20		µg/L	1	8/6/2008
Benzyl alcohol	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0808012	**Collection Date:**	7/30/2008 10:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/6/2008
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/6/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Butyl benzyl phthalate	ND	10		µg/L	1	8/6/2008
Carbazole	ND	10		µg/L	1	8/6/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/6/2008
4-Chloroaniline	ND	10		µg/L	1	8/6/2008
2-Chloronaphthalene	ND	10		µg/L	1	8/6/2008
2-Chlorophenol	ND	10		µg/L	1	8/6/2008
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Chrysene	ND	10		µg/L	1	8/6/2008
Di-n-butyl phthalate	ND	10		µg/L	1	8/6/2008
Di-n-octyl phthalate	ND	10		µg/L	1	8/6/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/6/2008
Dibenzofuran	ND	10		µg/L	1	8/6/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/6/2008
Diethyl phthalate	ND	10		µg/L	1	8/6/2008
Dimethyl phthalate	ND	10		µg/L	1	8/6/2008
2,4-Dichlorophenol	ND	20		µg/L	1	8/6/2008
2,4-Dimethylphenol	ND	10		µg/L	1	8/6/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrophenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
Fluoranthene	ND	10		µg/L	1	8/6/2008
Fluorene	ND	10		µg/L	1	8/6/2008
Hexachlorobenzene	ND	10		µg/L	1	8/6/2008
Hexachlorobutadiene	ND	10		µg/L	1	8/6/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/6/2008
Hexachloroethane	ND	10		µg/L	1	8/6/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/6/2008
Isophorone	ND	10		µg/L	1	8/6/2008
2-Methylnaphthalene	ND	10		µg/L	1	8/6/2008
2-Methylphenol	ND	10		µg/L	1	8/6/2008
3+4-Methylphenol	ND	10		µg/L	1	8/6/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/6/2008
Naphthalene	ND	10		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0808012	**Collection Date:**	7/30/2008 10:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
2-Nitroaniline	ND	10		µg/L	1	8/6/2008
3-Nitroaniline	ND	10		µg/L	1	8/6/2008
4-Nitroaniline	ND	10		µg/L	1	8/6/2008
Nitrobenzene	ND	10		µg/L	1	8/6/2008
2-Nitrophenol	ND	10		µg/L	1	8/6/2008
4-Nitrophenol	ND	10		µg/L	1	8/6/2008
Pentachlorophenol	ND	20		µg/L	1	8/6/2008
Phenanthrene	ND	10		µg/L	1	8/6/2008
Phenol	ND	10		µg/L	1	8/6/2008
Pyrene	ND	10		µg/L	1	8/6/2008
Pyridine	ND	10		µg/L	1	8/6/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/6/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/6/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/6/2008
Surr: 2,4,6-Tribromophenol	55.8	16.6-150		%REC	1	8/6/2008
Surr: 2-Fluorobiphenyl	61.7	19.6-134		%REC	1	8/6/2008
Surr: 2-Fluorophenol	45.2	9.54-113		%REC	1	8/6/2008
Surr: 4-Terphenyl-d14	63.1	22.7-145		%REC	1	8/6/2008
Surr: Nitrobenzene-d5	58.9	14.6-134		%REC	1	8/6/2008
Surr: Phenol-d5	29.9	10.7-80.3		%REC	1	8/6/2008
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Toluene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Ethylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Naphthalene	ND	2.0		µg/L	1	8/5/2008 4:34:55 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 4:34:55 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 4:34:55 AM
Acetone	ND	10		µg/L	1	8/5/2008 4:34:55 AM
Bromobenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Bromoform	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Bromomethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
2-Butanone	ND	10		µg/L	1	8/5/2008 4:34:55 AM
Carbon disulfide	ND	10		µg/L	1	8/5/2008 4:34:55 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Chlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0808012	**Collection Date:**	7/30/2008 10:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroethane	ND	2.0		µg/L	1	8/5/2008 4:34:55 AM
Chloroform	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Chloromethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/5/2008 4:34:55 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Dibromomethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/5/2008 4:34:55 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
2-Hexanone	ND	10		µg/L	1	8/5/2008 4:34:55 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/5/2008 4:34:55 AM
Methylene Chloride	ND	3.0		µg/L	1	8/5/2008 4:34:55 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Styrene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/5/2008 4:34:55 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2B
Lab Order:	0808012	**Collection Date:**	7/30/2008 10:30:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/5/2008 4:34:55 AM
Vinyl chloride	ND	1.0		µg/L	1	8/5/2008 4:34:55 AM
Xylenes, Total	ND	1.5		µg/L	1	8/5/2008 4:34:55 AM
Surr: 1,2-Dichloroethane-d4	96.5	68.1-123		%REC	1	8/5/2008 4:34:55 AM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	1	8/5/2008 4:34:55 AM
Surr: Dibromofluoromethane	100	68.5-119		%REC	1	8/5/2008 4:34:55 AM
Surr: Toluene-d8	96.9	64-131		%REC	1	8/5/2008 4:34:55 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	2200	0.010		µmhos/cm	1	8/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.76	0.1		pH units	1	8/4/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0808012	**Collection Date:**	7/30/2008 2:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.9	0.10		mg/L	1	8/2/2008 12:41:33 AM
Chloride	44	1.0		mg/L	10	8/2/2008 12:58:58 AM
Bromide	0.14	0.10		mg/L	1	8/2/2008 12:41:33 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	8/4/2008 2:03:03 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	8/2/2008 12:41:33 AM
Sulfate	270	5.0		mg/L	10	8/2/2008 12:58:58 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/8/2008 3:34:12 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	8/8/2008 2:00:45 PM
Barium	0.13	0.010		mg/L	1	8/8/2008 2:00:45 PM
Cadmium	ND	0.0020		mg/L	1	8/8/2008 2:00:45 PM
Calcium	24	0.50		mg/L	1	8/8/2008 2:00:45 PM
Chromium	ND	0.0060		mg/L	1	8/8/2008 2:00:45 PM
Copper	ND	0.0060		mg/L	1	8/8/2008 2:00:45 PM
Iron	1.3	0.25		mg/L	5	8/8/2008 4:15:15 PM
Lead	ND	0.0050		mg/L	1	8/8/2008 2:00:45 PM
Magnesium	2.0	0.50		mg/L	1	8/8/2008 2:00:45 PM
Manganese	0.43	0.0020		mg/L	1	8/8/2008 2:00:45 PM
Potassium	1.1	1.0		mg/L	1	8/8/2008 2:00:45 PM
Selenium	ND	0.050		mg/L	1	8/8/2008 2:00:45 PM
Silver	ND	0.0050		mg/L	1	8/8/2008 2:00:45 PM
Sodium	300	2.5		mg/L	5	8/8/2008 4:15:15 PM
Zinc	ND	0.020		mg/L	1	8/8/2008 2:00:45 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	8/6/2008
Acenaphthylene	ND	50		µg/L	1	8/6/2008
Aniline	ND	50		µg/L	1	8/6/2008
Anthracene	ND	50		µg/L	1	8/6/2008
Azobenzene	ND	50		µg/L	1	8/6/2008
Benz(a)anthracene	ND	50		µg/L	1	8/6/2008
Benzo(a)pyrene	ND	50		µg/L	1	8/6/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	8/6/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	8/6/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	8/6/2008
Benzoic acid	ND	100		µg/L	1	8/6/2008
Benzyl alcohol	ND	50		µg/L	1	8/6/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	8/6/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0808012	**Collection Date:**	7/30/2008 2:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	8/6/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	8/6/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	8/6/2008
Butyl benzyl phthalate	ND	50		µg/L	1	8/6/2008
Carbazole	ND	50		µg/L	1	8/6/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	8/6/2008
4-Chloroaniline	ND	50		µg/L	1	8/6/2008
2-Chloronaphthalene	ND	50		µg/L	1	8/6/2008
2-Chlorophenol	ND	50		µg/L	1	8/6/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	8/6/2008
Chrysene	ND	50		µg/L	1	8/6/2008
Di-n-butyl phthalate	ND	50		µg/L	1	8/6/2008
Di-n-octyl phthalate	ND	50		µg/L	1	8/6/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	8/6/2008
Dibenzofuran	ND	50		µg/L	1	8/6/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	8/6/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	8/6/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	8/6/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	8/6/2008
Diethyl phthalate	ND	50		µg/L	1	8/6/2008
Dimethyl phthalate	ND	50		µg/L	1	8/6/2008
2,4-Dichlorophenol	ND	100		µg/L	1	8/6/2008
2,4-Dimethylphenol	ND	50		µg/L	1	8/6/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	8/6/2008
2,4-Dinitrophenol	ND	100		µg/L	1	8/6/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	8/6/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	8/6/2008
Fluoranthene	ND	50		µg/L	1	8/6/2008
Fluorene	ND	50		µg/L	1	8/6/2008
Hexachlorobenzene	ND	50		µg/L	1	8/6/2008
Hexachlorobutadiene	ND	50		µg/L	1	8/6/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	8/6/2008
Hexachloroethane	ND	50		µg/L	1	8/6/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	8/6/2008
Isophorone	ND	50		µg/L	1	8/6/2008
2-Methylnaphthalene	ND	50		µg/L	1	8/6/2008
2-Methylphenol	ND	50		µg/L	1	8/6/2008
3+4-Methylphenol	ND	50		µg/L	1	8/6/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	8/6/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	8/6/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	8/6/2008
Naphthalene	ND	50		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0808012	**Collection Date:**	7/30/2008 2:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Nitroaniline	ND	50		µg/L	1	8/6/2008
3-Nitroaniline	ND	50		µg/L	1	8/6/2008
4-Nitroaniline	ND	50		µg/L	1	8/6/2008
Nitrobenzene	ND	50		µg/L	1	8/6/2008
2-Nitrophenol	ND	50		µg/L	1	8/6/2008
4-Nitrophenol	ND	50		µg/L	1	8/6/2008
Pentachlorophenol	ND	100		µg/L	1	8/6/2008
Phenanthrene	ND	50		µg/L	1	8/6/2008
Phenol	ND	50		µg/L	1	8/6/2008
Pyrene	ND	50		µg/L	1	8/6/2008
Pyridine	ND	50		µg/L	1	8/6/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	8/6/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	8/6/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	8/6/2008
Surr: 2,4,6-Tribromophenol	68.4	16.6-150		%REC	1	8/6/2008
Surr: 2-Fluorobiphenyl	76.6	19.6-134		%REC	1	8/6/2008
Surr: 2-Fluorophenol	58.9	9.54-113		%REC	1	8/6/2008
Surr: 4-Terphenyl-d14	69.2	22.7-145		%REC	1	8/6/2008
Surr: Nitrobenzene-d5	68.3	14.6-134		%REC	1	8/6/2008
Surr: Phenol-d5	40.5	10.7-80.3		%REC	1	8/6/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Toluene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Ethylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Naphthalene	ND	2.0		µg/L	1	8/5/2008 5:03:37 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 5:03:37 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 5:03:37 AM
Acetone	ND	10		µg/L	1	8/5/2008 5:03:37 AM
Bromobenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Bromoform	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Bromomethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
2-Butanone	ND	10		µg/L	1	8/5/2008 5:03:37 AM
Carbon disulfide	ND	10		µg/L	1	8/5/2008 5:03:37 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Chlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0808012	**Collection Date:**	7/30/2008 2:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroethane	ND	2.0		µg/L	1	8/5/2008 5:03:37 AM
Chloroform	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Chloromethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/5/2008 5:03:37 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Dibromomethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/5/2008 5:03:37 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
2-Hexanone	ND	10		µg/L	1	8/5/2008 5:03:37 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/5/2008 5:03:37 AM
Methylene Chloride	ND	3.0		µg/L	1	8/5/2008 5:03:37 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Styrene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/5/2008 5:03:37 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-2C
Lab Order:	0808012	**Collection Date:**	7/30/2008 2:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/5/2008 5:03:37 AM
Vinyl chloride	ND	1.0		µg/L	1	8/5/2008 5:03:37 AM
Xylenes, Total	ND	1.5		µg/L	1	8/5/2008 5:03:37 AM
Surr: 1,2-Dichloroethane-d4	96.3	68.1-123		%REC	1	8/5/2008 5:03:37 AM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	1	8/5/2008 5:03:37 AM
Surr: Dibromofluoromethane	100	68.5-119		%REC	1	8/5/2008 5:03:37 AM
Surr: Toluene-d8	90.9	64-131		%REC	1	8/5/2008 5:03:37 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1400	0.010		µmhos/cm	1	8/4/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	8.83	0.1		pH units	1	8/4/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0808012	**Collection Date:**	7/31/2008 1:50:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.4	0.10		mg/L	1	8/2/2008 1:33:47 AM
Chloride	34	0.10		mg/L	1	8/2/2008 1:33:47 AM
Bromide	0.42	0.10		mg/L	1	8/2/2008 1:33:47 AM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	8/4/2008 2:20:28 PM
Phosphorus, Orthophosphate (As P)	1.1	0.50		mg/L	1	8/2/2008 1:33:47 AM
Sulfate	55	0.50		mg/L	1	8/2/2008 1:33:47 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/8/2008 3:35:55 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	8/8/2008 2:06:19 PM
Barium	0.11	0.010		mg/L	1	8/8/2008 2:06:19 PM
Cadmium	ND	0.0020		mg/L	1	8/8/2008 2:06:19 PM
Calcium	8.3	0.50		mg/L	1	8/8/2008 2:06:19 PM
Chromium	ND	0.0060		mg/L	1	8/8/2008 2:06:19 PM
Copper	ND	0.0060		mg/L	1	8/8/2008 2:06:19 PM
Iron	0.43	0.050		mg/L	1	8/8/2008 2:06:19 PM
Lead	ND	0.0050		mg/L	1	8/8/2008 2:06:19 PM
Magnesium	2.6	0.50		mg/L	1	8/8/2008 2:06:19 PM
Manganese	0.12	0.0020		mg/L	1	8/8/2008 2:06:19 PM
Potassium	ND	1.0		mg/L	1	8/8/2008 2:06:19 PM
Selenium	ND	0.050		mg/L	1	8/8/2008 2:06:19 PM
Silver	ND	0.0050		mg/L	1	8/8/2008 2:06:19 PM
Sodium	370	2.5		mg/L	5	8/8/2008 4:17:46 PM
Zinc	ND	0.020		mg/L	1	8/8/2008 2:06:19 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	8/6/2008
Acenaphthylene	ND	10		µg/L	1	8/6/2008
Aniline	ND	10		µg/L	1	8/6/2008
Anthracene	ND	10		µg/L	1	8/6/2008
Azobenzene	ND	10		µg/L	1	8/6/2008
Benz(a)anthracene	ND	10		µg/L	1	8/6/2008
Benzo(a)pyrene	ND	10		µg/L	1	8/6/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/6/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	8/6/2008
Benzoic acid	ND	20		µg/L	1	8/6/2008
Benzyl alcohol	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/6/2008
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0808012	**Collection Date:**	7/31/2008 1:50:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/6/2008
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/6/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Butyl benzyl phthalate	ND	10		µg/L	1	8/6/2008
Carbazole	ND	10		µg/L	1	8/6/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/6/2008
4-Chloroaniline	ND	10		µg/L	1	8/6/2008
2-Chloronaphthalene	ND	10		µg/L	1	8/6/2008
2-Chlorophenol	ND	10		µg/L	1	8/6/2008
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/6/2008
Chrysene	ND	10		µg/L	1	8/6/2008
Di-n-butyl phthalate	ND	10		µg/L	1	8/6/2008
Di-n-octyl phthalate	ND	10		µg/L	1	8/6/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/6/2008
Dibenzofuran	ND	10		µg/L	1	8/6/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	8/6/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/6/2008
Diethyl phthalate	ND	10		µg/L	1	8/6/2008
Dimethyl phthalate	ND	10		µg/L	1	8/6/2008
2,4-Dichlorophenol	ND	20		µg/L	1	8/6/2008
2,4-Dimethylphenol	ND	10		µg/L	1	8/6/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrophenol	ND	20		µg/L	1	8/6/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	8/6/2008
Fluoranthene	ND	10		µg/L	1	8/6/2008
Fluorene	ND	10		µg/L	1	8/6/2008
Hexachlorobenzene	ND	10		µg/L	1	8/6/2008
Hexachlorobutadiene	ND	10		µg/L	1	8/6/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/6/2008
Hexachloroethane	ND	10		µg/L	1	8/6/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/6/2008
Isophorone	ND	10		µg/L	1	8/6/2008
2-Methylnaphthalene	ND	10		µg/L	1	8/6/2008
2-Methylphenol	ND	10		µg/L	1	8/6/2008
3+4-Methylphenol	ND	10		µg/L	1	8/6/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	8/6/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/6/2008
Naphthalene	ND	10		µg/L	1	8/6/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0808012	**Collection Date:**	7/31/2008 1:50:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Nitroaniline	ND	10		µg/L	1	8/6/2008
3-Nitroaniline	ND	10		µg/L	1	8/6/2008
4-Nitroaniline	ND	10		µg/L	1	8/6/2008
Nitrobenzene	ND	10		µg/L	1	8/6/2008
2-Nitrophenol	ND	10		µg/L	1	8/6/2008
4-Nitrophenol	ND	10		µg/L	1	8/6/2008
Pentachlorophenol	ND	20		µg/L	1	8/6/2008
Phenanthrene	ND	10		µg/L	1	8/6/2008
Phenol	ND	10		µg/L	1	8/6/2008
Pyrene	ND	10		µg/L	1	8/6/2008
Pyridine	ND	10		µg/L	1	8/6/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/6/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/6/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/6/2008
Surr: 2,4,6-Tribromophenol	64.2	16.6-150		%REC	1	8/6/2008
Surr: 2-Fluorobiphenyl	70.7	19.6-134		%REC	1	8/6/2008
Surr: 2-Fluorophenol	51.8	9.54-113		%REC	1	8/6/2008
Surr: 4-Terphenyl-d14	70.3	22.7-145		%REC	1	8/6/2008
Surr: Nitrobenzene-d5	63.6	14.6-134		%REC	1	8/6/2008
Surr: Phenol-d5	33.7	10.7-80.3		%REC	1	8/6/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Toluene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Ethylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Naphthalene	ND	2.0		µg/L	1	8/5/2008 5:32:20 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 5:32:20 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 5:32:20 AM
Acetone	ND	10		µg/L	1	8/5/2008 5:32:20 AM
Bromobenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Bromoform	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Bromomethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
2-Butanone	ND	10		µg/L	1	8/5/2008 5:32:20 AM
Carbon disulfide	ND	10		µg/L	1	8/5/2008 5:32:20 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Chlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0808012	**Collection Date:**	7/31/2008 1:50:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroethane	ND	2.0		µg/L	1	8/5/2008 5:32:20 AM
Chloroform	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Chloromethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/5/2008 5:32:20 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Dibromomethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/5/2008 5:32:20 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
2-Hexanone	ND	10		µg/L	1	8/5/2008 5:32:20 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/5/2008 5:32:20 AM
Methylene Chloride	ND	3.0		µg/L	1	8/5/2008 5:32:20 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Styrene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/5/2008 5:32:20 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3B
Lab Order:	0808012	**Collection Date:**	7/31/2008 1:50:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/5/2008 5:32:20 AM
Vinyl chloride	ND	1.0		µg/L	1	8/5/2008 5:32:20 AM
Xylenes, Total	ND	1.5		µg/L	1	8/5/2008 5:32:20 AM
Surr: 1,2-Dichloroethane-d4	98.4	68.1-123		%REC	1	8/5/2008 5:32:20 AM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	1	8/5/2008 5:32:20 AM
Surr: Dibromofluoromethane	98.1	68.5-119		%REC	1	8/5/2008 5:32:20 AM
Surr: Toluene-d8	91.6	64-131		%REC	1	8/5/2008 5:32:20 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1500	0.010		µmhos/cm	1	8/4/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.95	0.1		pH units	1	8/4/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0808012	**Collection Date:**	8/1/2008 8:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.5	1.0		mg/L	10	8/2/2008 2:43:25 AM
Chloride	34	1.0		mg/L	10	8/2/2008 2:43:25 AM
Bromide	ND	1.0		mg/L	10	8/2/2008 2:43:25 AM
Nitrate (As N)+Nitrite (As N)	ND	2.0		mg/L	10	8/7/2008 9:23:20 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	8/2/2008 2:43:25 AM
Sulfate	240	5.0		mg/L	10	8/2/2008 2:43:25 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/8/2008 3:37:40 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	8/8/2008 2:10:30 PM
Barium	0.27	0.010		mg/L	1	8/8/2008 2:10:30 PM
Cadmium	ND	0.0020		mg/L	1	8/8/2008 2:10:30 PM
Calcium	28	0.50		mg/L	1	8/8/2008 2:10:30 PM
Chromium	[redacted]	0.0060		mg/L	1	8/8/2008 2:10:30 PM
Copper	[redacted]	0.0060		mg/L	1	8/8/2008 2:10:30 PM
Iron	3.0	0.25		mg/L	5	8/8/2008 4:20:18 PM
Lead	ND	0.0050		mg/L	1	8/8/2008 2:10:30 PM
Magnesium	2.2	0.50		mg/L	1	8/8/2008 2:10:30 PM
Manganese	0.41	0.0020		mg/L	1	8/8/2008 2:10:30 PM
Potassium	1.6	1.0		mg/L	1	8/8/2008 2:10:30 PM
Selenium	ND	0.050		mg/L	1	8/8/2008 2:10:30 PM
Silver	ND	0.0050		mg/L	1	8/8/2008 2:10:30 PM
Sodium	350	2.5		mg/L	5	8/8/2008 4:20:18 PM
Zinc	[redacted]	0.020		mg/L	1	8/8/2008 2:10:30 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	8/6/2008
Acenaphthylene	ND	50		µg/L	1	8/6/2008
Aniline	ND	50		µg/L	1	8/6/2008
Anthracene	ND	50		µg/L	1	8/6/2008
Azobenzene	ND	50		µg/L	1	8/6/2008
Benz(a)anthracene	ND	50		µg/L	1	8/6/2008
Benzo(a)pyrene	ND	50		µg/L	1	8/6/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	8/6/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	8/6/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	8/6/2008
Benzoic acid	ND	100		µg/L	1	8/6/2008
Benzyl alcohol	ND	50		µg/L	1	8/6/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	8/6/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	8/6/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0808012	**Collection Date:**	8/1/2008 8:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	8/6/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	8/6/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	8/6/2008
Butyl benzyl phthalate	ND	50		µg/L	1	8/6/2008
Carbazole	ND	50		µg/L	1	8/6/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	8/6/2008
4-Chloroaniline	ND	50		µg/L	1	8/6/2008
2-Chloronaphthalene	ND	50		µg/L	1	8/6/2008
2-Chlorophenol	ND	50		µg/L	1	8/6/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	8/6/2008
Chrysene	ND	50		µg/L	1	8/6/2008
Di-n-butyl phthalate	ND	50		µg/L	1	8/6/2008
Di-n-octyl phthalate	ND	50		µg/L	1	8/6/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	8/6/2008
Dibenzofuran	ND	50		µg/L	1	8/6/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	8/6/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	8/6/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	8/6/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	8/6/2008
Diethyl phthalate	ND	50		µg/L	1	8/6/2008
Dimethyl phthalate	ND	50		µg/L	1	8/6/2008
2,4-Dichlorophenol	ND	100		µg/L	1	8/6/2008
2,4-Dimethylphenol	ND	50		µg/L	1	8/6/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	8/6/2008
2,4-Dinitrophenol	ND	100		µg/L	1	8/6/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	8/6/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	8/6/2008
Fluoranthene	ND	50		µg/L	1	8/6/2008
Fluorene	ND	50		µg/L	1	8/6/2008
Hexachlorobenzene	ND	50		µg/L	1	8/6/2008
Hexachlorobutadiene	ND	50		µg/L	1	8/6/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	8/6/2008
Hexachloroethane	ND	50		µg/L	1	8/6/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	8/6/2008
Isophorone	ND	50		µg/L	1	8/6/2008
2-Methylnaphthalene	ND	50		µg/L	1	8/6/2008
2-Methylphenol	ND	50		µg/L	1	8/6/2008
3+4-Methylphenol	ND	50		µg/L	1	8/6/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	8/6/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	8/6/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	8/6/2008
Naphthalene	ND	50		µg/L	1	8/6/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0808012	**Collection Date:**	8/1/2008 8:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
2-Nitroaniline	ND	50		µg/L	1	8/6/2008
3-Nitroaniline	ND	50		µg/L	1	8/6/2008
4-Nitroaniline	ND	50		µg/L	1	8/6/2008
Nitrobenzene	ND	50		µg/L	1	8/6/2008
2-Nitrophenol	ND	50		µg/L	1	8/6/2008
4-Nitrophenol	ND	50		µg/L	1	8/6/2008
Pentachlorophenol	ND	100		µg/L	1	8/6/2008
Phenanthrene	ND	50		µg/L	1	8/6/2008
Phenol	ND	50		µg/L	1	8/6/2008
Pyrene	ND	50		µg/L	1	8/6/2008
Pyridine	ND	50		µg/L	1	8/6/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	8/6/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	8/6/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	8/6/2008
Surr: 2,4,6-Tribromophenol	64.9	16.6-150		%REC	1	8/6/2008
Surr: 2-Fluorobiphenyl	66.0	19.6-134		%REC	1	8/6/2008
Surr: 2-Fluorophenol	48.5	9.54-113		%REC	1	8/6/2008
Surr: 4-Terphenyl-d14	64.1	22.7-145		%REC	1	8/6/2008
Surr: Nitrobenzene-d5	56.9	14.6-134		%REC	1	8/6/2008
Surr: Phenol-d5	31.8	10.7-80.3		%REC	1	8/6/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Toluene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Ethylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Naphthalene	ND	2.0		µg/L	1	8/5/2008 6:00:59 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 6:00:59 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 6:00:59 AM
Acetone	ND	10		µg/L	1	8/5/2008 6:00:59 AM
Bromobenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Bromoform	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Bromomethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
2-Butanone	ND	10		µg/L	1	8/5/2008 6:00:59 AM
Carbon disulfide	ND	10		µg/L	1	8/5/2008 6:00:59 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Chlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0808012	**Collection Date:**	8/1/2008 8:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chloroethane	ND	2.0		µg/L	1	8/5/2008 6:00:59 AM
Chloroform	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Chloromethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/5/2008 6:00:59 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Dibromomethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/5/2008 6:00:59 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
2-Hexanone	ND	10		µg/L	1	8/5/2008 6:00:59 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/5/2008 6:00:59 AM
Methylene Chloride	ND	3.0		µg/L	1	8/5/2008 6:00:59 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Styrene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/5/2008 6:00:59 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BW-3C
Lab Order:	0808012	**Collection Date:**	8/1/2008 8:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/5/2008 6:00:59 AM
Vinyl chloride	ND	1.0		µg/L	1	8/5/2008 6:00:59 AM
Xylenes, Total	ND	1.5		µg/L	1	8/5/2008 6:00:59 AM
Surr: 1,2-Dichloroethane-d4	97.1	68.1-123		%REC	1	8/5/2008 6:00:59 AM
Surr: 4-Bromofluorobenzene	98.5	53.2-145		%REC	1	8/5/2008 6:00:59 AM
Surr: Dibromofluoromethane	101	68.5-119		%REC	1	8/5/2008 6:00:59 AM
Surr: Toluene-d8	91.2	64-131		%REC	1	8/5/2008 6:00:59 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	1500	0.010		µmhos/cm	1	8/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	8.63	0.1		pH units	1	8/4/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0808012	**Collection Date:**	
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Toluene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Ethylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Naphthalene	ND	2.0		µg/L	1	8/5/2008 6:29:44 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 6:29:44 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/5/2008 6:29:44 AM
Acetone	ND	10		µg/L	1	8/5/2008 6:29:44 AM
Bromobenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Bromoform	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Bromomethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
2-Butanone	ND	10		µg/L	1	8/5/2008 6:29:44 AM
Carbon disulfide	ND	10		µg/L	1	8/5/2008 6:29:44 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Chlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Chloroethane	ND	2.0		µg/L	1	8/5/2008 6:29:44 AM
Chloroform	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Chloromethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/5/2008 6:29:44 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Dibromomethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/5/2008 6:29:44 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
2-Hexanone	ND	10		µg/L	1	8/5/2008 6:29:44 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *27-Aug-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0808012	**Collection Date:**	
Project:	2008 Annual Groundwater Event	**Date Received:**	8/1/2008
Lab ID:	0808012-07	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/5/2008 6:29:44 AM
Methylene Chloride	ND	3.0		µg/L	1	8/5/2008 6:29:44 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Styrene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/5/2008 6:29:44 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/5/2008 6:29:44 AM
Vinyl chloride	ND	1.0		µg/L	1	8/5/2008 6:29:44 AM
Xylenes, Total	ND	1.5		µg/L	1	8/5/2008 6:29:44 AM
Surr: 1,2-Dichloroethane-d4	96.4	68.1-123		%REC	1	8/5/2008 6:29:44 AM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	1	8/5/2008 6:29:44 AM
Surr: Dibromofluoromethane	102	68.5-119		%REC	1	8/5/2008 6:29:44 AM
Surr: Toluene-d8	90.4	64-131		%REC	1	8/5/2008 6:29:44 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080805040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808012
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080805040-001	**Sampling Date**	7/31/2008	**Date/Time Received**	8/5/2008	10:30 AM
Client Sample ID	0808012-01E / BW-1C	**Sampling Time**	8:30 AM	**Extraction Date**	8/12/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00115	mg/L	0.001	8/15/2008	DMB	EPA 6020A	

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080805040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808012
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080805040-002	**Sampling Date**	7/30/2008	**Date/Time Received**	8/5/2008	10:30 AM
Client Sample ID	0808012-02E / BW-2A	**Sampling Time**	9:00 AM	**Extraction Date**	8/12/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	8/15/2008	DMB	EPA 6020A	

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

Anatek Labs, Inc.

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080805040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808012
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080805040-003	**Sampling Date**	7/30/2008	**Date/Time Received**	8/5/2008	10:30 AM
Client Sample ID	0808012-03E / BW-2B	**Sampling Time**	10:30 AM	**Extraction Date**	8/12/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.0115	mg/L	0.001	8/15/2008	DMB	EPA 6020A	

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080805040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808012
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080805040-004	**Sampling Date**	7/30/2008	**Date/Time Received**	8/5/2008	10:30 AM
Client Sample ID	0808012-04E / BW-2C	**Sampling Time**	2:45 PM	**Extraction Date**	8/12/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00728	mg/L	0.001	8/15/2008	DMB	EPA 6020A	

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080805040
Project Name: 0808012

Analytical Results Report

Sample Number	080805040-005	**Sampling Date**	7/31/2008	**Date/Time Received**	8/5/2008	10:30 AM
Client Sample ID	0808012-05E / BW-3B	**Sampling Time**	1:50 PM	**Extraction Date**	8/12/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	8/15/2008	DMB	EPA 6020A	

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080805040
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808012
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080805040-006	**Sampling Date**	8/1/2008	**Date/Time Received**	8/5/2008	10:30 AM
Client Sample ID	0808012-06E / BW-3C	**Sampling Time**	8:00 AM	**Extraction Date**	8/12/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00251	mg/L	0.001	8/15/2008	DMB	EPA 6020A	

Authorized Signature

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

Anatek Labs, Inc.

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080805040
Project Name: 0808012

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Uranium	0.0473	mg/L	0.05	94.6	85-115	8/12/2008	8/15/2008

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
080805040-001	Uranium	0.00115	0.0483	mg/L	0.05	94.3	75-125	8/12/2008	8/15/2008

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Uranium	0.0474	mg/L	0.05	92.5	1.9	0-20	8/12/2008	8/15/2008

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Uranium	ND	mg/L	0.001	8/12/2008	8/15/2008

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

Wednesday, August 27, 2008

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event
Work Order: 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R29597**	Analysis Date:	8/1/2008 9:18:48 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Bromide	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29639**	Analysis Date:	8/4/2008 9:24:30 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Bromide	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R29679**	Analysis Date:	8/7/2008 10:04:22 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Bromide	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R29597**	Analysis Date:	8/1/2008 9:36:13 AM	
Fluoride	0.5057	mg/L	0.10	101	90	110			
Chloride	5.033	mg/L	0.10	101	90	110			
Bromide	2.497	mg/L	0.10	99.9	90	110			
Nitrate (As N)+Nitrite (As N)	3.580	mg/L	0.20	102	90	110			
Phosphorus, Orthophosphate (As P)	4.861	mg/L	0.50	97.2	90	110			
Sulfate	10.09	mg/L	0.50	101	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29639**	Analysis Date:	8/4/2008 9:41:54 AM	
Fluoride	0.4918	mg/L	0.10	98.4	90	110			
Chloride	4.893	mg/L	0.10	97.9	90	110			
Bromide	2.540	mg/L	0.10	102	90	110			
Nitrate (As N)+Nitrite (As N)	3.514	mg/L	0.20	100	90	110			
Phosphorus, Orthophosphate (As P)	5.000	mg/L	0.50	100	90	110			
Sulfate	10.29	mg/L	0.50	103	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R29679**	Analysis Date:	8/7/2008 10:21:47 AM	
Chloride	5.038	mg/L	0.10	101	90	110			
Bromide	2.618	mg/L	0.10	105	90	110			
Nitrate (As N)+Nitrite (As N)	3.599	mg/L	0.20	103	90	110			
Phosphorus, Orthophosphate (As P)	5.032	mg/L	0.50	101	90	110			
Sulfate	10.46	mg/L	0.50	105	90	110			
Sample ID: LCS-b		*LCS*			Batch ID:	**R29679**	Analysis Date:	8/7/2008 7:04:05 PM	
Fluoride	0.5291	mg/L	0.10	106	90	110			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16674		*MBLK*			Batch ID:	**16674**	Analysis Date:		8/6/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
rbazole	ND	µg/L	10						
Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

aliflers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16674		*MBLK*			Batch ID:	**16674**	Analysis Date:		8/6/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16674		*LCS*			Batch ID:	**16674**	Analysis Date:		8/7/2008
Acenaphthene	55.04	µg/L	10	55.0	11	123			
4-Chloro-3-methylphenol	67.46	µg/L	10	33.7	15.4	119			
2-Chlorophenol	79.64	µg/L	10	39.8	12.2	122			
1,4-Dichlorobenzene	45.90	µg/L	10	45.9	16.9	100			
2,4-Dinitrotoluene	55.90	µg/L	10	55.9	13	138			
N-Nitrosodi-n-propylamine	59.24	µg/L	10	59.2	9.93	122			
4-Nitrophenol	42.36	µg/L	10	21.2	12.5	87.4			
Pentachlorophenol	56.14	µg/L	20	28.1	3.55	114			
Phenol	54.36	µg/L	10	27.2	7.53	73.1			
Pyrene	56.24	µg/L	10	56.2	12.6	140			
1,2,4-Trichlorobenzene	42.92	µg/L	10	42.9	17.4	98.7			
Sample ID: lcsd-16674		*LCSD*			Batch ID:	**16674**	Analysis Date:		8/6/2008
Acenaphthene	62.80	µg/L	10	62.8	11	123	13.2	30.5	
4-Chloro-3-methylphenol	97.08	µg/L	10	48.5	15.4	119	36.0	28.6	R
2-Chlorophenol	113.3	µg/L	10	56.7	12.2	122	34.9	107	
1,4-Dichlorobenzene	49.90	µg/L	10	49.9	16.9	100	8.35	62.1	
2,4-Dinitrotoluene	61.94	µg/L	10	61.9	13	138	10.3	14.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16674		*LCSD*			Batch ID:	**16674**	Analysis Date:		8/6/2008
N-Nitrosodi-n-propylamine	67.04	µg/L	10	67.0	9.93	122	12.4	30.3	
4-Nitrophenol	68.84	µg/L	10	34.4	12.5	87.4	47.6	36.3	R
Pentachlorophenol	89.06	µg/L	20	44.5	3.55	114	45.3	49	
Phenol	69.16	µg/L	10	34.6	7.53	73.1	24.0	52.4	
Pyrene	61.18	µg/L	10	61.2	12.6	140	8.41	16.3	
1,2,4-Trichlorobenzene	49.38	µg/L	10	49.4	17.4	98.7	14.0	36.4	
Method: EPA Method 7470: Mercury									
Sample ID: MB-16721		*MBLK*			Batch ID:	**16721**	Analysis Date:	8/8/2008 3:01:50 PM	
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-16721		*LCS*			Batch ID:	**16721**	Analysis Date:	8/8/2008 3:03:33 PM	
Mercury	0.004789	mg/L	0.00020	95.8	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16676		*MBLK*			Batch ID:	**16676**	Analysis Date:	8/8/2008 12:36:37 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Zinc	ND	mg/L	0.020						
Sample ID: MB-16714		*MBLK*			Batch ID:	**16714**	Analysis Date:	8/12/2008 10:57:39 AM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Zinc	ND	mg/L	0.020						
Sample ID: LCS-16676		*LCS*			Batch ID:	**16676**	Analysis Date:	8/8/2008 12:39:41 PM	
Arsenic	0.4558	mg/L	0.020	91.2	80	120			
Barium	0.4695	mg/L	0.010	93.9	80	120			
Cadmium	0.4515	mg/L	0.0020	90.3	80	120			
Calcium	49.55	mg/L	0.50	99.1	80	120			
Chromium	0.4716	mg/L	0.0060	94.3	80	120			
Copper	0.4909	mg/L	0.0060	98.2	80	120			
Iron	0.4831	mg/L	0.050	96.6	80	120			
Lead	0.4437	mg/L	0.0050	88.7	80	120			
Magnesium	50.39	mg/L	0.50	101	80	120			
Manganese	0.4669	mg/L	0.0020	93.4	80	120			
Potassium	54.25	mg/L	1.0	109	80	120			
Selenium	0.4214	mg/L	0.050	84.3	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: LCS-16676		*LCS*			Batch ID:	**16676**	Analysis Date:	8/8/2008 12:39:41 PM	
Silver	0.4772	mg/L	0.0050	95.4	80	120			
Sodium	53.54	mg/L	0.50	107	80	120			
Zinc	0.4601	mg/L	0.020	92.0	80	120			
Sample ID: LCS-16714		*LCS*			Batch ID:	**16714**	Analysis Date:	8/12/2008 11:00:43 AM	
Arsenic	0.5057	mg/L	0.020	101	80	120			
Barium	0.4650	mg/L	0.010	93.0	80	120			
Cadmium	0.4711	mg/L	0.0020	94.2	80	120			
Calcium	49.53	mg/L	0.50	99.1	80	120			
Chromium	0.4722	mg/L	0.0060	94.4	80	120			
Copper	0.4766	mg/L	0.0060	95.3	80	120			
Iron	0.4698	mg/L	0.050	94.0	80	120			
Lead	0.4671	mg/L	0.0050	93.4	80	120			
Magnesium	49.31	mg/L	0.50	98.6	80	120			
Manganese	0.4625	mg/L	0.0020	92.5	80	120			
Potassium	50.47	mg/L	1.0	101	80	120			
Selenium	0.4779	mg/L	0.050	95.6	80	120			
Silver	0.4733	mg/L	0.0050	94.1	80	120			
Sodium	52.15	mg/L	0.50	104	80	120			
ıc	0.4646	mg/L	0.020	92.9	80	120			

alifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event
Work Order: 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29596**	Analysis Date:		8/4/2008 8:42:06 AM
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
rbon Tetrachloride	ND	µg/L	1.0						
lorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

alifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	R29596	Analysis Date:	8/4/2008 8:42:06 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b5		*MBLK*			Batch ID:	R29596	Analysis Date:	8/4/2008 9:23:12 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b5		*MBLK*			Batch ID:	**R29596**	Analysis Date:	8/4/2008 9:23:12 PM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
xachlorobutadiene	ND	µg/L	1.0						
Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29596**	Analysis Date:	8/4/2008 9:39:54 AM	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ıient: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808012

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID: **R29596**		Analysis Date:	8/4/2008 9:39:54 AM	
Benzene	22.36	µg/L	1.0	112	86.8	120			
Toluene	18.80	µg/L	1.0	94.0	64.1	127			
Chlorobenzene	19.23	µg/L	1.0	96.1	82.4	113			
1,1-Dichloroethene	27.46	µg/L	1.0	137	86.5	132			S
Trichloroethene (TCE)	23.81	µg/L	1.0	119	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID: **R29596**		Analysis Date:	8/4/2008 10:20:48 PM	
Benzene	21.82	µg/L	1.0	109	86.8	120			
Toluene	18.43	µg/L	1.0	92.2	64.1	127			
Chlorobenzene	18.62	µg/L	1.0	93.1	82.4	113			
1,1-Dichloroethene	26.65	µg/L	1.0	133	86.5	132			S
Trichloroethene (TCE)	22.66	µg/L	1.0	113	77.3	123			

ıfiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Work Order Number 0808012

Date Received: 8/1/2008

Received by: AT

Checklist completed by: Signature Date 8/1/08

Sample ID labels checked by: Initials BS

Matrix:

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

ctive Action _____

Chain-of-Custody Record

Client: Western Refining Company - Gallup
Mailing Address: Route 3 Box 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: 2008 Annual Groundwater Event
Project #:
Project Manager: Ed Riege
Sampler: Steve Morris
On Ice: ☒ Yes ☐ No
Sample Temperature: 3°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0808012	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem	WQCC Total Metals			Air Bubbles (Y or N)
7-31-08	0830	H_2O	BW-1C			-1										X	X	X	X			
7/30/08	0900	"	BW-2A			-2										X	X	X	X			
"	1030	"	BW-2B			-3										X	X	X	X			
"	1445	"	BW-2C			-4										X	X	X	X			
7-31-08	1350	"	BW-3B			-5										X	X	X	X			
8-1-08	0800	"	BW-3C			-6										X	X	X	X			
			Trip Blank			-7									X							

Date:	Time:	Relinquished by:	Received by:	Date	Time
8/1/08	1320	Steve Morris	Ann Shum	8/1/08	1320
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

MW-1, 4

COVER LETTER

Wednesday, September 17, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 Annual Groundwater Event

Order No.: 0808113

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 8/6/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	[redacted]
Lab Order:	0808113	**Collection Date:**	8/4/2008 11:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/6/2008
Lab ID:	0808113-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/11/2008 8:33:34 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/11/2008 8:33:34 PM
Surr: DNOP	121	58-140		%REC	1	8/11/2008 8:33:34 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/15/2008 4:18:08 PM
Surr: BFB	81.4	79.2-121		%REC	1	8/15/2008 4:18:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	0.81	0.10		mg/L	1	8/27/2008 12:17:55 PM
Chloride	5	1.0		mg/L	10	8/27/2008 12:35:20 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	8/27/2008 12:52:45 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	8/27/2008 12:17:55 PM
Sulfate	160	5.0		mg/L	10	8/27/2008 12:35:20 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/20/2008 6:04:08 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	8/25/2008 9:40:26 AM
Barium	ND	0.020		mg/L	1	8/25/2008 9:40:26 AM
Cadmium	ND	0.0020		mg/L	1	8/25/2008 9:40:26 AM
Calcium	17	1.0		mg/L	1	8/25/2008 9:40:26 AM
Chromium	ND	0.0060		mg/L	1	8/25/2008 9:40:26 AM
Lead	ND	0.0050		mg/L	1	8/25/2008 9:40:26 AM
Magnesium	ND	1.0		mg/L	1	8/25/2008 9:40:26 AM
Potassium	ND	1.0		mg/L	1	8/25/2008 9:40:26 AM
Selenium	ND	0.050		mg/L	1	8/25/2008 9:40:26 AM
Silver	ND	0.0050		mg/L	1	8/25/2008 9:40:26 AM
Sodium	260	10		mg/L	10	8/26/2008 4:54:34 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	8/18/2008 11:42:53 AM
Barium	ND	0.020		mg/L	1	8/18/2008 11:42:53 AM
Cadmium	ND	0.0020		mg/L	1	8/18/2008 11:42:53 AM
Chromium	ND	0.0060		mg/L	1	8/18/2008 11:42:53 AM
Lead	ND	0.0050		mg/L	1	8/18/2008 11:42:53 AM
Selenium	ND	0.050		mg/L	1	8/18/2008 11:42:53 AM
Silver	ND	0.0050		mg/L	1	8/18/2008 11:42:53 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1100	0.010		µmhos/cm	1	8/8/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-1
Lab Order:	0808113	**Collection Date:**	8/4/2008 11:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/6/2008
Lab ID:	0808113-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
SM4500-H+B: PH						Analyst: **KMS**
pH	8.95	0.1		pH units	1	8/8/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Sep-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0808113
Project: 2008 Annual Groundwater Event
Lab ID: 0808113-02

Client Sample ID: [redacted]
Collection Date: 8/5/2008 1:40:00 PM
Date Received: 8/6/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	[redacted]	1.0		mg/L	1	8/11/2008 9:42:18 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/11/2008 9:42:18 PM
Surr: DNOP	121	58-140		%REC	1	8/11/2008 9:42:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	[redacted]	0.050		mg/L	1	8/15/2008 4:48:16 PM
Surr: BFB	83.6	79.2-121		%REC	1	8/15/2008 4:48:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **IC**
Fluoride	[redacted]	0.10		mg/L	1	8/27/2008 1:10:10 PM
Chloride	[redacted]	0.10		mg/L	1	8/27/2008 1:10:10 PM
Nitrate (As N)+Nitrite (As N)	ND	1.0		mg/L	5	8/27/2008 1:44:59 PM
Phosphorus, Orthophosphate (As P)	ND	0.50	H	mg/L	1	8/27/2008 1:10:10 PM
Sulfate	[redacted]	5.0		mg/L	10	8/27/2008 1:27:34 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/20/2008 6:05:55 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	8/25/2008 9:44:35 AM
Barium	ND	0.020		mg/L	1	8/25/2008 9:44:35 AM
Cadmium	ND	0.0020		mg/L	1	8/25/2008 9:44:35 AM
Calcium	[redacted]	1.0		mg/L	1	8/25/2008 9:44:35 AM
Chromium	ND	0.0060		mg/L	1	8/25/2008 9:44:35 AM
Lead	ND	0.0050		mg/L	1	8/25/2008 9:44:35 AM
Magnesium	ND	1.0		mg/L	1	8/25/2008 9:44:35 AM
Potassium	ND	1.0		mg/L	1	8/25/2008 9:44:35 AM
Selenium	ND	0.050		mg/L	1	8/25/2008 9:44:35 AM
Silver	ND	0.0050		mg/L	1	8/25/2008 9:44:35 AM
Sodium	[redacted]	10		mg/L	10	8/26/2008 4:56:49 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Antimony	ND	0.050		mg/L	1	8/18/2008 11:47:08 AM
Arsenic	ND	0.020		mg/L	1	8/18/2008 11:47:08 AM
Barium	ND	0.020		mg/L	1	8/18/2008 11:47:08 AM
Beryllium	ND	0.0030		mg/L	1	8/18/2008 11:47:08 AM
Cadmium	ND	0.0020		mg/L	1	8/18/2008 11:47:08 AM
Chromium	ND	0.0060		mg/L	1	8/18/2008 11:47:08 AM
Cobalt	ND	0.0060		mg/L	1	8/18/2008 11:47:08 AM
Lead	ND	0.0050		mg/L	1	8/18/2008 11:47:08 AM
Nickel	ND	0.010		mg/L	1	8/18/2008 11:47:08 AM
Selenium	ND	0.050		mg/L	1	8/18/2008 11:47:08 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-4
Lab Order:	0808113	**Collection Date:**	8/5/2008 1:40:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/6/2008
Lab ID:	0808113-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Silver	ND	0.0050		mg/L	1	8/18/2008 11:47:08 AM
Vanadium	ND	0.050		mg/L	1	8/18/2008 11:47:08 AM
Zinc	ND	0.050		mg/L	1	8/18/2008 11:47:08 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1200	0.010		µmhos/cm	1	8/8/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	8.63	0.1		pH units	1	8/8/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0808113	**Collection Date:**	
Project:	2008 Annual Groundwater Event	**Date Received:**	8/6/2008
Lab ID:	0808113-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/15/2008 5:18:26 PM
Surr: BFB	83.0	79.2-121		%REC	1	8/15/2008 5:18:26 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number 080811001-001 **Sampling Date** 8/4/2008 **Date/Time Received** 8/8/2008 10:45 AM
Client Sample ID 0808113-01A / MW-1 **Sampling Time** 11:00 AM
Matrix: Water

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.1	8/13/2008	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Total Xylene	ND	ug/L	0.5			EPA 8260B	

Surrogate Data

Sample Number 080811001-001

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	91.0	70-130
4-Bromofluorobenzene	EPA 8260B	95.4	70-130
Toluene-d8	EPA 8260B	99.4	70-130

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number 080811001-004 **Sampling Date** 8/5/2008 **Date/Time Received** 8/8/2008 10:45 AM
Client Sample ID 0808113-02A / MW-4 **Sampling Time** 1:40 PM
Matrix: Water

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.1	8/13/2008	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Total Xylene	ND	ug/L	0.5			EPA 8260B	

Surrogate Data

Sample Number 080811001-004

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	93.1	70-130
4-Bromofluorobenzene	EPA 8260B	95.8	70-130
Toluene-d8	EPA 8260B	100.1	70-130

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number 080811001-007 **Sampling Date** 8/4/2008 **Date/Time Received** 8/8/2008 10:45 AM
Client Sample ID Trip Blank **Sampling Time**
Matrix: Water

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1-Trichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1,2,2-Tetrachloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.1	8/13/2008	CAS	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Acetone	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
Benzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chloroform	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Chloromethane	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	8/13/2008	CAS	EPA 8260B	
o-Xylene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Styrene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Toluene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	8/13/2008	CAS	EPA 8260B	
Total Xylene	ND	ug/L	0.5			EPA 8260B	

Surrogate Data

Sample Number 080811001-007

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	93.3	70-130
4-Bromofluorobenzene	EPA 8260B	96.2	70-130
Toluene-d8	EPA 8260B	100.8	70-130

Authorized Signature

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number	080811001-002	**Sampling Date**	8/4/2008	**Date/Time Received**	8/8/2008	10:45 AM
Client Sample ID	0808113-01B / MW-1	**Sampling Time**	11:00 AM	**Extraction Date**	8/11/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Anthracene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Fluorene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Naphthalene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number	080811001-002	**Sampling Date**	8/4/2008	**Date/Time Received**	8/8/2008	10:45 AM
Client Sample ID	0808113-01B / MW-1	**Sampling Time**	11:00 AM	**Extraction Date**	8/11/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Phenanthrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Phenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Pyrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Pyridine	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1,4-Dioxane	ND	ug/L	5	8/25/2008	EMP	EPA 8270CMOD	
5-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
6-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzenethiole	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270CMOD	
Benzo(j)fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Dibenz[a,j]acridine	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Quinoline	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	

Surrogate Data

Sample Number 080811001-002

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	71.4	10-123
2-Fluorobiphenyl	EPA 8270C	62.1	19-130
2-Fluorophenol	EPA 8270C	53.9	21-110
Nitrobenzene-d5	EPA 8270C	58.1	25-130
Phenol-d5	EPA 8270C	60.7	10-110
Terphenyl-d14	EPA 8270C	76.4	10-125

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number	080811001-005	**Sampling Date**	8/5/2008	**Date/Time Received**	8/8/2008	10:45 AM
Client Sample ID	0808113-02B / MW-4	**Sampling Time**	1:40 PM	**Extraction Date**	8/11/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Anthracene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Bis(2-Ethylhexyl)phthalate	6.79	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Fluorene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Naphthalene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Phenol	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number	080811001-005	**Sampling Date**	8/5/2008	**Date/Time Received**	8/8/2008	10:45 AM
Client Sample ID	0808113-02B / MW-4	**Sampling Time**	1:40 PM	**Extraction Date**	8/11/2008	
Matrix:	Water					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Pyrene	ND	ug/L	0.1	8/21/2008	EMP	EPA 8270C	
Pyridine	ND	ug/L	0.5	8/21/2008	EMP	EPA 8270C	
1,4-Dioxane	ND	ug/L	5	8/25/2008	EMP	EPA 8270CMOD	
5-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
6-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzenethiole	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270CMOD	
Benzo(j)fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Dibenz[a,j]acridine	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Quinoline	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	

Surrogate Data

Sample Number 080811001-005

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	87.6	10-123
2-Fluorobiphenyl	EPA 8270C	81.2	19-130
2-Fluorophenol	EPA 8270C	69.5	21-110
Nitrobenzene-d5	EPA 8270C	78.5	25-130
Phenol-d5	EPA 8270C	76.2	10-110
Terphenyl-d14	EPA 8270C	87.6	10-125

Authorized Signature John W. Cobb

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080811001
Project Name: 0808113

Analytical Results Report

Sample Number	080811001-003	**Sampling Date**	8/4/2008	**Date/Time Received**	8/8/2008 10:45 AM
Client Sample ID	0808113-01F / MW-1	**Sampling Time**	11:00 AM	**Extraction Date**	8/11/2008
Matrix:	Water	**Sample Location**			

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	8/12/2008	ETL	SM4500CNE	

Sample Number	080811001-006	**Sampling Date**	8/5/2008	**Date/Time Received**	8/8/2008 10:45 AM
Client Sample ID	0808113-02F / MW-4	**Sampling Time**	1:40 PM	**Extraction Date**	8/11/2008
Matrix:	Water	**Sample Location**			

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	8/12/2008	ETL	SM4500CNE	

Authorized Signature

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00189; CA:Cert2632; ID:WA00189; WA:C1287

Thursday, August 28, 2008

Anatek Labs, Inc.

1282 Alturas Drive • Moscow, ID 83843 • (208) 883-2839 • Fax (208) 882-9246 • email moscow@anateklabs.com
504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080814035
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808113
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080814035-001	**Sampling Date**	8/5/2008	**Date/Time Received**	8/14/2008	10:45 AM
Client Sample ID	0808113-02G / MW-4	**Sampling Time**	1:40 PM	**Extraction Date**	8/22/2008	
Matrix:	Water	**Sample Location**				

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	8/28/2008	DMB	EPA 6020A	

Authorized Signature

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080814035
Project Name: 0808113

Analytical Results Report
Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Antimony	0.0519	mg/L	0.05	103.8	85-115	8/22/2008	8/26/2008

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
080813034-003	Antimony	ND	0.0518	mg/L	0.05	103.6	75-125	8/22/2008	8/26/2008

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Antimony	0.0560	mg/L	0.05	112.0	7.8	0-20	8/22/2008	8/26/2008

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Antimony	ND	mg/L	0.001	8/22/2008	8/26/2008

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

Wednesday, August 27, 2008

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event
Work Order: 0808113

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R29973**	Analysis Date:	8/27/2008 11:08:18 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R29973**	Analysis Date:	8/27/2008 11:25:43 AM	
Fluoride	0.5042	mg/L	0.10	101	90	110			
Chloride	4.949	mg/L	0.10	99.0	90	110			
Nitrate (As N)+Nitrite (As N)	3.456	mg/L	0.20	98.7	90	110			
Phosphorus, Orthophosphate (As P)	5.036	mg/L	0.50	101	90	110			
Sulfate	10.09	mg/L	0.50	101	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-16727		*MBLK*			Batch ID:	**16727**	Analysis Date:	8/11/2008 3:21:20 PM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-16727		*LCS*			Batch ID:	**16727**	Analysis Date:	8/11/2008 3:56:17 PM	
Diesel Range Organics (DRO)	5.997	mg/L	1.0	120	74	157			
ple ID: LCSD-16727		*LCSD*			Batch ID:	**16727**	Analysis Date:	8/11/2008 4:31:13 PM	
Diesel Range Organics (DRO)	5.243	mg/L	1.0	105	74	157	13.4	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0808113-01A-MSD		*MSD*			Batch ID:	**R29799**	Analysis Date:	8/15/2008 6:48:34 PM	
Gasoline Range Organics (GRO)	0.4844	mg/L	0.050	96.9	80	115	1.07	8.39	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29799**	Analysis Date:	8/15/2008 9:23:39 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: MB-16787		*MBLK*			Batch ID:	**R29799**	Analysis Date:	8/15/2008 1:14:38 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: LCS-GRO		*LCS*			Batch ID:	**R29799**	Analysis Date:	8/15/2008 5:48:18 PM	
Gasoline Range Organics (GRO)	0.4956	mg/L	0.050	99.1	80	115			
Sample ID: LCS-16787		*LCS*			Batch ID:	**R29799**	Analysis Date:	8/15/2008 2:17:33 PM	
Gasoline Range Organics (GRO)	0.5154	mg/L	0.050	103	80	115			
Sample ID: LCSD-16787		*LCSD*			Batch ID:	**R29799**	Analysis Date:	8/15/2008 2:47:43 PM	
Gasoline Range Organics (GRO)	0.5306	mg/L	0.050	106	80	115	2.91	8.39	
Sample ID: 0808113-01A-MS		*MS*			Batch ID:	**R29799**	Analysis Date:	8/15/2008 6:18:28 PM	
Gasoline Range Organics (GRO)	0.4896	mg/L	0.050	97.9	80	115			
Method: EPA Method 7470: Mercury									
Sample ID: MB-16832		*MBLK*			Batch ID:	**16832**	Analysis Date:	8/20/2008 5:46:23 PM	
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-16832		*LCS*			Batch ID:	**16832**	Analysis Date:	8/20/2008 5:48:06 PM	
Mercury	0.005056	mg/L	0.00020	100	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event
Work Order: 0808113

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals									
Sample ID: MB		*MBLK*			Batch ID:	**R29902**	Analysis Date:	8/25/2008 8:49:37 AM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.020						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	1.0						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	1.0						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sample ID: MB		*MBLK*			Batch ID:	**R29935**	Analysis Date:	8/26/2008 2:28:11 PM	
Calcium	ND	mg/L	1.0						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	1.0						
Potassium	ND	mg/L	1.0						
Sodium	ND	mg/L	1.0						
Sample ID: LCS		*LCS*			Batch ID:	**R29902**	Analysis Date:	8/25/2008 8:54:16 AM	
Arsenic	0.4524	mg/L	0.020	90.5	80	120			
Barium	0.4744	mg/L	0.020	94.9	80	120			
Cadmium	0.4777	mg/L	0.0020	95.5	80	120			
Calcium	51.23	mg/L	1.0	101	80	120			
Chromium	0.5054	mg/L	0.0060	101	80	120			
Lead	0.4640	mg/L	0.0050	92.8	80	120			
Magnesium	50.46	mg/L	1.0	99.9	80	120			
Potassium	52.48	mg/L	1.0	95.4	80	120			
Selenium	0.4668	mg/L	0.050	93.4	80	120			
Silver	0.4817	mg/L	0.0050	96.3	80	120			
Sample ID: LCS		*LCS*			Batch ID:	**R29935**	Analysis Date:	8/26/2008 4:03:19 PM	
Calcium	49.91	mg/L	1.0	98.8	80	120			
Lead	0.5090	mg/L	0.0050	102	80	120			
Magnesium	49.69	mg/L	1.0	98.4	80	120			
Potassium	53.30	mg/L	1.0	96.9	80	120			
Sodium	48.92	mg/L	1.0	96.9	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
roject: 2008 Annual Groundwater Event

Work Order: 0808113

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16726		*MBLK*			Batch ID:	**16726**	Analysis Date:	8/18/2008 10:38:36 AM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Beryllium	ND	mg/L	0.0030						
Cadmium	ND	mg/L	0.0020						
Chromium	ND	mg/L	0.0060						
Cobalt	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Nickel	ND	mg/L	0.010						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Vanadium	ND	mg/L	0.050						
Zinc	ND	mg/L	0.020						
Sample ID: LCS-16726		*LCS*			Batch ID:	**16726**	Analysis Date:	8/18/2008 10:41:36 AM	
Arsenic	0.4928	mg/L	0.020	98.6	80	120			
Barium	0.4962	mg/L	0.010	99.2	80	120			
Beryllium	0.5258	mg/L	0.0030	105	80	120			
Cadmium	0.5034	mg/L	0.0020	101	80	120			
Chromium	0.5050	mg/L	0.0060	101	80	120			
alt	0.5058	mg/L	0.0060	101	80	120			
ad	0.4921	mg/L	0.0050	98.4	80	120			
Nickel	0.4807	mg/L	0.010	96.1	80	120			
Selenium	0.5034	mg/L	0.050	101	80	120			
Silver	0.5034	mg/L	0.0050	101	80	120			
Vanadium	0.5209	mg/L	0.050	104	80	120			
Zinc	0.4880	mg/L	0.020	97.6	80	120			

alifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 8/6/2008

Work Order Number 0808113

Received by: AT

Checklist completed by: Signature Date 8/6/08

Sample ID labels checked by: AT Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Ch[illegible]-of-Custody Record

Client: Western Refining Company - Gallup

Mailing Address: Route 3 Box 7 Gallup, NM 87301

Phone #: 505 7223833

email or Fax#: 505 7220210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: 2008 Annual Groundwater Event

Project #:

Project Manager: Ed Riege

Sampler: Steve Morris

On Ice: ☒ Yes ☐ No

Sample Temperature: 6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0308113	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals Total and Dissolved	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem Cyanide	Gen Chem Alkalinity	Gen Chem Cations	Air Bubbles (Y or N)
8-4-08	1100	H_2O	MW-1			-1			X				X			X	X	X	X	X	
8-5-08	1340	"	MW-4 *			-2			X				X			X	X	X	X	X	
			Trip Blank			-3															

Date:	Time:	Relinquished by:	Received by:	Date	Time
8-6-08	1405	Steve Morris	[illegible]	8/6/08	1405
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity.
* See Modified Skinner List.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

MW-5, SWM-2, SWM-4
OW-11,

COVER LETTER

Tuesday, September 16, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 Annual Groundwater Event

Order No.: 0808260

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 8/15/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	0808260	**Collection Date:**	8/13/2008 3:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/18/2008 8:02:42 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/18/2008 8:02:42 PM
Surr: DNOP	128	58-140		%REC	1	8/18/2008 8:02:42 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	8/26/2008 5:25:15 AM
Surr: BFB	82.5	79.2-121		%REC	1	8/26/2008 5:25:15 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.85	0.10		mg/L	1	8/15/2008 3:02:57 PM
Chloride	163	1.0		mg/L	10	8/15/2008 3:20:21 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	8/15/2008 3:02:57 PM
Bromide	0.15	0.10		mg/L	1	8/15/2008 3:02:57 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	8/15/2008 3:02:57 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	8/15/2008 3:02:57 PM
Sulfate	180	5.0		mg/L	10	8/15/2008 3:20:21 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/27/2008 4:51:09 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	9/5/2008 12:30:27 PM
Barium	ND	0.020		mg/L	1	9/5/2008 12:30:27 PM
Cadmium	ND	0.0020		mg/L	1	9/5/2008 12:30:27 PM
Calcium	174	1.0		mg/L	1	9/5/2008 12:30:27 PM
Chromium	ND	0.0060		mg/L	1	9/5/2008 12:30:27 PM
Lead	ND	0.0050		mg/L	1	9/5/2008 12:30:27 PM
Magnesium	ND	1.0		mg/L	1	9/5/2008 12:30:27 PM
Potassium	ND	1.0		mg/L	1	9/5/2008 12:30:27 PM
Selenium	ND	0.050		mg/L	1	9/5/2008 12:30:27 PM
Silver	ND	0.0050		mg/L	1	9/5/2008 12:30:27 PM
Sodium	260	10		mg/L	10	9/5/2008 2:10:43 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/2/2008 1:00:33 PM
Barium	ND	0.020		mg/L	1	9/2/2008 10:26:21 AM
Beryllium	ND	0.0030		mg/L	1	9/2/2008 10:26:21 AM
Cadmium	ND	0.0020		mg/L	1	9/2/2008 10:26:21 AM
Chromium	ND	0.0060		mg/L	1	9/2/2008 10:26:21 AM
Cobalt	ND	0.0060		mg/L	1	9/2/2008 10:26:21 AM
Lead	ND	0.0050		mg/L	1	9/2/2008 10:26:21 AM
Nickel	ND	0.010		mg/L	1	9/2/2008 10:26:21 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	MW-5
Lab Order:	0808260	**Collection Date:**	8/13/2008 3:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Selenium	ND	0.050		mg/L	1	9/2/2008 1:00:33 PM
Silver	ND	0.0050		mg/L	1	9/2/2008 10:26:21 AM
Vanadium	ND	0.050		mg/L	1	9/2/2008 10:26:21 AM
Zinc	ND	0.050		mg/L	1	9/2/2008 10:26:21 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	1200	0.010		µmhos/cm	1	8/20/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	9.02	0.1		pH units	1	8/15/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	0808260	**Collection Date:**	8/14/2008 9:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	8/18/2008 8:36:49 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/18/2008 8:36:49 PM
Surr: DNOP	128	58-140		%REC	1	8/18/2008 8:36:49 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.36	0.050		mg/L	1	8/26/2008 5:55:39 AM
Surr: BFB	1690	79.2-121	S	%REC	1	8/26/2008 5:55:39 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.36	0.10		mg/L	1	8/15/2008 3:37:46 PM
Chloride	2000	5.0		mg/L	50	8/28/2008 2:08:23 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	8/15/2008 3:55:11 PM
Bromide	3.1	0.10		mg/L	1	8/15/2008 3:37:46 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	8/15/2008 3:37:46 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	8/15/2008 3:37:46 PM
Sulfate	1600	25		mg/L	50	8/28/2008 2:08:23 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/27/2008 4:52:56 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	9/5/2008 12:34:26 PM
Barium	ND	0.020		mg/L	1	9/5/2008 12:34:26 PM
Cadmium	ND	0.0020		mg/L	1	9/5/2008 12:34:26 PM
Calcium	200	10		mg/L	10	9/5/2008 2:13:11 PM
Chromium	ND	0.0060		mg/L	1	9/5/2008 12:34:26 PM
Lead	ND	0.0050		mg/L	1	9/5/2008 12:34:26 PM
Magnesium	64	1.0		mg/L	1	9/5/2008 12:34:26 PM
Potassium	ND	1.0		mg/L	1	9/5/2008 12:34:26 PM
Selenium	ND	0.25		mg/L	5	9/8/2008 1:13:53 PM
Silver	ND	0.0050		mg/L	1	9/5/2008 12:34:26 PM
Sodium	1900	100		mg/L	100	9/5/2008 2:15:51 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/2/2008 1:03:02 PM
Barium	ND	0.020		mg/L	1	9/2/2008 10:29:49 AM
Beryllium	ND	0.0030		mg/L	1	9/2/2008 10:29:49 AM
Cadmium	ND	0.0020		mg/L	1	9/2/2008 10:29:49 AM
Chromium	0.0092	0.0060		mg/L	1	9/2/2008 10:29:49 AM
Cobalt	ND	0.0060		mg/L	1	9/2/2008 10:29:49 AM
Lead	ND	0.0050		mg/L	1	9/2/2008 10:29:49 AM
Nickel	0.017	0.010		mg/L	1	9/2/2008 10:29:49 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-2
Lab Order:	0808260	**Collection Date:**	8/14/2008 9:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Selenium	ND	0.050		mg/L	1	9/2/2008 1:03:02 PM
Silver	ND	0.0050		mg/L	1	9/2/2008 10:29:49 AM
Vanadium	ND	0.050		mg/L	1	9/2/2008 10:29:49 AM
Zinc	0.11	0.050		mg/L	1	9/2/2008 10:29:49 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	8700	0.010		µmhos/cm	1	8/20/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.25	0.1		pH units	1	8/15/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	[redacted]
Lab Order:	0808260	**Collection Date:**	8/14/2008 1:30:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	[redacted]	1.0		mg/L	1	8/18/2008 9:44:57 PM
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	8/18/2008 9:44:57 PM
Surr: DNOP	124	58-140		%REC	1	8/18/2008 9:44:57 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	[redacted]	0.050		mg/L	1	8/26/2008 6:25:59 AM
Surr: BFB	88.1	79.2-121		%REC	1	8/26/2008 6:25:59 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	[redacted]	0.10		mg/L	1	8/15/2008 4:12:36 PM
Chloride	[redacted]	1.0		mg/L	10	8/15/2008 4:30:01 PM
Nitrogen, Nitrite (As N)	[redacted]	0.10		mg/L	1	8/15/2008 4:12:36 PM
Bromide	[redacted]	0.10		mg/L	1	8/15/2008 4:12:36 PM
Nitrogen, Nitrate (As N)	[redacted]	0.10		mg/L	1	8/15/2008 4:12:36 PM
Phosphorus, Orthophosphate (As P)	[redacted]	0.50		mg/L	1	8/15/2008 4:12:36 PM
Sulfate	[redacted]	5.0		mg/L	10	8/15/2008 4:30:01 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/27/2008 4:54:43 PM
EPA METHOD 6010B: DISSOLVED METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	9/5/2008 12:40:08 PM
Barium	ND	0.020		mg/L	1	9/5/2008 12:40:08 PM
Cadmium	ND	0.0020		mg/L	1	9/5/2008 12:40:08 PM
Calcium	[redacted]	1.0		mg/L	1	9/5/2008 12:40:08 PM
Chromium	ND	0.0060		mg/L	1	9/5/2008 12:40:08 PM
Lead	ND	0.0050		mg/L	1	9/5/2008 12:40:08 PM
Magnesium	ND	1.0		mg/L	1	9/5/2008 12:40:08 PM
Potassium	ND	1.0		mg/L	1	9/5/2008 12:40:08 PM
Selenium	ND	0.050		mg/L	1	9/5/2008 12:40:08 PM
Silver	ND	0.0050		mg/L	1	9/5/2008 12:40:08 PM
Sodium	[redacted]	10		mg/L	10	9/5/2008 2:20:11 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/2/2008 1:06:20 PM
Barium	ND	0.020		mg/L	1	9/2/2008 10:39:29 AM
Beryllium	ND	0.0030		mg/L	1	9/2/2008 10:39:29 AM
Cadmium	ND	0.0020		mg/L	1	9/2/2008 10:39:29 AM
Chromium	ND	0.0060		mg/L	1	9/2/2008 10:39:29 AM
Cobalt	[redacted]	0.0060		mg/L	1	9/2/2008 10:39:29 AM
Lead	ND	0.0050		mg/L	1	9/2/2008 10:39:29 AM
Nickel	ND	0.010		mg/L	1	9/2/2008 10:39:29 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	SMW-4
Lab Order:	0808260	**Collection Date:**	8/14/2008 1:30:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Selenium	ND	0.050		mg/L	1	9/2/2008 1:06:20 PM
Silver	ND	0.0050		mg/L	1	9/2/2008 10:39:29 AM
Vanadium	[redacted]	0.050		mg/L	1	9/2/2008 10:39:29 AM
Zinc	ND	0.050		mg/L	1	9/2/2008 10:39:29 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	[redacted]	0.010		µmhos/cm	1	8/20/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	[redacted]	0.1		pH units	1	8/15/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	[redacted]
Lab Order:	0808260	**Collection Date:**	8/14/2008 4:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	[redacted]	0.10		mg/L	1	8/15/2008 5:22:15 PM
Chloride	[redacted]	1.0		mg/L	10	8/15/2008 5:39:39 PM
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	8/15/2008 5:22:15 PM
Bromide	[redacted]	0.10		mg/L	1	8/15/2008 5:22:15 PM
Nitrogen, Nitrate (As N)	[redacted]	0.10		mg/L	1	8/15/2008 5:22:15 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	8/15/2008 5:22:15 PM
Sulfate	[redacted]	10		mg/L	20	8/28/2008 2:25:48 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/27/2008 4:56:31 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/2/2008 1:08:29 PM
Barium	ND	0.010		mg/L	1	9/2/2008 10:41:58 AM
Cadmium	ND	0.0020		mg/L	1	9/2/2008 10:41:58 AM
[redacted]	[redacted]	0.50		mg/L	1	9/2/2008 10:41:58 AM
Chromium	ND	0.0060		mg/L	1	9/2/2008 10:41:58 AM
Copper	ND	0.0060		mg/L	1	9/2/2008 10:41:58 AM
Iron	ND	0.050		mg/L	1	9/2/2008 10:41:58 AM
Lead	ND	0.0050		mg/L	1	9/2/2008 10:41:58 AM
[redacted]	[redacted]	0.50		mg/L	1	9/2/2008 10:41:58 AM
[redacted]	[redacted]	0.0020		mg/L	1	9/2/2008 10:41:58 AM
[redacted]	[redacted]	1.0		mg/L	1	9/2/2008 10:41:58 AM
Selenium	ND	0.050		mg/L	1	9/2/2008 1:08:29 PM
Silver	ND	0.0050		mg/L	1	9/2/2008 10:41:58 AM
[redacted]	[redacted]	5.0		mg/L	10	9/2/2008 10:47:47 AM
Zinc	ND	0.020		mg/L	1	9/2/2008 10:41:58 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	10		µg/L	1	8/21/2008
Acenaphthylene	ND	10		µg/L	1	8/21/2008
Aniline	ND	10		µg/L	1	8/21/2008
Anthracene	ND	10		µg/L	1	8/21/2008
Azobenzene	ND	10		µg/L	1	8/21/2008
Benz(a)anthracene	ND	10		µg/L	1	8/21/2008
Benzo(a)pyrene	ND	10		µg/L	1	8/21/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	8/21/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	8/21/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	8/21/2008
Benzoic acid	ND	20		µg/L	1	8/21/2008
Benzyl alcohol	ND	10		µg/L	1	8/21/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	8/21/2008

Qualifiers:

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- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	0808260	**Collection Date:**	8/14/2008 4:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Bis(2-chloroethyl)ether	ND	10		µg/L	1	8/21/2008
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	8/21/2008
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	8/21/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	8/21/2008
Butyl benzyl phthalate	ND	10		µg/L	1	8/21/2008
Carbazole	ND	10		µg/L	1	8/21/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	8/21/2008
4-Chloroaniline	ND	10		µg/L	1	8/21/2008
2-Chloronaphthalene	ND	10		µg/L	1	8/21/2008
2-Chlorophenol	ND	10		µg/L	1	8/21/2008
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	8/21/2008
Chrysene	ND	10		µg/L	1	8/21/2008
Di-n-butyl phthalate	ND	10		µg/L	1	8/21/2008
Di-n-octyl phthalate	ND	10		µg/L	1	8/21/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	8/21/2008
Dibenzofuran	ND	10		µg/L	1	8/21/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	8/21/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	8/21/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	8/21/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	8/21/2008
Diethyl phthalate	ND	10		µg/L	1	8/21/2008
Dimethyl phthalate	ND	10		µg/L	1	8/21/2008
2,4-Dichlorophenol	ND	20		µg/L	1	8/21/2008
2,4-Dimethylphenol	ND	10		µg/L	1	8/21/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	8/21/2008
2,4-Dinitrophenol	ND	20		µg/L	1	8/21/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	8/21/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	8/21/2008
Fluoranthene	ND	10		µg/L	1	8/21/2008
Fluorene	ND	10		µg/L	1	8/21/2008
Hexachlorobenzene	ND	10		µg/L	1	8/21/2008
Hexachlorobutadiene	ND	10		µg/L	1	8/21/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	8/21/2008
Hexachloroethane	ND	10		µg/L	1	8/21/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	8/21/2008
Isophorone	ND	10		µg/L	1	8/21/2008
2-Methylnaphthalene	ND	10		µg/L	1	8/21/2008
2-Methylphenol	ND	10		µg/L	1	8/21/2008
3+4-Methylphenol	ND	10		µg/L	1	8/21/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	8/21/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	8/21/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	8/21/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0808260
Project: 2008 Annual Groundwater Event
Lab ID: 0808260-04

Client Sample ID: OW-11
Collection Date: 8/14/2008 4:15:00 PM
Date Received: 8/15/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Naphthalene	ND	10		µg/L	1	8/21/2008
2-Nitroaniline	ND	10		µg/L	1	8/21/2008
3-Nitroaniline	ND	10		µg/L	1	8/21/2008
4-Nitroaniline	ND	10		µg/L	1	8/21/2008
Nitrobenzene	ND	10		µg/L	1	8/21/2008
2-Nitrophenol	ND	10		µg/L	1	8/21/2008
4-Nitrophenol	ND	10		µg/L	1	8/21/2008
Pentachlorophenol	ND	40		µg/L	1	8/21/2008
Phenanthrene	ND	10		µg/L	1	8/21/2008
Phenol	ND	10		µg/L	1	8/21/2008
Pyrene	ND	10		µg/L	1	8/21/2008
Pyridine	ND	10		µg/L	1	8/21/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	8/21/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	8/21/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	8/21/2008
Surr: 2,4,6-Tribromophenol	75.3	16.6-150		%REC	1	8/21/2008
Surr: 2-Fluorobiphenyl	86.5	19.6-134		%REC	1	8/21/2008
Surr: 2-Fluorophenol	78.3	9.54-113		%REC	1	8/21/2008
Surr: 4-Terphenyl-d14	67.3	22.7-145		%REC	1	8/21/2008
Surr: Nitrobenzene-d5	87.8	14.6-134		%REC	1	8/21/2008
Surr: Phenol-d5	72.6	10.7-80.3		%REC	1	8/21/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Toluene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Ethylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Naphthalene	ND	2.0		µg/L	1	8/19/2008 11:02:41 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/19/2008 11:02:41 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/19/2008 11:02:41 PM
Acetone	ND	10		µg/L	1	8/19/2008 11:02:41 PM
Bromobenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Bromoform	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Bromomethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
2-Butanone	ND	10		µg/L	1	8/19/2008 11:02:41 PM
Carbon disulfide	ND	10		µg/L	1	8/19/2008 11:02:41 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	0808260	**Collection Date:**	8/14/2008 4:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Chlorobenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Chloroethane	ND	2.0		µg/L	1	8/19/2008 11:02:41 PM
Chloroform	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Chloromethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/19/2008 11:02:41 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Dibromomethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/19/2008 11:02:41 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
2-Hexanone	ND	10		µg/L	1	8/19/2008 11:02:41 PM
Isopropylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/19/2008 11:02:41 PM
Methylene Chloride	ND	3.0		µg/L	1	8/19/2008 11:02:41 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Styrene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/19/2008 11:02:41 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-11
Lab Order:	0808260	**Collection Date:**	8/14/2008 4:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/15/2008
Lab ID:	0808260-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Trichlorofluoromethane	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/19/2008 11:02:41 PM
Vinyl chloride	ND	1.0		µg/L	1	8/19/2008 11:02:41 PM
Xylenes, Total	ND	1.5		µg/L	1	8/19/2008 11:02:41 PM
Surr: 1,2-Dichloroethane-d4	92.2	68.1-123		%REC	1	8/19/2008 11:02:41 PM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	1	8/19/2008 11:02:41 PM
Surr: Dibromofluoromethane	95.0	68.5-119		%REC	1	8/19/2008 11:02:41 PM
Surr: Toluene-d8	98.7	64-131		%REC	1	8/19/2008 11:02:41 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	2600	0.010		µmhos/cm	1	8/20/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	8.39	0.1		pH units	1	8/15/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-001	**Sampling Date**	8/13/2008	**Date/Time Received**	8/19/2008	11:15 AM	
Client Sample ID	0808260-01B / MW-5	**Sampling Time**	3:45 PM	**Extraction Date**			
Matrix	Water	**Sample Location**					
Comments							

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1,1-Trichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.1	8/21/2008	TGT	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Acetone	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
Benzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chloroform	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chloromethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
o-Xylene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Styrene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Toluene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	

Surrogate Data

Sample Number 080819037-001

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	96.8	70-130
4-Bromofluorobenzene	EPA 8260B	101.6	70-130
Toluene-d8	EPA 8260B	104.4	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-005	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008 11:15 AM
Client Sample ID	0808260-02B / SMW-2	**Sampling Time**	9:00 AM	**Extraction Date**	
Matrix	Water	**Sample Location**			
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1,1-Trichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.1	8/21/2008	TGT	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Acetone	7.03	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
Benzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chloroform	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chloromethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
o-Xylene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Styrene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Toluene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	

Surrogate Data

Sample Number 080819037-005

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	95.2	70-130
4-Bromofluorobenzene	EPA 8260B	104.4	70-130
Toluene-d8	EPA 8260B	107.2	70-130

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number 080819037-009
Client Sample ID 0808260-03B / SMW-4
Matrix Water
Comments

Sampling Date 8/14/2008
Sampling Time 1:30 PM
Sample Location

Date/Time Received 8/19/2008 11:15 AM
Extraction Date

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,1,1,2-Tetrachloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1,1-Trichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1-Dichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,1-Dichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
1,2-Dibromoethane	ND	ug/L	0.1	8/21/2008	TGT	EPA 8260B	
1,2-Dichloroethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Acetone	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
Benzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Carbon disulfide	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chlorobenzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chloroform	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Chloromethane	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Ethylbenzene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
m+p-Xylene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Methyl ethyl ketone (MEK)	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
Methylene chloride	ND	ug/L	2.5	8/21/2008	TGT	EPA 8260B	
o-Xylene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Styrene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Tetrachloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Toluene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
trans-1,2-Dichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	
Trichloroethene	ND	ug/L	0.5	8/21/2008	TGT	EPA 8260B	

Surrogate Data

Sample Number 080819037-009

Surrogate Standard	Method	Percent Recovery	Control Limits
1,2-Dichlorobenzene-d4	EPA 8260B	94.8	70-130
4-Bromofluorobenzene	EPA 8260B	102.8	70-130
Toluene-d8	EPA 8260B	106.0	70-130

Authorized Signature

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-002	**Sampling Date**	8/13/2008	**Date/Time Received**	8/19/2008	11:15 AM
Client Sample ID	0808260-01C / MW-5	**Sampling Time**	3:45 PM	**Extraction Date**	8/19/2008	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Diethylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Fluorene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Naphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-002	**Sampling Date**	8/13/2008	**Date/Time Received**	8/19/2008	11:15 AM
Client Sample ID	0808260-01C / MW-5	**Sampling Time**	3:45 PM	**Extraction Date**	8/19/2008	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Phenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Pyridine	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,4-Dioxane	ND	ug/L	5	8/25/2008	EMP	EPA 8270CMOD	
5-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
6-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzenethiole	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzo(j)fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Dibenz[a,j]acridine	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Quinoline	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	

Surrogate Data

Sample Number 080819037-002

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	83.5	10-123
2-Fluorobiphenyl	EPA 8270C	72.6	19-130
2-Fluorophenol	EPA 8270C	80.7	21-110
Nitrobenzene-d5	EPA 8270C	92.8	25-130
Phenol-d5	EPA 8270C	90.5	10-110
Terphenyl-d14	EPA 8270C	108.2	10-125

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Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-006	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008	11:15 AM
Client Sample ID	0808260-02C / SMW-2	**Sampling Time**	9:00 AM	**Extraction Date**	8/19/2008	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Diethylphthalate	[redacted]	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Dimethylphthalate	[redacted]	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Fluorene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Naphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Phenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-006	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008	11:15 AM
Client Sample ID	0808260-02C / SMW-2	**Sampling Time**	9:00 AM	**Extraction Date**	8/19/2008	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,4-Dioxane	[redacted]	ug/L	5	8/25/2008	EMP	EPA 8270CMOD	
5-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
6-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzenethiole	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzo(j)fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Dibenz[a,j]acridine	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Quinoline	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	

Surrogate Data

Sample Number 080819037-006

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	92.5	10-123
2-Fluorobiphenyl	EPA 8270C	86.4	19-130
2-Fluorophenol	EPA 8270C	82.7	21-110
Nitrobenzene-d5	EPA 8270C	88.1	25-130
Phenol-d5	EPA 8270C	96.0	10-110
Terphenyl-d14	EPA 8270C	86.4	10-125

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-010	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008	11:15 AM
Client Sample ID	0808260-03C / SMW-4	**Sampling Time**	1:30 PM	**Extraction Date**	8/19/2008	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
1,2-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,3-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,4-Dichlorobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1-Methylnaphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
2,4,6-Trichlorophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dimethylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dinitrophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2,4-Dinitrotoluene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2-Chlorophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
2-Methylnaphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
2-Methylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
3+4-Methylphenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
4-Nitrophenol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Acenaphthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[a]anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[a]pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[b]fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzo[k]fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Benzyl alcohol	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
bis(2-Ethylhexyl)phthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Butylbenzylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Chrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Dibenz[a,h]anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Diethylphthalate	[redacted]	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Dimethylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Di-n-butylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Di-n-octylphthalate	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Fluorene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Indeno[1,2,3-cd]pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Naphthalene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Nitrobenzene	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Phenanthrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	
Phenol	[redacted]	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
Pyrene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270C	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-010	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008	11:15 AM
Client Sample ID	0808260-03C / SMW-4	**Sampling Time**	1:30 PM	**Extraction Date**	8/19/2008	
Matrix	Water	**Sample Location**				
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Pyridine	ND	ug/L	0.5	8/25/2008	EMP	EPA 8270C	
1,4-Dioxane	ND	ug/L	5	8/25/2008	EMP	EPA 8270CMOD	
5-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
6-Methylchrysene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
7,12-Dimethylbenz(a)anthracene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzenethiole	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Benzo(j)fluoranthene	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Dibenz[a,j]acridine	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	
Quinoline	ND	ug/L	0.1	8/25/2008	EMP	EPA 8270CMOD	

Surrogate Data

Sample Number 080819037-010

Surrogate Standard	Method	Percent Recovery	Control Limits
2,4,6-Tribromophenol	EPA 8270C	84.6	10-123
2-Fluorobiphenyl	EPA 8270C	87.2	19-130
2-Fluorophenol	EPA 8270C	81.5	21-110
Nitrobenzene-d5	EPA 8270C	91.0	25-130
Phenol-d5	EPA 8270C	91.2	10-110
Terphenyl-d14	EPA 8270C	104.8	10-125

Authorized Signature John W. Cobb

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080819037
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808260
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080819037-004	**Sampling Date**	8/13/2008	**Date/Time Received**	8/19/2008 11:15 AM
Client Sample ID	0808260-01H / MW-5	**Sampling Time**	3:45 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	8/21/2008	ETL	SM4500CNE	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-008	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008 11:15 AM
Client Sample ID	0808260-02H / SMW-2	**Sampling Time**	9:00 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	0.0617	mg/L	0.01	8/21/2008	ETL	SM4500CNE	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-012	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008	11:15 AM
Client Sample ID	0808260-03H / SMW-4	**Sampling Time**	1:30 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Cyanide	ND	mg/L	0.01	8/21/2008	ETL	SM4500CNE	

Authorized Signature

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080819037
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808260
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080819037-003	**Sampling Date**	8/13/2008	**Date/Time Received**	8/19/2008 11:15 AM
Client Sample ID	0808260-01G / MW-5	**Sampling Time**	3:45 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	9/4/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080819037
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808260
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080819037-007	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008 11:15 AM
Client Sample ID	0808260-02G / SMW-2	**Sampling Time**	9:00 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	9/4/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080819037
Project Name: 0808260

Analytical Results Report

Sample Number	080819037-011	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008 11:15 AM
Client Sample ID	0808260-03G / SMW-4	**Sampling Time**	1:30 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Antimony	ND	mg/L	0.001	9/4/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080819037
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0808260
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080819037-013	**Sampling Date**	8/14/2008	**Date/Time Received**	8/19/2008 11:15 AM
Client Sample ID	0808260-04E / OW-11	**Sampling Time**	4:15 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
[redacted]	[redacted]	mg/L	0.001	9/5/2008	DMB	EPA 6020A	

Authorized Signature

MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

QA/QC SUMMARY REPORT

'ent: Western Refining Southwest, Gallup
roject: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R29808**	Analysis Date:	8/15/2008 10:24:20 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Bromide	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R30012**	Analysis Date:	8/28/2008 9:47:15 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Bromide	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R29808**	Analysis Date:	8/15/2008 10:41:45 AM	
Fluoride	0.5309	mg/L	0.10	106	90	110			
Chloride	4.942	mg/L	0.10	98.8	90	110			
›gen, Nitrite (As N)	1.004	mg/L	0.10	100	90	110			
›omide	2.579	mg/L	0.10	103	90	110			
Nitrogen, Nitrate (As N)	2.515	mg/L	0.10	101	90	110			
Phosphorus, Orthophosphate (As P)	5.112	mg/L	0.50	102	90	110			
Sulfate	10.23	mg/L	0.50	102	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R30012**	Analysis Date:	8/28/2008 10:04:39 AM	
Fluoride	0.5088	mg/L	0.10	102	90	110			
Chloride	4.854	mg/L	0.10	97.1	90	110			
Nitrogen, Nitrite (As N)	0.9857	mg/L	0.10	98.6	90	110			
Bromide	2.497	mg/L	0.10	99.9	90	110			
Nitrogen, Nitrate (As N)	2.504	mg/L	0.10	100	90	110			
Phosphorus, Orthophosphate (As P)	4.890	mg/L	0.50	97.8	90	110			
Sulfate	10.09	mg/L	0.50	101	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-16802		*MBLK*			Batch ID:	**16802**	Analysis Date:	8/18/2008 9:18:03 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-16802		*LCS*			Batch ID:	**16802**	Analysis Date:	8/18/2008 9:51:32 AM	
Diesel Range Organics (DRO)	4.910	mg/L	1.0	98.2	74	157			
Sample ID: LCSD-16802		*LCSD*			Batch ID:	**16802**	Analysis Date:	8/18/2008 10:25:06 AM	
Diesel Range Organics (DRO)	4.761	mg/L	1.0	95.2	74	157	3.10	23	

..alifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

lent: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 0808260-03A-MSD		*MSD*			Batch ID:	**R29921**	Analysis Date:	8/26/2008 7:26:32 AM	
Gasoline Range Organics (GRO)	0.4072	mg/L	0.050	81.4	80	115	0.0491	8.39	
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29921**	Analysis Date:	8/25/2008 9:06:48 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29921**	Analysis Date:	8/25/2008 9:06:48 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R29921**	Analysis Date:	8/26/2008 2:59:23 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: LCS-GRO		*LCS*			Batch ID:	**R29921**	Analysis Date:	8/25/2008 5:25:30 PM	
Gasoline Range Organics (GRO)	0.5666	mg/L	0.050	113	80	115			
Sample ID: LCS-GRO		*LCS*			Batch ID:	**R29921**	Analysis Date:	8/25/2008 5:25:30 PM	
Gasoline Range Organics (GRO)	0.5666	mg/L	0.050	113	80	115			
Sample ID: LCS-GRO		*LCS*			Batch ID:	**R29921**	Analysis Date:	8/26/2008 4:30:47 PM	
Gasoline Range Organics (GRO)	0.4266	mg/L	0.050	85.3	80	115			
Sample ID: 0808260-03A-MS		*MS*			Batch ID:	**R29921**	Analysis Date:	8/26/2008 6:56:16 AM	
Gasoline Range Organics (GRO)	0.4074	mg/L	0.050	81.5	80	115			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16804		*MBLK*			Batch ID:	**16804**	Analysis Date:		8/21/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
bazole	ND	µg/L	10						
nloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16804		*MBLK*			Batch ID:	**16804**	Analysis Date:		8/21/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
tachlorophenol	ND	µg/L	40						
nanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16804		*LCS*			Batch ID:	**16804**	Analysis Date:		8/21/2008
Acenaphthene	43.66	µg/L	10	43.7	11	123			
4-Chloro-3-methylphenol	102.0	µg/L	10	50.1	15.4	119			
2-Chlorophenol	95.42	µg/L	10	46.7	12.2	122			
1,4-Dichlorobenzene	37.00	µg/L	10	37.0	16.9	100			
2,4-Dinitrotoluene	43.10	µg/L	10	43.1	13	138			
N-Nitrosodi-n-propylamine	50.50	µg/L	10	50.5	9.93	122			
4-Nitrophenol	67.84	µg/L	10	33.9	12.5	87.4			
Pentachlorophenol	91.04	µg/L	40	45.5	3.55	114			
Phenol	70.52	µg/L	10	35.3	7.53	73.1			
Pyrene	52.60	µg/L	10	52.6	12.6	140			
1,2,4-Trichlorobenzene	38.40	µg/L	10	38.4	17.4	98.7			
Sample ID: lcsd-16804		*LCSD*			Batch ID:	**16804**	Analysis Date:		8/21/2008
Acenaphthene	51.78	µg/L	10	51.8	11	123	17.0	30.5	
4-Chloro-3-methylphenol	120.8	µg/L	10	59.5	15.4	119	16.9	28.6	
2-Chlorophenol	112.9	µg/L	10	55.5	12.2	122	16.8	107	
1,4-Dichlorobenzene	42.48	µg/L	10	42.5	16.9	100	13.8	62.1	
2,4-Dinitrotoluene	50.30	µg/L	10	50.3	13	138	15.4	14.7	R

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16804		*LCSD*			Batch ID:	**16804**	Analysis Date:		8/21/2008
N-Nitrosodi-n-propylamine	58.30	µg/L	10	58.3	9.93	122	14.3	30.3	
4-Nitrophenol	92.10	µg/L	10	46.0	12.5	87.4	30.3	36.3	
Pentachlorophenol	103.7	µg/L	40	51.9	3.55	114	13.0	49	
Phenol	90.88	µg/L	10	45.4	7.53	73.1	25.2	52.4	
Pyrene	60.08	µg/L	10	60.1	12.6	140	13.3	16.3	
1,2,4-Trichlorobenzene	45.64	µg/L	10	45.6	17.4	98.7	17.2	36.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
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R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event
Work Order: 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals									
Sample ID: MB		*MBLK*			Batch ID:	R	Analysis Date:	4/30/2008 9:19:40 AM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.020						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	1.0						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	1.0						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	1.0						
Sample ID: MBLK		*MBLK*			Batch ID:	R	Analysis Date:	6/25/2008 3:24:59 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.020						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	1.0						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
[illegible]nesium	ND	mg/L	1.0						
[illegible]assium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	1.0						
Sample ID: MB		*MBLK*			Batch ID:	R30090	Analysis Date:	9/5/2008 11:35:22 AM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.020						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	1.0						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	1.0						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	1.0						
Sample ID: LCS		*LCS*			Batch ID:	R	Analysis Date:	4/30/2008 9:22:42 AM	
Arsenic	0.5348	mg/L	0.020	107	80	120			
Barium	0.5362	mg/L	0.020	107	80	120			
Cadmium	0.5444	mg/L	0.0020	109	80	120			
Calcium	54.80	mg/L	1.0	109	80	120			
Chromium	0.5356	mg/L	0.0060	107	80	120			
Lead	0.5346	mg/L	0.0050	107	80	120			
Magnesium	55.05	mg/L	1.0	109	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Dissolved Metals									
Sample ID: LCS		*LCS*			Batch ID:		R	Analysis Date:	4/30/2008 9:22:42 AM
Potassium	57.07	mg/L	1.0	104	80	120			
Selenium	0.5310	mg/L	0.050	106	80	120			
Silver	0.5409	mg/L	0.0050	108	80	120			
Sodium	58.10	mg/L	1.0	115	80	120			
Sample ID: LCS		*LCS*			Batch ID:		R	Analysis Date:	6/25/2008 3:30:49 PM
Arsenic	0.5195	mg/L	0.020	104	80	120			
Barium	0.5029	mg/L	0.020	101	80	120			
Cadmium	0.5084	mg/L	0.0020	102	80	120			
Calcium	50.28	mg/L	1.0	99.6	80	120			
Chromium	0.5059	mg/L	0.0060	101	80	120			
Lead	0.5068	mg/L	0.0050	101	80	120			
Magnesium	50.27	mg/L	1.0	99.5	80	120			
Potassium	53.94	mg/L	1.0	98.1	80	120			
Selenium	0.4864	mg/L	0.050	97.3	80	120			
Silver	0.5139	mg/L	0.0050	103	80	120			
Sodium	53.49	mg/L	1.0	106	80	120			
Sample ID: LCS		*LCS*			Batch ID:	R30090		Analysis Date:	9/5/2008 11:38:21 AM
Arsenic	0.4961	mg/L	0.020	99.2	80	120			
Barium	0.4826	mg/L	0.020	96.5	80	120			
Cadmium	0.4964	mg/L	0.0020	99.3	80	120			
Calcium	50.04	mg/L	1.0	99.1	80	120			
Chromium	0.4885	mg/L	0.0060	97.7	80	120			
Lead	0.4835	mg/L	0.0050	96.7	80	120			
Magnesium	50.36	mg/L	1.0	99.7	80	120			
Potassium	52.88	mg/L	1.0	96.1	80	120			
Selenium	0.4809	mg/L	0.050	96.2	80	120			
Silver	0.4876	mg/L	0.0050	97.5	80	120			
Sodium	49.64	mg/L	1.0	98.3	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16876		*MBLK*			Batch ID:	**16876**	Analysis Date:	8/28/2008 11:55:26 AM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sample ID: MB-16876		*MBLK*			Batch ID:	**16876**	Analysis Date:	9/2/2008 10:17:34 AM	
Barium	ND	mg/L	0.010						
Beryllium	ND	mg/L	0.0030						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Cobalt	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
nganese	ND	mg/L	0.0020						
ickel	ND	mg/L	0.010						
Potassium	ND	mg/L	1.0						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Vanadium	ND	mg/L	0.050						
Zinc	ND	mg/L	0.020						
Sample ID: MB-16876		*MBLK*			Batch ID:	**16876**	Analysis Date:	9/2/2008 12:52:59 PM	
Arsenic	ND	mg/L	0.020						
Selenium	ND	mg/L	0.050						
Sample ID: LCS-16876		*LCS*			Batch ID:	**16876**	Analysis Date:	8/28/2008 11:57:19 AM	
Arsenic	0.4914	mg/L	0.020	98.3	80	120			
Barium	0.4796	mg/L	0.010	95.9	80	120			
Cadmium	0.4924	mg/L	0.0020	98.5	80	120			
Chromium	0.4942	mg/L	0.0060	98.8	80	120			
Lead	0.4785	mg/L	0.0050	95.0	80	120			
Selenium	0.4934	mg/L	0.050	98.7	80	120			
Silver	0.4969	mg/L	0.0050	99.4	80	120			
Sample ID: LCS-16876		*LCS*			Batch ID:	**16876**	Analysis Date:	9/2/2008 10:19:54 AM	
Barium	0.4752	mg/L	0.010	95.0	80	120			
Beryllium	0.5101	mg/L	0.0030	102	80	120			
Cadmium	0.4758	mg/L	0.0020	95.2	80	120			
Calcium	49.72	mg/L	0.50	99.4	80	120			
Chromium	0.4812	mg/L	0.0060	96.2	80	120			
Cobalt	0.4871	mg/L	0.0060	97.4	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
roject: 2008 Annual Groundwater Event
Work Order: 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: LCS-16876		*LCS*			Batch ID:	**16876**	Analysis Date:	9/2/2008 10:19:54 AM	
Copper	0.4828	mg/L	0.0060	96.6	80	120			
Iron	0.4695	mg/L	0.050	93.9	80	120			
Lead	0.4736	mg/L	0.0050	94.7	80	120			
Magnesium	49.39	mg/L	0.50	98.8	80	120			
Manganese	0.4742	mg/L	0.0020	94.8	80	120			
Nickel	0.4593	mg/L	0.010	91.9	80	120			
Potassium	50.69	mg/L	1.0	101	80	120			
Silver	0.4784	mg/L	0.0050	95.7	80	120			
Sodium	51.85	mg/L	0.50	104	80	120			
Vanadium	0.5031	mg/L	0.050	101	80	120			
Zinc	0.4717	mg/L	0.020	94.3	80	120			
Sample ID: LCS-16876		*LCS*			Batch ID:	**16876**	Analysis Date:	9/2/2008 12:55:29 PM	
Arsenic	0.4782	mg/L	0.020	95.6	80	120			
Selenium	0.4710	mg/L	0.050	94.2	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
roject: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 0808260-04a MSD		*MSD*			Batch ID:	**R29845**	Analysis Date:	8/20/2008 12:00:12 AM	
Benzene	20.64	µg/L	1.0	103	72.4	126	1.01	15	
Toluene	19.30	µg/L	1.0	96.5	79.2	115	7.92	15	
Chlorobenzene	21.96	µg/L	1.0	110	83.1	111	0.355	15	
1,1-Dichloroethene	22.66	µg/L	1.0	113	81.4	122	0.943	17.8	
Trichloroethene (TCE)	19.80	µg/L	1.0	99.0	64.4	118	0.599	19.8	
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 9:01:51 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
nobenzene	ND	µg/L	1.0						
omodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

'ent: Western Refining Southwest, Gallup
'roject: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 9:01:51 AM	
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b7		*MBLK*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 9:08:01 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
roject: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b7		*MBLK*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 9:08:01 PM	
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
Dichloroethane	ND	µg/L	1.0						
Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
roject: 2008 Annual Groundwater Event **Work Order:** 0808260

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b7		*MBLK*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 9:08:01 PM	
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 9:59:13 AM	
Benzene	20.63	µg/L	1.0	103	86.8	120			
Toluene	19.97	µg/L	1.0	99.8	64.1	127			
Chlorobenzene	22.25	µg/L	1.0	111	82.4	113			
1,1-Dichloroethene	23.25	µg/L	1.0	116	86.5	132			
Trichloroethene (TCE)	19.43	µg/L	1.0	97.2	77.3	123			
Sample ID: 100ng lcs_b		*LCS*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 10:05:19 PM	
Benzene	21.26	µg/L	1.0	106	86.8	120			
Toluene	20.33	µg/L	1.0	102	64.1	127			
Chlorobenzene	22.77	µg/L	1.0	114	82.4	113			S
1,1-Dichloroethene	23.89	µg/L	1.0	119	86.5	132			
Trichloroethene (TCE)	19.98	µg/L	1.0	99.9	77.3	123			
Sample ID: 0808260-04a MS		*MS*			Batch ID:	**R29845**	Analysis Date:	8/19/2008 11:31:25 PM	
Benzene	20.85	µg/L	1.0	104	72.4	126			
Toluene	20.90	µg/L	1.0	104	79.2	115			
Chlorobenzene	22.04	µg/L	1.0	110	83.1	111			
1,1-Dichloroethene	22.87	µg/L	1.0	114	81.4	122			
Trichloroethene (TCE)	19.91	µg/L	1.0	99.6	64.4	118			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 8/15/2008

Work Order Number 0808260

Received by: TLS

Checklist completed by: Signature 8/15/08 Date

Sample ID labels checked by: Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
ter - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
vater - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

orrective Action _____

Ch -of-Custody Record

Client: Western Refining Company - Gallup
Mailing Address: Route 3 Box 7
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 9210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: 2008 Annual Groundwater Event
Project #:
Project Manager: Ed Riege
Sampler: Steve Alonzo
On Ice: ☒ Yes ☐ No
Sample Temperature: 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0808 2160	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals Total and Dissolved	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem	Cyanide	Metals see attached list	WRCC Total Metals	Air Bubbles (Y or N)
8-13-08	1545	H_2O	MW-5 *			-1			X				X			X	X	X	X	X		
8-14-08	0900	"	SMW-2 *			-2			X				X			X	X	X	X	X		
"	1330	"	SMW-4 *			-3			X				X			X	X	X	X	X		
"	1615	"	OW-11			-4										X	X	X			X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
8-15-08	1110	Steve Alonzo	[signature]	8/15/08	1110
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity
* See attached Modified Skinner list.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

OW-12, 13, 29, 30, 14

COVER LETTER

Tuesday, September 02, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 Annual Groundwater Event

Order No.: 0808371

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 6 sample(s) on 8/22/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-12
Lab Order:	0808371	**Collection Date:**	8/19/2008 10:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Toluene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 6:29:21 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 6:29:21 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 6:29:21 PM
Acetone	ND	10		µg/L	1	8/27/2008 6:29:21 PM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Bromoform	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
2-Butanone	ND	10		µg/L	1	8/27/2008 6:29:21 PM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 6:29:21 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 6:29:21 PM
Chloroform	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 6:29:21 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 6:29:21 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
2-Hexanone	ND	10		µg/L	1	8/27/2008 6:29:21 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-12
Lab Order:	0808371	**Collection Date:**	8/19/2008 10:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 6:29:21 PM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 6:29:21 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Styrene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/27/2008 6:29:21 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 6:29:21 PM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 6:29:21 PM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 6:29:21 PM
Surr: 1,2-Dichloroethane-d4	89.7	68.1-123		%REC	1	8/27/2008 6:29:21 PM
Surr: 4-Bromofluorobenzene	93.0	53.2-145		%REC	1	8/27/2008 6:29:21 PM
Surr: Dibromofluoromethane	92.0	68.5-119		%REC	1	8/27/2008 6:29:21 PM
Surr: Toluene-d8	94.2	64-131		%REC	1	8/27/2008 6:29:21 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	0808371	**Collection Date:**	8/19/2008 2:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Toluene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 6:59:01 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 6:59:01 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 6:59:01 PM
Acetone	ND	10		µg/L	1	8/27/2008 6:59:01 PM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Bromoform	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
2-Butanone	ND	10		µg/L	1	8/27/2008 6:59:01 PM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 6:59:01 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 6:59:01 PM
Chloroform	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 6:59:01 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 6:59:01 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
2-Hexanone	ND	10		µg/L	1	8/27/2008 6:59:01 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	0808371	**Collection Date:**	8/19/2008 2:45:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 6:59:01 PM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 6:59:01 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Styrene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/27/2008 6:59:01 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 6:59:01 PM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 6:59:01 PM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 6:59:01 PM
Surr: 1,2-Dichloroethane-d4	91.0	68.1-123		%REC	1	8/27/2008 6:59:01 PM
Surr: 4-Bromofluorobenzene	90.2	53.2-145		%REC	1	8/27/2008 6:59:01 PM
Surr: Dibromofluoromethane	90.8	68.5-119		%REC	1	8/27/2008 6:59:01 PM
Surr: Toluene-d8	90.9	64-131		%REC	1	8/27/2008 6:59:01 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	0808371	**Collection Date:**	8/19/2008 5:00:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Toluene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Methyl tert-butyl ether (MTBE)	9.2	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 7:28:48 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 7:28:48 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 7:28:48 PM
Acetone	ND	10		µg/L	1	8/27/2008 7:28:48 PM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Bromoform	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
2-Butanone	ND	10		µg/L	1	8/27/2008 7:28:48 PM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 7:28:48 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 7:28:48 PM
Chloroform	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 7:28:48 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 7:28:48 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
2-Hexanone	ND	10		µg/L	1	8/27/2008 7:28:48 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	0808371	**Collection Date:**	8/19/2008 5:00:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 7:28:48 PM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 7:28:48 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Styrene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/27/2008 7:28:48 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 7:28:48 PM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 7:28:48 PM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 7:28:48 PM
Surr: 1,2-Dichloroethane-d4	87.8	68.1-123		%REC	1	8/27/2008 7:28:48 PM
Surr: 4-Bromofluorobenzene	86.0	53.2-145		%REC	1	8/27/2008 7:28:48 PM
Surr: Dibromofluoromethane	88.8	68.5-119		%REC	1	8/27/2008 7:28:48 PM
Surr: Toluene-d8	94.5	64-131		%REC	1	8/27/2008 7:28:48 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	0808371	**Collection Date:**	8/20/2008 2:00:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Toluene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Methyl tert-butyl ether (MTBE)	1100	10		µg/L	10	8/28/2008 7:12:23 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 8:30:55 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 8:30:55 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 8:30:55 PM
Acetone	ND	10		µg/L	1	8/27/2008 8:30:55 PM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Bromoform	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
2-Butanone	ND	10		µg/L	1	8/27/2008 8:30:55 PM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 8:30:55 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 8:30:55 PM
Chloroform	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 8:30:55 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 8:30:55 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
2-Hexanone	ND	10		µg/L	1	8/27/2008 8:30:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	0808371	**Collection Date:**	8/20/2008 2:00:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 8:30:55 PM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 8:30:55 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Styrene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/27/2008 8:30:55 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 8:30:55 PM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 8:30:55 PM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 8:30:55 PM
Surr: 1,2-Dichloroethane-d4	86.7	68.1-123		%REC	1	8/27/2008 8:30:55 PM
Surr: 4-Bromofluorobenzene	92.5	53.2-145		%REC	1	8/27/2008 8:30:55 PM
Surr: Dibromofluoromethane	86.2	68.5-119		%REC	1	8/27/2008 8:30:55 PM
Surr: Toluene-d8	92.5	64-131		%REC	1	8/27/2008 8:30:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	0808371	**Collection Date:**	8/21/2008 11:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	3.5	1.0		µg/L	1	8/28/2008 12:29:42 AM
Toluene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Ethylbenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Methyl tert-butyl ether (MTBE)	1300	10		µg/L	10	8/28/2008 7:44:43 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2-Dichloroethane (EDC)	1.6	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Naphthalene	ND	2.0		µg/L	1	8/28/2008 12:29:42 AM
1-Methylnaphthalene	12	4.0		µg/L	1	8/28/2008 12:29:42 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/28/2008 12:29:42 AM
Acetone	ND	10		µg/L	1	8/28/2008 12:29:42 AM
Bromobenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Bromoform	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Bromomethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
2-Butanone	ND	10		µg/L	1	8/28/2008 12:29:42 AM
Carbon disulfide	ND	10		µg/L	1	8/28/2008 12:29:42 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Chlorobenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Chloroethane	ND	2.0		µg/L	1	8/28/2008 12:29:42 AM
Chloroform	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Chloromethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/28/2008 12:29:42 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Dibromomethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/28/2008 12:29:42 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
2-Hexanone	ND	10		µg/L	1	8/28/2008 12:29:42 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	0808371	**Collection Date:**	8/21/2008 11:00:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Isopropylbenzene	1.6	1.0		µg/L	1	8/28/2008 12:29:42 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/28/2008 12:29:42 AM
Methylene Chloride	ND	3.0		µg/L	1	8/28/2008 12:29:42 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
sec-Butylbenzene	2.0	1.0		µg/L	1	8/28/2008 12:29:42 AM
Styrene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/28/2008 12:29:42 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/28/2008 12:29:42 AM
Vinyl chloride	ND	1.0		µg/L	1	8/28/2008 12:29:42 AM
Xylenes, Total	ND	1.5		µg/L	1	8/28/2008 12:29:42 AM
Surr: 1,2-Dichloroethane-d4	86.4	68.1-123		%REC	1	8/28/2008 12:29:42 AM
Surr: 4-Bromofluorobenzene	89.1	53.2-145		%REC	1	8/28/2008 12:29:42 AM
Surr: Dibromofluoromethane	94.9	68.5-119		%REC	1	8/28/2008 12:29:42 AM
Surr: Toluene-d8	94.1	64-131		%REC	1	8/28/2008 12:29:42 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0808371	**Collection Date:**	
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808371-06	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Toluene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 9:00:40 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 9:00:40 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 9:00:40 PM
Acetone	ND	10		µg/L	1	8/27/2008 9:00:40 PM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Bromoform	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
2-Butanone	ND	10		µg/L	1	8/27/2008 9:00:40 PM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 9:00:40 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 9:00:40 PM
Chloroform	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 9:00:40 PM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 9:00:40 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
2-Hexanone	ND	10		µg/L	1	8/27/2008 9:00:40 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *02-Sep-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0808371
Project: 2008 Annual Groundwater Event
Lab ID: 0808371-06

Client Sample ID: Trip Blank
Collection Date:
Date Received: 8/22/2008
Matrix: TRIP BLANK.

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 9:00:40 PM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 9:00:40 PM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Styrene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,1,2,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Tetrachloroethene (PCE)	ND	2.0		µg/L	1	8/27/2008 9:00:40 PM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 9:00:40 PM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 9:00:40 PM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 9:00:40 PM
Surr: 1,2-Dichloroethane-d4	88.7	68.1-123		%REC	1	8/27/2008 9:00:40 PM
Surr: 4-Bromofluorobenzene	90.0	53.2-145		%REC	1	8/27/2008 9:00:40 PM
Surr: Dibromofluoromethane	86.9	68.5-119		%REC	1	8/27/2008 9:00:40 PM
Surr: Toluene-d8	89.5	64-131		%REC	1	8/27/2008 9:00:40 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808371

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 0808371-01a msd		*MSD*			Batch ID:	**R29964**	Analysis Date:	8/27/2008 10:58:14 PM	
Benzene	20.89	µg/L	1.0	104	72.4	126	0.0842	15	
Toluene	19.93	µg/L	1.0	99.7	79.2	115	5.73	15	
Chlorobenzene	19.00	µg/L	1.0	95.0	83.1	111	3.49	15	
1,1-Dichloroethene	23.74	µg/L	1.0	119	81.4	122	2.37	17.8	
Trichloroethene (TCE)	19.61	µg/L	1.0	98.0	64.4	118	2.09	19.8	
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29964**	Analysis Date:	8/27/2008 9:32:22 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
nobenzene	ND	µg/L	1.0						
omodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808371

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29964**	Analysis Date:	8/27/2008 9:32:22 AM	
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
3-Trichlorobenzene	ND	µg/L	1.0						
,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R29964**	Analysis Date:	8/27/2008 10:31:49 AM	
Benzene	21.52	µg/L	1.0	108	86.8	120			
Toluene	20.02	µg/L	1.0	100	64.1	127			
Chlorobenzene	19.15	µg/L	1.0	95.7	82.4	113			
1,1-Dichloroethene	24.94	µg/L	1.0	125	86.5	132			
Trichloroethene (TCE)	21.29	µg/L	1.0	106	77.3	123			
Sample ID: 0808371-01a ms		*MS*			Batch ID:	**R29964**	Analysis Date:	8/27/2008 10:28:31 PM	
Benzene	20.90	µg/L	1.0	105	72.4	126			
Toluene	21.11	µg/L	1.0	106	79.2	115			
Chlorobenzene	19.68	µg/L	1.0	98.4	83.1	111			
1,1-Dichloroethene	24.30	µg/L	1.0	122	81.4	122			
Trichloroethene (TCE)	19.20	µg/L	1.0	96.0	64.4	118			

alifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 8/22/2008

Work Order Number 0808371

Received by: AT

Checklist completed by: _____ Signature 8/22/08 Date

Sample ID labels checked by: _____ Initials

Matrix:

Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	6°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Ch[illegible]-of-Custody Record

Client: Western Refining Company - Gallup
Mailing Address: Route 3 Box 7
Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: 2008 Annual Groundwater Event
Project #:
Project Manager: Ed Riege
Sampler: Cheryl Johnson + Steve Morris
On Ice: ☒ Yes ☐ No
Sample Temperature: 10

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0808311	BTEX + MTBE + TMBs (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
8-19-08	1000	H_2O	OW-12			1										X						
"	1445	"	OW-13			2										X						
"	1700	"	OW-29			3										X						
8-20-08	1400	"	OW-30			4										X						
8-21-08	1100	"	OW-14			5										X						
			Trip Blank AT 8/22			6																

Date:	Time:	Relinquished by:	Received by:	Date	Time
8-22-08	1030	Steve Morris	Clare Thur	8/22/08	1030
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

EP-1 Inlet, EP-2

PW-3

COVER LETTER

Thursday, September 18, 2008

Ed Riege
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 Annual Groundwater Event

Order No.: 0808362

Dear Ed Riege:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 8/22/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0808362	**Collection Date:**	8/21/2008 7:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	100	3.0		mg/L	1	8/31/2008 3:22:51 AM
Motor Oil Range Organics (MRO)	25	15		mg/L	1	8/31/2008 3:22:51 AM
Surr: DNOP	119	58-140		%REC	1	8/31/2008 3:22:51 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	3.1	1.0		mg/L	20	9/2/2008 7:08:34 PM
Surr: BFB	81.3	59.9-122		%REC	20	9/2/2008 7:08:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	32	1.0		mg/L	10	8/22/2008 4:11:24 PM
Chloride	150	1.0		mg/L	10	8/22/2008 4:11:24 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	8/22/2008 4:11:24 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	8/22/2008 4:11:24 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	8/22/2008 4:11:24 PM
Sulfate	1300	10		mg/L	20	8/22/2008 4:28:49 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	8/31/2008 4:43:18 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	9/3/2008 2:55:03 PM
Barium	0.092	0.020		mg/L	1	9/3/2008 2:55:03 PM
Cadmium	ND	0.0020		mg/L	1	9/3/2008 2:55:03 PM
Calcium	77	1.0		mg/L	1	9/3/2008 2:55:03 PM
Chromium	ND	0.0060		mg/L	1	9/3/2008 2:55:03 PM
Copper	0.0063	0.0060		mg/L	1	9/3/2008 2:55:03 PM
Iron	2.7	0.50		mg/L	10	9/3/2008 3:55:36 PM
Lead	0.0063	0.0050		mg/L	1	9/3/2008 2:55:03 PM
Magnesium	17	1.0		mg/L	1	9/3/2008 2:55:03 PM
Manganese	0.13	0.0020		mg/L	1	9/3/2008 2:55:03 PM
Potassium	32	1.0		mg/L	1	9/3/2008 2:55:03 PM
Selenium	ND	0.25		mg/L	5	9/8/2008 12:59:12 PM
Silver	ND	0.0050		mg/L	1	9/3/2008 2:55:03 PM
Sodium	420	10		mg/L	10	9/3/2008 3:55:36 PM
Zinc	0.29	0.050		mg/L	1	9/3/2008 2:55:03 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	9/2/2008
Acenaphthylene	ND	50		µg/L	1	9/2/2008
Aniline	ND	50		µg/L	1	9/2/2008
Anthracene	ND	50		µg/L	1	9/2/2008
Azobenzene	ND	50		µg/L	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0808362	**Collection Date:**	8/21/2008 7:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Benz(a)anthracene	50	50		µg/L	1	9/2/2008
Benzo(a)pyrene	ND	50		µg/L	1	9/2/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	9/2/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/2/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	9/2/2008
Benzoic acid	ND	100		µg/L	1	9/2/2008
Benzyl alcohol	ND	50		µg/L	1	9/2/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/2/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/2/2008
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/2/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/2/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/2/2008
Butyl benzyl phthalate	ND	50		µg/L	1	9/2/2008
Carbazole	ND	50		µg/L	1	9/2/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/2/2008
4-Chloroaniline	ND	50		µg/L	1	9/2/2008
2-Chloronaphthalene	ND	50		µg/L	1	9/2/2008
2-Chlorophenol	ND	50		µg/L	1	9/2/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/2/2008
Chrysene	ND	50		µg/L	1	9/2/2008
Di-n-butyl phthalate	ND	50		µg/L	1	9/2/2008
Di-n-octyl phthalate	ND	50		µg/L	1	9/2/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/2/2008
Dibenzofuran	ND	50		µg/L	1	9/2/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	9/2/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	9/2/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	9/2/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/2/2008
Diethyl phthalate	ND	50		µg/L	1	9/2/2008
Dimethyl phthalate	ND	50		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	100		µg/L	1	9/2/2008
2,4-Dimethylphenol	ND	50		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	100		µg/L	1	9/2/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	9/2/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	9/2/2008
Fluoranthene	ND	50		µg/L	1	9/2/2008
Fluorene	ND	50		µg/L	1	9/2/2008
Hexachlorobenzene	ND	50		µg/L	1	9/2/2008
Hexachlorobutadiene	ND	50		µg/L	1	9/2/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/2/2008
Hexachloroethane	ND	50		µg/L	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0808362	**Collection Date:**	8/21/2008 7:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/2/2008
Isophorone	ND	50		µg/L	1	9/2/2008
2-Methylnaphthalene	ND	50		µg/L	1	9/2/2008
2-Methylphenol	ND	50		µg/L	1	9/2/2008
3+4-Methylphenol	ND	50		µg/L	1	9/2/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/2/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	9/2/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/2/2008
Naphthalene	ND	50		µg/L	1	9/2/2008
2-Nitroaniline	ND	50		µg/L	1	9/2/2008
3-Nitroaniline	ND	50		µg/L	1	9/2/2008
4-Nitroaniline	ND	50		µg/L	1	9/2/2008
Nitrobenzene	ND	50		µg/L	1	9/2/2008
2-Nitrophenol	ND	50		µg/L	1	9/2/2008
4-Nitrophenol	ND	50		µg/L	1	9/2/2008
Pentachlorophenol	ND	100		µg/L	1	9/2/2008
Phenanthrene	ND	50		µg/L	1	9/2/2008
Phenol	ND	50		µg/L	1	9/2/2008
Pyrene	ND	50		µg/L	1	9/2/2008
Pyridine	ND	50		µg/L	1	9/2/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/2/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	67.0	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	72.4	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	50.4	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	59.7	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	67.4	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	41.0	10.7-80.3		%REC	1	9/2/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	23	5.0		µg/L	5	8/27/2008 8:03:19 AM
Toluene	28	5.0		µg/L	5	8/27/2008 8:03:19 AM
Ethylbenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2,4-Trimethylbenzene	21	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,3,5-Trimethylbenzene	5.9	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Naphthalene	ND	10		µg/L	5	8/27/2008 8:03:19 AM
1-Methylnaphthalene	65	20		µg/L	5	8/27/2008 8:03:19 AM
2-Methylnaphthalene	60	20		µg/L	5	8/27/2008 8:03:19 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0808362	**Collection Date:**	8/21/2008 7:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Acetone	1900	200		µg/L	20	8/27/2008 7:28:24 PM
Bromobenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Bromodichloromethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Bromoform	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Bromomethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
2-Butanone	230	50		µg/L	5	8/27/2008 8:03:19 AM
Carbon disulfide	ND	50		µg/L	5	8/27/2008 8:03:19 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Chlorobenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Chloroethane	ND	10		µg/L	5	8/27/2008 8:03:19 AM
Chloroform	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Chloromethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
2-Chlorotoluene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
4-Chlorotoluene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
cis-1,2-DCE	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	8/27/2008 8:03:19 AM
Dibromochloromethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Dibromomethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
2,2-Dichloropropane	ND	10		µg/L	5	8/27/2008 8:03:19 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
2-Hexanone	ND	50		µg/L	5	8/27/2008 8:03:19 AM
Isopropylbenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	8/27/2008 8:03:19 AM
Methylene Chloride	ND	15		µg/L	5	8/27/2008 8:03:19 AM
n-Butylbenzene	5.0	5.0		µg/L	5	8/27/2008 8:03:19 AM
n-Propylbenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
sec-Butylbenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Styrene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
tert-Butylbenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	8/27/2008 8:03:19 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0808362	**Collection Date:**	8/21/2008 7:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
trans-1,2-DCE	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	8/27/2008 8:03:19 AM
Vinyl chloride	ND	5.0		µg/L	5	8/27/2008 8:03:19 AM
Xylenes, Total	29	7.5		µg/L	5	8/27/2008 8:03:19 AM
Surr: 1,2-Dichloroethane-d4	96.2	68.1-123		%REC	5	8/27/2008 8:03:19 AM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	5	8/27/2008 8:03:19 AM
Surr: Dibromofluoromethane	93.1	68.5-119		%REC	5	8/27/2008 8:03:19 AM
Surr: Toluene-d8	98.9	64-131		%REC	5	8/27/2008 8:03:19 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMS
Specific Conductance	4400	0.010		µmhos/cm	1	8/26/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.90	0.1		pH units	1	8/22/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2 Inlet
Lab Order:	0808362	**Collection Date:**	8/21/2008 8:15:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	290	3.0		mg/L	1	8/31/2008 3:58:10 AM
Motor Oil Range Organics (MRO)	37	15		mg/L	1	8/31/2008 3:58:10 AM
Surr: DNOP	116	58-140		%REC	1	8/31/2008 3:58:10 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	10	1.0		mg/L	20	9/2/2008 7:38:48 PM
Surr: BFB	203	59.9-122	S	%REC	20	9/2/2008 7:38:48 PM
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Toluene	28	10		µg/L	10	8/27/2008 8:41:43 AM
Ethylbenzene	[illegible]	10		µg/L	10	8/27/2008 8:41:43 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2,4-Trimethylbenzene	[illegible]	10		µg/L	10	8/27/2008 8:41:43 AM
1,3,5-Trimethylbenzene	35	10		µg/L	10	8/27/2008 8:41:43 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Naphthalene	20	20		µg/L	10	8/27/2008 8:41:43 AM
1-Methylnaphthalene	300	40		µg/L	10	8/27/2008 8:41:43 AM
2-Methylnaphthalene	300	40		µg/L	10	8/27/2008 8:41:43 AM
Acetone	1200	100		µg/L	10	8/27/2008 8:41:43 AM
Bromobenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Bromodichloromethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Bromoform	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Bromomethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
2-Butanone	140	100		µg/L	10	8/27/2008 8:41:43 AM
Carbon disulfide	ND	100		µg/L	10	8/27/2008 8:41:43 AM
Carbon Tetrachloride	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Chlorobenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Chloroethane	ND	20		µg/L	10	8/27/2008 8:41:43 AM
Chloroform	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Chloromethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
2-Chlorotoluene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
4-Chlorotoluene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
cis-1,2-DCE	ND	10		µg/L	10	8/27/2008 8:41:43 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	8/27/2008 8:41:43 AM
Dibromochloromethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Dibromomethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-2 Inlet
Lab Order:	0808362	**Collection Date:**	8/21/2008 8:15:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Dichlorodifluoromethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,1-Dichloroethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,1-Dichloroethene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2-Dichloropropane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,3-Dichloropropane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
2,2-Dichloropropane	ND	20		µg/L	10	8/27/2008 8:41:43 AM
1,1-Dichloropropene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Hexachlorobutadiene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
2-Hexanone	ND	100		µg/L	10	8/27/2008 8:41:43 AM
Isopropylbenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
4-Isopropyltoluene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	8/27/2008 8:41:43 AM
Methylene Chloride	ND	30		µg/L	10	8/27/2008 8:41:43 AM
n-Butylbenzene	29	10		µg/L	10	8/27/2008 8:41:43 AM
n-Propylbenzene	18	10		µg/L	10	8/27/2008 8:41:43 AM
sec-Butylbenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Styrene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
tert-Butylbenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	8/27/2008 8:41:43 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	8/27/2008 8:41:43 AM
trans-1,2-DCE	ND	10		µg/L	10	8/27/2008 8:41:43 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Trichloroethene (TCE)	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Trichlorofluoromethane	ND	10		µg/L	10	8/27/2008 8:41:43 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	8/27/2008 8:41:43 AM
Vinyl chloride	ND	10		µg/L	10	8/27/2008 8:41:43 AM
Xylenes, Total	100	15		µg/L	10	8/27/2008 8:41:43 AM
Surr: 1,2-Dichloroethane-d4	93.6	68.1-123		%REC	10	8/27/2008 8:41:43 AM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	10	8/27/2008 8:41:43 AM
Surr: Dibromofluoromethane	93.2	68.5-119		%REC	10	8/27/2008 8:41:43 AM
Surr: Toluene-d8	97.2	64-131		%REC	10	8/27/2008 8:41:43 AM
SM 2540C TOTAL DISSOLVED SOLIDS						Analyst: KMS
Total Dissolved Solids	2000	100		mg/L	1	8/26/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0808362
Project: 2008 Annual Groundwater Event
Lab ID: 0808362-03

Client Sample ID: [redacted]
Collection Date: [redacted] 11:45:00 AM
Date Received: 8/22/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Nitrogen, Nitrate (As N)	0.13	0.10		mg/L	1	8/22/2008 4:46:13 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	8/31/2008 4:45:03 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: TES
Arsenic	ND	0.020		mg/L	1	9/3/2008 3:00:26 PM
Barium	ND	0.020		mg/L	1	9/3/2008 3:00:26 PM
Cadmium	ND	0.0020		mg/L	1	9/3/2008 3:00:26 PM
Chromium	ND	0.0060		mg/L	1	9/3/2008 3:00:26 PM
Copper	ND	0.0060		mg/L	1	9/3/2008 3:00:26 PM
Iron	ND	0.050		mg/L	1	9/3/2008 3:00:26 PM
Lead	ND	0.0050		mg/L	1	9/3/2008 3:00:26 PM
Manganese	ND	0.0020		mg/L	1	9/3/2008 3:00:26 PM
Selenium	ND	0.25		mg/L	5	9/8/2008 1:01:49 PM
Silver	ND	0.0050		mg/L	1	9/3/2008 3:00:26 PM
Zinc	ND	0.050		mg/L	1	9/3/2008 3:00:26 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	9/2/2008
Acenaphthylene	ND	10		µg/L	1	9/2/2008
Aniline	ND	10		µg/L	1	9/2/2008
Anthracene	ND	10		µg/L	1	9/2/2008
Azobenzene	ND	10		µg/L	1	9/2/2008
Benz(a)anthracene	ND	10		µg/L	1	9/2/2008
Benzo(a)pyrene	ND	10		µg/L	1	9/2/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	9/2/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	9/2/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	9/2/2008
Benzoic acid	ND	20		µg/L	1	9/2/2008
Benzyl alcohol	ND	10		µg/L	1	9/2/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	9/2/2008
Bis(2-chloroethyl)ether	ND	10		µg/L	1	9/2/2008
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	9/2/2008
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	9/2/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	9/2/2008
Butyl benzyl phthalate	ND	10		µg/L	1	9/2/2008
Carbazole	ND	10		µg/L	1	9/2/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	9/2/2008
4-Chloroaniline	ND	10		µg/L	1	9/2/2008
2-Chloronaphthalene	ND	10		µg/L	1	9/2/2008
2-Chlorophenol	ND	10		µg/L	1	9/2/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	0808362	**Collection Date:**	8/21/2008 11:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	9/2/2008
Chrysene	ND	10		µg/L	1	9/2/2008
Di-n-butyl phthalate	ND	10		µg/L	1	9/2/2008
Di-n-octyl phthalate	ND	10		µg/L	1	9/2/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	9/2/2008
Dibenzofuran	ND	10		µg/L	1	9/2/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	9/2/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	9/2/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	9/2/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	9/2/2008
Diethyl phthalate	ND	10		µg/L	1	9/2/2008
Dimethyl phthalate	ND	10		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	20		µg/L	1	9/2/2008
2,4-Dimethylphenol	ND	10		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	20		µg/L	1	9/2/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	9/2/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	9/2/2008
Fluoranthene	ND	10		µg/L	1	9/2/2008
Fluorene	ND	10		µg/L	1	9/2/2008
Hexachlorobenzene	ND	10		µg/L	1	9/2/2008
Hexachlorobutadiene	ND	10		µg/L	1	9/2/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	9/2/2008
Hexachloroethane	ND	10		µg/L	1	9/2/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	9/2/2008
Isophorone	ND	10		µg/L	1	9/2/2008
2-Methylnaphthalene	ND	10		µg/L	1	9/2/2008
2-Methylphenol	ND	10		µg/L	1	9/2/2008
3+4-Methylphenol	ND	10		µg/L	1	9/2/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	9/2/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	9/2/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	9/2/2008
Naphthalene	ND	10		µg/L	1	9/2/2008
2-Nitroaniline	ND	10		µg/L	1	9/2/2008
3-Nitroaniline	ND	10		µg/L	1	9/2/2008
4-Nitroaniline	ND	10		µg/L	1	9/2/2008
Nitrobenzene	ND	10		µg/L	1	9/2/2008
2-Nitrophenol	ND	10		µg/L	1	9/2/2008
4-Nitrophenol	ND	10		µg/L	1	9/2/2008
Pentachlorophenol	ND	20		µg/L	1	9/2/2008
Phenanthrene	ND	10		µg/L	1	9/2/2008
Phenol	ND	10		µg/L	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	0808362	**Collection Date:**	8/21/2008 11:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Pyrene	ND	10		µg/L	1	9/2/2008
Pyridine	ND	10		µg/L	1	9/2/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	9/2/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	78.1	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	80.7	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	61.7	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	75.3	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	81.3	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	50.5	10.7-80.3		%REC	1	9/2/2008
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
Benzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Toluene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 9:17:27 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 9:17:27 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 9:17:27 AM
Acetone	ND	10		µg/L	1	8/27/2008 9:17:27 AM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Bromoform	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
2-Butanone	ND	10		µg/L	1	8/27/2008 9:17:27 AM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 9:17:27 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 9:17:27 AM
Chloroform	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 9:17:27 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	PW-3
Lab Order:	0808362	**Collection Date:**	8/21/2008 11:45:00 AM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 9:17:27 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
2-Hexanone	ND	10		µg/L	1	8/27/2008 9:17:27 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 9:17:27 AM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 9:17:27 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Styrene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/27/2008 9:17:27 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 9:17:27 AM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 9:17:27 AM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 9:17:27 AM
Surr: 1,2-Dichloroethane-d4	94.9	68.1-123		%REC	1	8/27/2008 9:17:27 AM
Surr: 4-Bromofluorobenzene	104	53.2-145		%REC	1	8/27/2008 9:17:27 AM
Surr: Dibromofluoromethane	97.3	68.5-119		%REC	1	8/27/2008 9:17:27 AM
Surr: Toluene-d8	98.5	64-131		%REC	1	8/27/2008 9:17:27 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Blind Dup
Lab Order:	0808362	**Collection Date:**	8/21/2008 12:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	10		µg/L	1	9/2/2008
Acenaphthylene	ND	10		µg/L	1	9/2/2008
Aniline	ND	10		µg/L	1	9/2/2008
Anthracene	ND	10		µg/L	1	9/2/2008
Azobenzene	ND	10		µg/L	1	9/2/2008
Benz(a)anthracene	ND	10		µg/L	1	9/2/2008
Benzo(a)pyrene	ND	10		µg/L	1	9/2/2008
Benzo(b)fluoranthene	ND	10		µg/L	1	9/2/2008
Benzo(g,h,i)perylene	ND	10		µg/L	1	9/2/2008
Benzo(k)fluoranthene	ND	10		µg/L	1	9/2/2008
Benzoic acid	ND	20		µg/L	1	9/2/2008
Benzyl alcohol	ND	10		µg/L	1	9/2/2008
Bis(2-chloroethoxy)methane	ND	10		µg/L	1	9/2/2008
Bis(2-chloroethyl)ether	ND	10		µg/L	1	9/2/2008
Bis(2-chloroisopropyl)ether	ND	10		µg/L	1	9/2/2008
Bis(2-ethylhexyl)phthalate	ND	10		µg/L	1	9/2/2008
4-Bromophenyl phenyl ether	ND	10		µg/L	1	9/2/2008
Butyl benzyl phthalate	ND	10		µg/L	1	9/2/2008
Carbazole	ND	10		µg/L	1	9/2/2008
4-Chloro-3-methylphenol	ND	10		µg/L	1	9/2/2008
4-Chloroaniline	ND	10		µg/L	1	9/2/2008
2-Chloronaphthalene	ND	10		µg/L	1	9/2/2008
2-Chlorophenol	ND	10		µg/L	1	9/2/2008
4-Chlorophenyl phenyl ether	ND	10		µg/L	1	9/2/2008
Chrysene	ND	10		µg/L	1	9/2/2008
Di-n-butyl phthalate	ND	10		µg/L	1	9/2/2008
Di-n-octyl phthalate	ND	10		µg/L	1	9/2/2008
Dibenz(a,h)anthracene	ND	10		µg/L	1	9/2/2008
Dibenzofuran	ND	10		µg/L	1	9/2/2008
1,2-Dichlorobenzene	ND	10		µg/L	1	9/2/2008
1,3-Dichlorobenzene	ND	10		µg/L	1	9/2/2008
1,4-Dichlorobenzene	ND	10		µg/L	1	9/2/2008
3,3'-Dichlorobenzidine	ND	10		µg/L	1	9/2/2008
Diethyl phthalate	ND	10		µg/L	1	9/2/2008
Dimethyl phthalate	ND	10		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	20		µg/L	1	9/2/2008
2,4-Dimethylphenol	ND	10		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	20		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	20		µg/L	1	9/2/2008
2,4-Dinitrotoluene	ND	10		µg/L	1	9/2/2008
2,6-Dinitrotoluene	ND	10		µg/L	1	9/2/2008
Fluoranthene	ND	10		µg/L	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Blind Dup
Lab Order:	0808362	**Collection Date:**	8/21/2008 12:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluorene	ND	10		µg/L	1	9/2/2008
Hexachlorobenzene	ND	10		µg/L	1	9/2/2008
Hexachlorobutadiene	ND	10		µg/L	1	9/2/2008
Hexachlorocyclopentadiene	ND	10		µg/L	1	9/2/2008
Hexachloroethane	ND	10		µg/L	1	9/2/2008
Indeno(1,2,3-cd)pyrene	ND	10		µg/L	1	9/2/2008
Isophorone	ND	10		µg/L	1	9/2/2008
2-Methylnaphthalene	ND	10		µg/L	1	9/2/2008
2-Methylphenol	ND	10		µg/L	1	9/2/2008
3+4-Methylphenol	ND	10		µg/L	1	9/2/2008
N-Nitrosodi-n-propylamine	ND	10		µg/L	1	9/2/2008
N-Nitrosodimethylamine	ND	10		µg/L	1	9/2/2008
N-Nitrosodiphenylamine	ND	10		µg/L	1	9/2/2008
Naphthalene	ND	10		µg/L	1	9/2/2008
2-Nitroaniline	ND	10		µg/L	1	9/2/2008
3-Nitroaniline	ND	10		µg/L	1	9/2/2008
4-Nitroaniline	ND	10		µg/L	1	9/2/2008
Nitrobenzene	ND	10		µg/L	1	9/2/2008
2-Nitrophenol	ND	10		µg/L	1	9/2/2008
4-Nitrophenol	ND	10		µg/L	1	9/2/2008
Pentachlorophenol	ND	20		µg/L	1	9/2/2008
Phenanthrene	ND	10		µg/L	1	9/2/2008
Phenol	ND	10		µg/L	1	9/2/2008
Pyrene	ND	10		µg/L	1	9/2/2008
Pyridine	ND	10		µg/L	1	9/2/2008
1,2,4-Trichlorobenzene	ND	10		µg/L	1	9/2/2008
2,4,5-Trichlorophenol	ND	10		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	10		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	72.0	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	76.0	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	57.1	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	73.2	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	78.6	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	45.9	10.7-80.3		%REC	1	9/2/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Toluene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Blind Dup
Lab Order:	0808362	**Collection Date:**	8/21/2008 12:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 11:04:44 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 11:04:44 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 11:04:44 AM
Acetone	ND	10		µg/L	1	8/27/2008 11:04:44 AM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Bromoform	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
2-Butanone	ND	10		µg/L	1	8/27/2008 11:04:44 AM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 11:04:44 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 11:04:44 AM
Chloroform	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 11:04:44 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 11:04:44 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
2-Hexanone	ND	10		µg/L	1	8/27/2008 11:04:44 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 11:04:44 AM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 11:04:44 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Blind Dup
Lab Order:	0808362	**Collection Date:**	8/21/2008 12:15:00 PM
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Styrene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/27/2008 11:04:44 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 11:04:44 AM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 11:04:44 AM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 11:04:44 AM
Surr: 1,2-Dichloroethane-d4	97.9	68.1-123		%REC	1	8/27/2008 11:04:44 AM
Surr: 4-Bromofluorobenzene	98.3	53.2-145		%REC	1	8/27/2008 11:04:44 AM
Surr: Dibromofluoromethane	95.1	68.5-119		%REC	1	8/27/2008 11:04:44 AM
Surr: Toluene-d8	91.4	64-131		%REC	1	8/27/2008 11:04:44 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0808362	**Collection Date:**	
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	9/2/2008 8:39:17 PM
Surr: BFB	88.5	59.9-122		%REC	1	9/2/2008 8:39:17 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Toluene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Ethylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Naphthalene	ND	2.0		µg/L	1	8/27/2008 11:40:35 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 11:40:35 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	8/27/2008 11:40:35 AM
Acetone	ND	10		µg/L	1	8/27/2008 11:40:35 AM
Bromobenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Bromodichloromethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Bromoform	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Bromomethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
2-Butanone	ND	10		µg/L	1	8/27/2008 11:40:35 AM
Carbon disulfide	ND	10		µg/L	1	8/27/2008 11:40:35 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Chlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Chloroethane	ND	2.0		µg/L	1	8/27/2008 11:40:35 AM
Chloroform	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Chloromethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
2-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
4-Chlorotoluene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
cis-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	8/27/2008 11:40:35 AM
Dibromochloromethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Dibromomethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *18-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0808362	**Collection Date:**	
Project:	2008 Annual Groundwater Event	**Date Received:**	8/22/2008
Lab ID:	0808362-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2,2-Dichloropropane	ND	2.0		µg/L	1	8/27/2008 11;40:35 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
2-Hexanone	ND	10		µg/L	1	8/27/2008 11:40:35 AM
Isopropylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	8/27/2008 11:40:35 AM
Methylene Chloride	ND	3.0		µg/L	1	8/27/2008 11:40:35 AM
n-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
n-Propylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
sec-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Styrene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
tert-Butylbenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	8/27/2008 11:40:35 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
trans-1,2-DCE	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	8/27/2008 11:40:35 AM
Vinyl chloride	ND	1.0		µg/L	1	8/27/2008 11:40:35 AM
Xylenes, Total	ND	1.5		µg/L	1	8/27/2008 11:40:35 AM
Surr: 1,2-Dichloroethane-d4	97.8	68.1-123		%REC	1	8/27/2008 11:40:35 AM
Surr: 4-Bromofluorobenzene	100	53.2-145		%REC	1	8/27/2008 11:40:35 AM
Surr: Dibromofluoromethane	95.1	68.5-119		%REC	1	8/27/2008 11:40:35 AM
Surr: Toluene-d8	91.8	64-131		%REC	1	8/27/2008 11:40:35 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
P.O. Box 90430 • Albuquerque, New Mexico 87199 • (800) 447-0327

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0808362**
Order: **08080575** **HAL03** Receipt: **08-22-08**

Tamara Pacheco for
William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0808362-02C EP-2 INLET*** Collected: *08-21-08 8:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080575-001A		**EPA 405.1 Biochemical Oxygen Demand**					By:	NJL		
WBOD08095	WC.2008.2150.20	10-26-4	Biochemical Oxygen Demand	[redacted]	mg/L	1	4		08-22-08	08-27-08

Sample: ***0808362-02D EP-2 INLET*** Collected: *08-21-08 8:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080575-002A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08032	WC.2008.2156.14	C-004	Chemical Oxygen Demand	[redacted]	mg/L	10	10		09-03-08	09-03-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: *9/3/2008 3:46:02 PM*

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LAB ID: PA39-401

Benchmark Analytics, Inc.

4777 Saucon Creek Road
Center Valley, PA 18034

Phone: (610) 974-8100
Fax: (610) 974-8104

Work Order: 08083785

SEND DATA TO:

NAME: Ann Thorne
COMPANY: Hall Environmental Analysis Lab, Inc.
ADDRESS: 4901 Hawkins NE, Suite D
Albuquerque, NM 87109-4372

PHONE: (505) 345-3975
FAX: (505) 345-4107

WO#: 08083785
PAGE: 1 of 1
PO#:
PWS ID#

TEST REPORT

0808362

RECEIVED FOR LAB BY: DMB DATE: 08/26/2008 8:45

SAMPLE: **0808362-01E EP-1 Inlet** Lab ID: 08083785-001A Grab
SAMPLED BY: Client Sample Time: 08/21/2008 7:45

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst *
Uranium	[redacted]	EPA 200.8	30	08/28/08 12:50	08/29/08	JRA-CV
Uranium	1.25 pCi/L	EPA 200.8		08/28/08 12:50	08/29/08	JRA-CV

SAMPLE: **0808362-03E PW-3** Lab ID: 08083785-002A Grab
SAMPLED BY: Client Sample Time: 08/21/2008 11:45

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst *
Uranium	[redacted]	EPA 200.8	30	08/29/08 11:45	09/01/08	JRA-CV
Uranium	< 0.43 pCi/L	EPA 200.8		08/29/08 11:45	09/01/08	JRA-CV

SAMPLE: **0808362-03F PW-3** Lab ID: 08083785-003A Grab
SAMPLED BY: Client Sample Time: 08/21/2008 11:45

Test	Result	Method	RL	Analysis Start	Analysis End	Analyst *
Cyanide, Total	[redacted]	SM21 4500 CN C,E		08/30/08 10:00	08/30/08	LNP-CV

REMARKS:

The above test procedures meet all the requirements of NELAC and relate only to these samples.
* CV = Benchmark Analytics, Inc. Center Valley, PA; SA = Benchmark Analytics, Inc. Sayre, PA

MANAGER Cli Mel DATE: 9/2/2008

Benchmark Analytics, Inc.

Date: *04-Sep-08*

CLIENT: Hall Environmental Analysis Lab, Inc.
Work Order: 08083785
Project: 0808362

ANALYTICAL QC SUMMARY REPORT

TestCode: CN_TT_4500CN

Sample ID: MB-R27272 | SampType: MBLK | TestCode: CN_TT_4500 | Units: mg/L | Prep Date: | RunNo: 27272
Client ID: PBW | Batch ID: R27272 | TestNo: E335.2 | Analysis Date: 8/30/2008 | SeqNo: 518684

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	< 0.004	0.004									

Sample ID: 08083676-001AMS | SampType: MS | TestCode: CN_TT_4500 | Units: mg/L | Prep Date: | RunNo: 27272
Client ID: ZZZZZZ | Batch ID: R27272 | TestNo: E335.2 | Analysis Date: 8/30/2008 | SeqNo: 518688

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.042	0.004	0.04000	0	104	80	120				

Sample ID: 08084276-001BMS | SampType: MS | TestCode: CN_TT_4500 | Units: mg/L | Prep Date: | RunNo: 27272
Client ID: ZZZZZZ | Batch ID: R27272 | TestNo: E335.2 | Analysis Date: 8/30/2008 | SeqNo: 518699

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.034	0.004	0.04000	0	86.0	80	120				

Sample ID: 08084276-001BMSD | SampType: MSD | TestCode: CN_TT_4500 | Units: mg/L | Prep Date: | RunNo: 27272
Client ID: ZZZZZZ | Batch ID: R27272 | TestNo: E335.2 | Analysis Date: 8/30/2008 | SeqNo: 518700

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Cyanide, Total	0.036	0.004	0.04000	0	89.0	80	120	0.03440	4.00	20	

Qualifiers:
B Analyte detected in the associated Method Blank
J Analyte reported below quantitation limits
PHQC Sample pH was >2. Due to matrix effects, not all quality
D Limit of detection increased due to matrix interference an
L Value above calibration range but within annually verifie
Q Due to matrix effects, not all quality control parameters
E Value above quantitation range
LBP Lead based paint is defined as a paint with greater thar
R RPD outside accepted recovery limits

CLIENT: Hall Environmental Analysis Lab, Inc.
Work Order: 08083785
Project: 0808362

ANALYTICAL QC SUMMARY REPORT

TestCode: U_200.8

Sample ID: MBLK ED 082808 D | SampType: MBLK | TestCode: U_200.8 | Units: µg/L | Prep Date: | RunNo: 27257
Client ID: PBW | Batch ID: ED 082808 D | TestNo: E200.8 | Analysis Date: 8/28/2008 | SeqNo: 519072

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	< 0.51	0.51									

Sample ID: LFB ED 082808 D | SampType: LFB | TestCode: U_200.8 | Units: µg/L | Prep Date: | RunNo: 27257
Client ID: ZZZZZZ | Batch ID: ED 082808 D | TestNo: E200.8 | Analysis Date: 8/28/2008 | SeqNo: 519073

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	2.05	0.51	2.020	0	102	85	115				

Sample ID: 08083470-001A DUP | SampType: DUP | TestCode: U_200.8 | Units: µg/L | Prep Date: | RunNo: 27257
Client ID: ZZZZZZ | Batch ID: ED 082808 D | TestNo: E200.8 | Analysis Date: 8/28/2008 | SeqNo: 519075

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	< 0.50	0.50									

Sample ID: 08083470-001A MS | SampType: MS | TestCode: U_200.8 | Units: µg/L | Prep Date: | RunNo: 27257
Client ID: ZZZZZZ | Batch ID: ED 082808 D | TestNo: E200.8 | Analysis Date: 8/28/2008 | SeqNo: 519076

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Uranium	2.09	0.51	2.020	0	103	70	130				

Qualifiers:
- B Analyte detected in the associated Method Blank
- J Analyte reported below quantitation limits
- PHQC Sample pH was >2. Due to matrix effects, not all quality
- D Limit of detection increased due to matrix interference an
- L Value above calibration range but within annually verifie
- Q Due to matrix effects, not all quality control parameters
- E Value above quantitation range
- LBP Lead based paint is defined as a paint with greater than
- R RPD outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R29899**	Analysis Date:	8/22/2008 9:13:34 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R29899**	Analysis Date:	8/22/2008 9:30:59 AM	
Fluoride	0.5033	mg/L	0.10	101	90	110			
Chloride	4.867	mg/L	0.10	97.3	90	110			
Nitrogen, Nitrite (As N)	0.9855	mg/L	0.10	98.5	90	110			
Nitrogen, Nitrate (As N)	2.482	mg/L	0.10	99.3	90	110			
Phosphorus, Orthophosphate (As P)	4.847	mg/L	0.50	96.9	90	110			
Sulfate	9.922	mg/L	0.50	99.2	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-16900		*MBLK*			Batch ID:	**16900**	Analysis Date:	8/31/2008 1:36:36 AM	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-16900		*LCS*			Batch ID:	**16900**	Analysis Date:	8/31/2008 2:12:02 AM	
Diesel Range Organics (DRO)	5.598	mg/L	1.0	112	74	157			
Sample ID: LCSD-16900		*LCSD*			Batch ID:	**16900**	Analysis Date:	8/31/2008 2:47:27 AM	
Diesel Range Organics (DRO)	5.508	mg/L	1.0	110	74	157	1.62	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R30030**	Analysis Date:	9/2/2008 9:31:32 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R30030**	Analysis Date:	9/3/2008 6:16:02 AM	
Gasoline Range Organics (GRO)	0.4760	mg/L	0.050	95.2	80	115			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16886		*MBLK*			Batch ID:	**16886**	Analysis Date:		9/2/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
Carbazole	ND	µg/L	10						
hloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event
Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16886		*MBLK*			Batch ID:	16886	Analysis Date:		9/2/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16886		*LCS*			Batch ID:	16886	Analysis Date:		9/2/2008
Acenaphthene	64.66	µg/L	10	58.5	11	123			
4-Chloro-3-methylphenol	132.8	µg/L	10	66.4	15.4	119			
2-Chlorophenol	132.4	µg/L	10	66.2	12.2	122			
1,4-Dichlorobenzene	60.54	µg/L	10	60.5	16.9	100			
2,4-Dinitrotoluene	64.20	µg/L	10	64.2	13	138			
N-Nitrosodi-n-propylamine	73.26	µg/L	10	73.3	9.93	122			
4-Nitrophenol	72.86	µg/L	10	36.4	12.5	87.4			
Pentachlorophenol	130.4	µg/L	20	65.2	3.55	114			
Phenol	79.06	µg/L	10	39.5	7.53	73.1			
Pyrene	64.08	µg/L	10	59.5	12.6	140			
1,2,4-Trichlorobenzene	61.44	µg/L	10	61.4	17.4	98.7			
Sample ID: lcsd-16886		*LCSD*			Batch ID:	16886	Analysis Date:		9/2/2008
Acenaphthene	63.34	µg/L	10	57.1	11	123	2.06	30.5	
4-Chloro-3-methylphenol	139.7	µg/L	10	69.9	15.4	119	5.09	28.6	
2-Chlorophenol	130.6	µg/L	10	65.3	12.2	122	1.34	107	
1,4-Dichlorobenzene	59.50	µg/L	10	59.5	16.9	100	1.73	62.1	
2,4-Dinitrotoluene	64.80	µg/L	10	64.8	13	138	0.930	14.7	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16886		*LCSD*			Batch ID:	**16886**	Analysis Date:		9/2/2008
N-Nitrosodi-n-propylamine	75.68	µg/L	10	75.7	9.93	122	3.25	30.3	
4-Nitrophenol	60.22	µg/L	10	30.1	12.5	87.4	19.0	36.3	
Pentachlorophenol	124.8	µg/L	20	62.4	3.55	114	4.36	49	
Phenol	78.92	µg/L	10	39.5	7.53	73.1	0.177	52.4	
Pyrene	61.02	µg/L	10	56.4	12.6	140	4.89	16.3	
1,2,4-Trichlorobenzene	59.78	µg/L	10	59.8	17.4	98.7	2.74	36.4	
Method: EPA Method 7470: Mercury									
Sample ID: MB-16932		*MBLK*			Batch ID:	**16932**	Analysis Date:		8/31/2008 4:07:28 PM
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-16932		*LCS*			Batch ID:	**16932**	Analysis Date:		8/31/2008 4:09:12 PM
Mercury	0.004916	mg/L	0.00020	98.3	80	120			

Qualifiers:

B	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-16920		*MBLK*			Batch ID:	**16920**	Analysis Date:	9/3/2008 2:05:00 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	1.0						
Zinc	ND	mg/L	0.020						
Sample ID: LCS-16920		*LCS*			Batch ID:	**16920**	Analysis Date:	9/3/2008 2:07:22 PM	
Arsenic	0.5251	mg/L	0.020	105	80	120			
Barium	0.4887	mg/L	0.010	97.7	80	120			
Cadmium	0.4999	mg/L	0.0020	100	80	120			
Calcium	50.72	mg/L	0.50	100	80	120			
Chromium	0.5075	mg/L	0.0060	102	80	120			
Copper	0.5085	mg/L	0.0060	101	80	120			
Iron	0.4931	mg/L	0.050	98.6	80	120			
Lead	0.4964	mg/L	0.0050	99.3	80	120			
Magnesium	50.56	mg/L	0.50	100	80	120			
Manganese	0.4870	mg/L	0.0020	97.4	80	120			
Potassium	53.65	mg/L	1.0	106	80	120			
Selenium	0.4892	mg/L	0.050	97.8	80	120			
Silver	0.5013	mg/L	0.0050	100	80	120			
Sodium	53.74	mg/L	1.0	106	80	120			
Zinc	0.4862	mg/L	0.020	97.2	80	120			
Method: SM 2540C Total Dissolved Solids									
Sample ID: MB-16898		*MBLK*			Batch ID:	**16898**	Analysis Date:	8/26/2008	
Total Dissolved Solids	ND	mg/L	20						
Sample ID: LCS-16898		*LCS*			Batch ID:	**16898**	Analysis Date:	8/26/2008	
Total Dissolved Solids	1013	mg/L	20	101	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 0808362-03a MSD		*MSD*			Batch ID: **R29944**		Analysis Date:	8/27/2008 10:28:54 AM	
Benzene	20.88	µg/L	1.0	104	72.4	126	3.34	15	
Toluene	19.75	µg/L	1.0	98.8	79.2	115	2.99	15	
Chlorobenzene	22.20	µg/L	1.0	111	83.1	111	4.04	15	
1,1-Dichloroethene	23.91	µg/L	1.0	120	81.4	122	6.16	17.8	
Trichloroethene (TCE)	19.71	µg/L	1.0	98.5	64.4	118	4.69	19.8	
Sample ID: 5ml rb		*MBLK*			Batch ID: **R29944**		Analysis Date:	8/26/2008 9:10:18 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ient: Western Refining Southwest, Gallup
oject: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29944**	Analysis Date:	8/26/2008 9:10:18 AM	
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b8		*MBLK*			Batch ID:	**R29944**	Analysis Date:	8/26/2008 11:56:52 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						

ifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Method: EPA Method 8260B: VOLATILES

Sample ID: b8 *MBLK* Batch ID: R29944 Analysis Date: 8/26/2008 11:56:52 PM

2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
Carbon Tetrachloride	ND	µg/L	1.0
Chlorobenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifludromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0
4-Methyl-2-pentanone	ND	µg/L	10
Methylene Chloride	ND	µg/L	3.0
n-Butylbenzene	ND	µg/L	1.0
n-Propylbenzene	ND	µg/L	1.0
sec-Butylbenzene	ND	µg/L	1.0
Styrene	ND	µg/L	1.0
tert-Butylbenzene	ND	µg/L	1.0
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0
Tetrachloroethene (PCE)	ND	µg/L	1.0
trans-1,2-DCE	ND	µg/L	1.0
trans-1,3-Dichloropropene	ND	µg/L	1.0
1,2,3-Trichlorobenzene	ND	µg/L	1.0
1,2,4-Trichlorobenzene	ND	µg/L	1.0
1,1,1-Trichloroethane	ND	µg/L	1.0
1,1,2-Trichloroethane	ND	µg/L	1.0

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event
Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b8		*MBLK*			Batch ID:	**R29944**	Analysis Date:	8/26/2008 11:56:52 PM	
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29968**	Analysis Date:	8/27/2008 1:41:36 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R29968**	Analysis Date:	8/27/2008 1:41:36 PM	
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b4		*MBLK*			Batch ID:	**R29968**	Analysis Date:	8/28/2008 1:47:54 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b4		*MBLK*			Batch ID:	R29968	Analysis Date:	8/28/2008 1:47:54 AM	
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 Annual Groundwater Event

Work Order: 0808362

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b4		*MBLK*			Batch ID:	R29968	Analysis Date:	8/28/2008 1:47:54 AM	
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	R29944	Analysis Date:	8/26/2008 10:22:08 AM	
Benzene	19.59	µg/L	1.0	97.9	86.8	120			
Toluene	20.66	µg/L	1.0	103	64.1	127			
Chlorobenzene	22.08	µg/L	1.0	110	82.4	113			
1,1-Dichloroethene	24.66	µg/L	1.0	123	86.5	132			
Trichloroethene (TCE)	19.33	µg/L	1.0	96.7	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	R29944	Analysis Date:	8/27/2008 1:08:33 AM	
Benzene	20.49	µg/L	1.0	102	86.8	120			
Toluene	20.66	µg/L	1.0	103	64.1	127			
Chlorobenzene	23.33	µg/L	1.0	117	82.4	113			S
1,1-Dichloroethene	25.11	µg/L	1.0	126	86.5	132			
Trichloroethene (TCE)	21.06	µg/L	1.0	105	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	R29968	Analysis Date:	8/27/2008 2:38:58 PM	
Benzene	21.89	µg/L	1.0	109	86.8	120			
Toluene	20.00	µg/L	1.0	100	64.1	127			
Chlorobenzene	22.59	µg/L	1.0	113	82.4	113			
1,1-Dichloroethene	24.83	µg/L	1.0	124	86.5	132			
Trichloroethene (TCE)	21.09	µg/L	1.0	105	77.3	123			
Sample ID: 100ng lcs		*LCS*			Batch ID:	R29968	Analysis Date:	8/28/2008 2:45:23 AM	
Benzene	21.80	µg/L	1.0	109	86.8	120			
Toluene	20.36	µg/L	1.0	102	64.1	127			
Chlorobenzene	22.04	µg/L	1.0	110	82.4	113			
1,1-Dichloroethene	24.09	µg/L	1.0	120	86.5	132			
Trichloroethene (TCE)	19.55	µg/L	1.0	97.8	77.3	123			
Sample ID: 0808362-03a MS		*MS*			Batch ID:	R29944	Analysis Date:	8/27/2008 9:53:10 AM	
Benzene	21.59	µg/L	1.0	108	72.4	126			
Toluene	20.35	µg/L	1.0	102	79.2	115			
Chlorobenzene	23.11	µg/L	1.0	116	83.1	111			S
1,1-Dichloroethene	25.43	µg/L	1.0	127	81.4	122			S
Trichloroethene (TCE)	20.66	µg/L	1.0	103	64.4	118			

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 8/22/2008

Work Order Number 0808362

Received by: AT

Checklist completed by: _____ Signature 8/22/08 Date

Sample ID labels checked by: _____ Initials

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Ch -of-Custody Record

Client: Western Refining Company Gallup
Mailing Address: Route 3 Box 7 Gallup, NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: 2008 Annual Groundwater Event
Project #:
Project Manager: Ed Riege
Sampler: Steve Morris
On Ice: X Yes ☐ No
Sample Temperature: 6

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0808367	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	~~RCRA 8~~ Metals WQCC Total	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem	BOD, COD + TDS	Cyanide	Nitrate	Air Bubbles (Y or N)
8-21-08	0745	H_2O	EP-1 Inlet			-1			X				X			X	X	X				
8-21-08	0915	H_2O	EP-2 Inlet			-2			X							X			X			
8-21-08	1145	H_2O	PW-3			-3							X			X	X			X	X	
8-21-08	1215	H_2O	Blind Dup.			-4										X	X					
			Trip Blank			-5			X							X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
8-22-08	1030	Steve Morris	[signature]	8/22/08	1030
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, September 16, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1 AL-2 EP-1

Order No.: 0808445

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 8/28/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 INLET
Lab Order:	0808445	**Collection Date:**	8/26/2008 1:30:00 PM
Project:	AL-1 AL-2 EP-1	**Date Received:**	8/28/2008
Lab ID:	0808445-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/2/2008
2-Chlorophenol	ND	100		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/2/2008
2,4-Dimethylphenol	270	100		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/2/2008
2-Methylphenol	5400	1000		µg/L	10	9/2/2008
3+4-Methylphenol	10000	1000		µg/L	10	9/2/2008
2-Nitrophenol	ND	100		µg/L	1	9/2/2008
4-Nitrophenol	ND	100		µg/L	1	9/2/2008
Pentachlorophenol	ND	200		µg/L	1	9/2/2008
Phenol	21000	1000		µg/L	10	9/2/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	78.9	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	78.9	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	63.2	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	88.8	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	82.6	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	33.7	10.7-80.3		%REC	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 INLET
Lab Order:	0808445	**Collection Date:**	8/26/2008 1:45:00 PM
Project:	AL-1 AL-2 EP-1	**Date Received:**	8/28/2008
Lab ID:	0808445-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/2/2008
2-Chlorophenol	ND	100		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/2/2008
2,4-Dimethylphenol	330	100		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/2/2008
2-Methylphenol	4200	1000		µg/L	10	9/2/2008
3+4-Methylphenol	6200	1000		µg/L	10	9/2/2008
2-Nitrophenol	ND	100		µg/L	1	9/2/2008
4-Nitrophenol	ND	100		µg/L	1	9/2/2008
Pentachlorophenol	ND	200		µg/L	1	9/2/2008
Phenol	15000	1000		µg/L	10	9/2/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	36.6	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	72.4	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	44.9	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	56.1	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	79.8	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	20.8	10.7-80.3		%REC	1	9/2/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 INLET
Lab Order:	0808445	**Collection Date:**	8/26/2008 2:10:00 PM
Project:	AL-1 AL-2 EP-1	**Date Received:**	8/28/2008
Lab ID:	0808445-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/2/2008
2-Chlorophenol	ND	100		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/2/2008
2,4-Dimethylphenol	260	100		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/2/2008
2-Methylphenol	2300	1000		µg/L	10	9/2/2008
3+4-Methylphenol	2400	1000		µg/L	10	9/2/2008
2-Nitrophenol	ND	100		µg/L	1	9/2/2008
4-Nitrophenol	ND	100		µg/L	1	9/2/2008
Pentachlorophenol	ND	200		µg/L	1	9/2/2008
Phenol	7800	1000		µg/L	10	9/2/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	45.2	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	75.3	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	55.9	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	62.0	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	87.2	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	52.1	10.7-80.3		%REC	1	9/2/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	Analyte Detected In Method Blank
E	Result Is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0808445**
Order: **08080707** **HAL03** Receipt: **08-28-08**

William P. Biava: President of Assalgal Analytical Laboratories, Inc.

Sample: *0808445-01A AL-1 INLET* Collected: *08-26-08 13:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-001A		EPA 405.1 Biochemical Oxygen Demand					By:	NJL		
WBOD08097	WC.2008.2222.15	10-26-4	Biochemical Oxygen Demand	> 2930	mg/L	1	2		08-28-08	09-02-08

Sample: *0808445-01B AL-1 INLET* Collected: *08-26-08 13:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-002A		EPA 410.1 Chemical Oxygen Demand					By:	NJL		
WCOD08033	WC.2008.2184.9	C-004	Chemical Oxygen Demand	5120	mg/L	10	10		09-04-08	09-05-08

Sample: *0808445-02A AL-2 INLET* Collected: *08-26-08 13:45:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-003A		EPA 405.1 Biochemical Oxygen Demand					By:	NJL		
WBOD08097	WC.2008.2222.16	10-26-4	Biochemical Oxygen Demand	2400	mg/L	1	2		08-28-08	09-02-08

Report Date: *9/11/2008 9:16:26 AM*

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0808445**
Order: **08080707** **HAL03** Receipt: **08-28-08**

Sample: ***0808445-02B AL-2 INLET*** Collected: *08-26-08 13:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-004A		**EPA 410.1 Chemical Oxygen Demand**						By: NJL		
WCOD08033	WC.2008.2184.10	C-004	Chemical Oxygen Demand	5360	mg/L	10	10		09-04-08	09-05-08

Sample: ***0808445-03A EP-1 INLET*** Collected: *08-26-08 14:10:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-005A		**EPA 405.1 Biochemical Oxygen Demand**						By: NJL		
WBOD08097	WC.2008.2222.17	10-26-4	Biochemical Oxygen Demand	1530	mg/L	1	2		08-28-08	09-02-08

Sample: ***0808445-03B EP-1 INLET*** Collected: *08-26-08 14:10:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-006A		**EPA 410.1 Chemical Oxygen Demand**						By: NJL		
WCOD08033	WC.2008.2184.11	C-004	Chemical Oxygen Demand	6100	mg/L	10	10		09-04-08	09-05-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1 AL-2 EP-1

Work Order: 0808445

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16926		*MBLK*			Batch ID:	16926	Analysis Date:		9/2/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
Butyl benzyl phthalate	ND	µg/L	10						
Carbazole	ND	µg/L	10						
4-Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	10						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	10						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2,4-Dinitrotoluene	ND	µg/L	10						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
Hexachlorobenzene	ND	µg/L	10						

Qualifiers:

B	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1 AL-2 EP-1

Work Order: 0808445

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16926		*MBLK*			Batch ID:	16926	Analysis Date:		9/2/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16926		*LCS*			Batch ID:	16926	Analysis Date:		9/2/2008
Acenaphthene	55.62	µg/L	10	50.2	11	123			
4-Chloro-3-methylphenol	120.3	µg/L	10	60.2	15.4	119			
2-Chlorophenol	112.7	µg/L	10	56.4	12.2	122			
1,4-Dichlorobenzene	51.18	µg/L	10	51.2	16.9	100			
2,4-Dinitrotoluene	55.04	µg/L	10	55.0	13	138			
N-Nitrosodi-n-propylamine	68.60	µg/L	10	68.6	9.93	122			
4-Nitrophenol	49.66	µg/L	10	24.3	12.5	87.4			
Pentachlorophenol	97.22	µg/L	20	45.2	3.55	114			
Phenol	71.58	µg/L	10	35.8	7.53	73.1			
Pyrene	53.92	µg/L	10	49.4	12.6	140			
1,2,4-Trichlorobenzene	52.90	µg/L	10	52.9	17.4	98.7			
Sample ID: lcsd-16926		*LCSD*			Batch ID:	16926	Analysis Date:		9/2/2008
Acenaphthene	57.76	µg/L	10	52.3	11	123	3.77	30.5	
4-Chloro-3-methylphenol	119.4	µg/L	10	59.7	15.4	119	0.784	28.6	
2-Chlorophenol	108.1	µg/L	10	54.0	12.2	122	4.20	107	
1,4-Dichlorobenzene	52.84	µg/L	10	52.8	16.9	100	3.19	62.1	
2,4-Dinitrotoluene	58.00	µg/L	10	58.0	13	138	5.24	14.7	

Qualifiers:

B	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1 AL-2 EP-1

Work Order: 0808445

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16926		*LCSD*			Batch ID: 16926		Analysis Date:		9/2/2008
N-Nitrosodi-n-propylamine	68.66	µg/L	10	68.7	9.93	122	0.0874	30.3	
4-Nitrophenol	25.04	µg/L	10	12.5	12.5	87.4	65.9	36.3	R
Pentachlorophenol	69.02	µg/L	20	31.1	3.55	114	33.9	49	
Phenol	68.26	µg/L	10	34.1	7.53	73.1	4.75	52.4	
Pyrene	56.96	µg/L	10	52.5	12.6	140	5.48	16.3	
1,2,4-Trichlorobenzene	55.04	µg/L	10	55.0	17.4	98.7	3.97	36.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 8/28/2008

Work Order Number 0808445

Received by: ARS

Checklist completed by: Signature 8/28/08 Date

Sample ID labels checked by: Initials

Matrix:

Carrier name ~~FedEx~~ UPS AS 8/28

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action

Chain-of-Custody Record

Client: WESTERN REFINING
Gallup Refinery
Address: RT 3 Box 9
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: AL-1 AL-2 EP-1

Project #:

Project Manager: GAURAV RAJEN

Sampler: A. Dorsey

On Ice: ☒ Yes ☐ No

Sample Temperature: 6°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0808445	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
08/26/08	1330	AL-1 Inlet	1/1000 mL		1												X				
08/26/08	1330	AL-1 Inlet	1/500 mL	H_2SO_4	1													X			
08/26/08	1330	AL-1 Inlet	1/Liter		1														X		
08/26/08	1345	AL-2 Inlet	1/1000 mL		2												X				
08/26/08	1345	AL-2 Inlet	1/500 mL	H_2SO_4	2													X			
08/26/08	1345	AL-2 Inlet	1/Liter		2														X		
08/26/08	1410	EP1 - Inlet	1/1000 mL		3												X				
08/26/08	1410	EP1 - Inlet	1/500 mL	H_2SO_4	3													X			
08/26/08	1410	EP1 - Inlet	1/Liter		3														X		

Date:	Time:	Relinquished by:	Received by:	Date:	Time:	Relinquished by:	Received by:
08/26/08		[signature]	[signature] 9:17 8/28/08				

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Tuesday, September 16, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1 AL-2 EP-1

Order No.: 0808445

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 8/28/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 INLET
Lab Order:	0808445	**Collection Date:**	8/26/2008 1:30:00 PM
Project:	AL-1 AL-2 EP-1	**Date Received:**	8/28/2008
Lab ID:	0808445-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/2/2008
2-Chlorophenol	ND	100		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/2/2008
2,4-Dimethylphenol	270	100		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/2/2008
2-Methylphenol	5400	1000		µg/L	10	9/2/2008
3+4-Methylphenol	10000	1000		µg/L	10	9/2/2008
2-Nitrophenol	ND	100		µg/L	1	9/2/2008
4-Nitrophenol	ND	100		µg/L	1	9/2/2008
Pentachlorophenol	ND	200		µg/L	1	9/2/2008
Phenol	21000	1000		µg/L	10	9/2/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	78.9	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	78.9	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	63.2	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	88.8	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	82.6	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	33.7	10.7-80.3		%REC	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 INLET
Lab Order:	0808445	**Collection Date:**	8/26/2008 1:45:00 PM
Project:	AL-1 AL-2 EP-1	**Date Received:**	8/28/2008
Lab ID:	0808445-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/2/2008
2-Chlorophenol	ND	100		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/2/2008
2,4-Dimethylphenol	330	100		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/2/2008
2-Methylphenol	4200	1000		µg/L	10	9/2/2008
3+4-Methylphenol	6200	1000		µg/L	10	9/2/2008
2-Nitrophenol	ND	100		µg/L	1	9/2/2008
4-Nitrophenol	ND	100		µg/L	1	9/2/2008
Pentachlorophenol	ND	200		µg/L	1	9/2/2008
Phenol	15000	1000		µg/L	10	9/2/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	36.6	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	72.4	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	44.9	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	56.1	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	79.8	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	20.8	10.7-80.3		%REC	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *16-Sep-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 INLET
Lab Order:	0808445	**Collection Date:**	8/26/2008 2:10:00 PM
Project:	AL-1 AL-2 EP-1	**Date Received:**	8/28/2008
Lab ID:	0808445-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/2/2008
2-Chlorophenol	ND	100		µg/L	1	9/2/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/2/2008
2,4-Dimethylphenol	260	100		µg/L	1	9/2/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/2/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/2/2008
2-Methylphenol	2300	1000		µg/L	10	9/2/2008
3+4-Methylphenol	2400	1000		µg/L	10	9/2/2008
2-Nitrophenol	ND	100		µg/L	1	9/2/2008
4-Nitrophenol	ND	100		µg/L	1	9/2/2008
Pentachlorophenol	ND	200		µg/L	1	9/2/2008
Phenol	7800	1000		µg/L	10	9/2/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/2/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/2/2008
Surr: 2,4,6-Tribromophenol	45.2	16.6-150		%REC	1	9/2/2008
Surr: 2-Fluorobiphenyl	75.3	19.6-134		%REC	1	9/2/2008
Surr: 2-Fluorophenol	55.9	9.54-113		%REC	1	9/2/2008
Surr: 4-Terphenyl-d14	62.0	22.7-145		%REC	1	9/2/2008
Surr: Nitrobenzene-d5	87.2	14.6-134		%REC	1	9/2/2008
Surr: Phenol-d5	52.1	10.7-80.3		%REC	1	9/2/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	Analyte Detected In Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0808445
Order: 08080707 HAL03 Receipt: 08-28-08

William P. Biava: President of Assalgai Analytical Laboratories, Inc.

Sample: *0808445-01A AL-1 INLET* Collected: *08-26-08 13:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-001A		EPA 405.1 Biochemical Oxygen Demand						By: NJL		
WBOD08097	WC.2008.2222.15	10-26-4	Biochemical Oxygen Demand	> 2930	mg/L	1	2		08-28-08	09-02-08

Sample: *0808445-01B AL-1 INLET* Collected: *08-26-08 13:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-002A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08033	WC.2008.2184.9	C-004	Chemical Oxygen Demand	5120	mg/L	10	10		09-04-08	09-05-08

Sample: *0808445-02A AL-2 INLET* Collected: *08-26-08 13:45:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-003A		EPA 405.1 Biochemical Oxygen Demand						By: NJL		
WBOD08097	WC.2008.2222.16	10-26-4	Biochemical Oxygen Demand	2400	mg/L	1	2		08-28-08	09-02-08

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0808445**
Order: **08080707** **HAL03** Receipt: **08-28-08**

Sample: ***0808445-02B AL-2 INLET*** Collected: *08-26-08 13:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-004A		**EPA 410.1 Chemical Oxygen Demand**					By:	NJL		
WCOD08033	WC.2008.2184.10	C-004	Chemical Oxygen Demand	5360	mg/L	10	10		09-04-08	09-05-08

Sample: ***0808445-03A EP-1 INLET*** Collected: *08-26-08 14:10:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-005A		**EPA 405.1 Biochemical Oxygen Demand**					By:	NJL		
WBOD08097	WC.2008.2222.17	10-26-4	Biochemical Oxygen Demand	1530	mg/L	1	2		08-28-08	09-02-08

Sample: ***0808445-03B EP-1 INLET*** Collected: *08-26-08 14:10:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08080707-006A		**EPA 410.1 Chemical Oxygen Demand**					By:	NJL		
WCOD08033	WC.2008.2184.11	C-004	Chemical Oxygen Demand	6100	mg/L	10	10		09-04-08	09-05-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

'ient: Western Refining Southwest, Gallup
roject: AL-1 AL-2 EP-1

Work Order: 0808445

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Method: **EPA Method 8270C: Semivolatiles**
Sample ID: **mb-16926** *MBLK* Batch ID: **16926** Analysis Date: 9/2/2008

Acenaphthene	ND	µg/L	10
Acenaphthylene	ND	µg/L	10
Aniline	ND	µg/L	10
Anthracene	ND	µg/L	10
Azobenzene	ND	µg/L	10
Benz(a)anthracene	ND	µg/L	10
Benzo(a)pyrene	ND	µg/L	10
Benzo(b)fluoranthene	ND	µg/L	10
Benzo(g,h,i)perylene	ND	µg/L	10
Benzo(k)fluoranthene	ND	µg/L	10
Benzoic acid	ND	µg/L	20
Benzyl alcohol	ND	µg/L	10
Bis(2-chloroethoxy)methane	ND	µg/L	10
Bis(2-chloroethyl)ether	ND	µg/L	10
Bis(2-chloroisopropyl)ether	ND	µg/L	10
Bis(2-ethylhexyl)phthalate	ND	µg/L	10
4-Bromophenyl phenyl ether	ND	µg/L	10
Butyl benzyl phthalate	ND	µg/L	10
Carbazole	ND	µg/L	10
'hloro-3-methylphenol	ND	µg/L	10
-Chloroaniline	ND	µg/L	10
2-Chloronaphthalene	ND	µg/L	10
2-Chlorophenol	ND	µg/L	10
4-Chlorophenyl phenyl ether	ND	µg/L	10
Chrysene	ND	µg/L	10
Di-n-butyl phthalate	ND	µg/L	10
Di-n-octyl phthalate	ND	µg/L	10
Dibenz(a,h)anthracene	ND	µg/L	10
Dibenzofuran	ND	µg/L	10
1,2-Dichlorobenzene	ND	µg/L	10
1,3-Dichlorobenzene	ND	µg/L	10
1,4-Dichlorobenzene	ND	µg/L	10
3,3'-Dichlorobenzidine	ND	µg/L	10
Diethyl phthalate	ND	µg/L	10
Dimethyl phthalate	ND	µg/L	10
2,4-Dichlorophenol	ND	µg/L	20
2,4-Dimethylphenol	ND	µg/L	10
4,6-Dinitro-2-methylphenol	ND	µg/L	20
2,4-Dinitrophenol	ND	µg/L	20
2,4-Dinitrotoluene	ND	µg/L	10
2,6-Dinitrotoluene	ND	µg/L	10
Fluoranthene	ND	µg/L	10
Fluorene	ND	µg/L	10
Hexachlorobenzene	ND	µg/L	10

alifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1 AL-2 EP-1

Work Order: 0808445

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-16926		*MBLK*			Batch ID:	**16926**	Analysis Date:		9/2/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	10						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	10						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-16926		*LCS*			Batch ID:	**16926**	Analysis Date:		9/2/2008
Acenaphthene	55.62	µg/L	10	50.2	11	123			
4-Chloro-3-methylphenol	120.3	µg/L	10	60.2	15.4	119			
2-Chlorophenol	112.7	µg/L	10	56.4	12.2	122			
1,4-Dichlorobenzene	51.18	µg/L	10	51.2	16.9	100			
2,4-Dinitrotoluene	55.04	µg/L	10	55.0	13	138			
N-Nitrosodi-n-propylamine	68.60	µg/L	10	68.6	9.93	122			
4-Nitrophenol	49.66	µg/L	10	24.8	12.5	87.4			
Pentachlorophenol	97.22	µg/L	20	45.2	3.55	114			
Phenol	71.58	µg/L	10	35.8	7.53	73.1			
Pyrene	53.92	µg/L	10	49.4	12.6	140			
1,2,4-Trichlorobenzene	52.90	µg/L	10	52.9	17.4	98.7			
Sample ID: lcsd-16926		*LCSD*			Batch ID:	**16926**	Analysis Date:		9/2/2008
Acenaphthene	57.76	µg/L	10	52.3	11	123	3.77	30.5	
4-Chloro-3-methylphenol	119.4	µg/L	10	59.7	15.4	119	0.784	28.6	
2-Chlorophenol	108.1	µg/L	10	54.0	12.2	122	4.20	107	
1,4-Dichlorobenzene	52.84	µg/L	10	52.8	16.9	100	3.19	62.1	
2,4-Dinitrotoluene	58.00	µg/L	10	58.0	13	138	5.24	14.7	

Qualifiers:

- ~ Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1 AL-2 EP-1

Work Order: 0808445

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: lcsd-16926		*LCSD*			Batch ID:	**16926**	Analysis Date:		9/2/2008
N-Nitrosodi-n-propylamine	68.66	µg/L	10	68.7	9.93	122	0.0874	30.3	
4-Nitrophenol	25.04	µg/L	10	12.5	12.5	87.4	65.9	36.3	R
Pentachlorophenol	69.02	µg/L	20	31.1	3.55	114	33.9	49	
Phenol	68.26	µg/L	10	34.1	7.53	73.1	4.75	52.4	
Pyrene	56.96	µg/L	10	52.5	12.6	140	5.48	16.3	
1,2,4-Trichlorobenzene	55.04	µg/L	10	55.0	17.4	98.7	3.97	36.4	

ifiers:

- Value above quantitation range
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 8/28/2008

Work Order Number 0808445

Received by: ARS

Checklist completed by: _____ Signature _____ Date 8/28/08

Sample ID labels checked by: _____ Initials

Matrix:

Carrier name ~~FedEx~~ UPS AS 8/28

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN REFINING
Gallup Refinery
Address: RT 3 Box 9
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: AL-1 AL-2 EP-1
Project #:
Project Manager: GAURAV RAJEN
Sampler: A. Dorsey
On Ice: ☒ Yes ☐ No
Sample Temperature: 6°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0808445	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
08/26/08	1330	AL-1 Inlet	1/1000 mL		1												X				
08/26/08	1330	AL-1 Inlet	1/500 mL	H_2SO_4	1													X			
08/26/08	1330	AL-1 Inlet	1/Liter		1														X		
08/26/08	1345	AL-2 Inlet	1/1000 mL		2												X				
08/26/08	1345	AL-2 Inlet	1/500 mL	H_2SO_4	2													X			
08/26/08	1345	AL-2 Inlet	1/Liter		2														X		
08/26/08	1410	EP1-Inlet	1/1000 mL		3												X				
08/26/08	1410	EP1-Inlet	1/500 mL	H_2SO_4	3													X			
08/26/08	1410	EP1-Inlet	1/Liter		3														X		

Date:	Time:	Relinquished by:	Received by:	
08/26/08				9:17 8/28/08
Date:	Time:	Relinquished by:	Received by:	

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, October 13, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Quarterly OCD Samples 3rd Qtr 2008

Order No.: 0809190

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 9/10/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. Date: *14-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008
Lab Order: 0809190

CASE NARRATIVE

"S" flags denote that the surrogate was not recoverable due to sample dilution or matrix interferences.

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0809190	**Collection Date:**	9/9/2008 11:00:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	44	3.0		mg/L	1	9/16/2008
Motor Oil Range Organics (MRO)	19	15		mg/L	1	9/16/2008
Surr: DNOP	127	58-140		%REC	1	9/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	5.0		mg/L	100	9/20/2008 10:25:26 AM
Surr: BFB	85.5	59.9-122		%REC	100	9/20/2008 10:25:26 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/22/2008 2:14:11 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:29:21 PM
Barium	0.069	0.010		mg/L	1	9/29/2008 12:29:21 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:29:21 PM
Chromium	0.0072	0.0060		mg/L	1	9/29/2008 12:29:21 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 12:29:21 PM
Iron	2.5	0.50		mg/L	10	9/29/2008 1:45:25 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:29:21 PM
Manganese	0.13	0.0020		mg/L	1	9/29/2008 12:29:21 PM
Selenium	ND	0.050		mg/L	1	9/29/2008 12:29:21 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:29:21 PM
Zinc	0.19	0.020		mg/L	1	9/29/2008 12:29:21 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Toluene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Ethylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2,4-Trimethylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,3,5-Trimethylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Naphthalene	ND	40		µg/L	20	9/16/2008 4:34:12 PM
1-Methylnaphthalene	ND	80		µg/L	20	9/16/2008 4:34:12 PM
2-Methylnaphthalene	ND	80		µg/L	20	9/16/2008 4:34:12 PM
Acetone	2200	200		µg/L	20	9/16/2008 4:34:12 PM
Bromobenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Bromodichloromethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Bromoform	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Bromomethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
2-Butanone	ND	200		µg/L	20	9/16/2008 4:34:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0809190
Project: Quarterly OCD Samples 3rd Qtr 2008
Lab ID: 0809190-01

Client Sample ID: AL-2 to EP-1
Collection Date: 9/9/2008 11:00:00 AM
Date Received: 9/10/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Carbon disulfide	ND	200		µg/L	20	9/16/2008 4:34:12 PM
Carbon Tetrachloride	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Chlorobenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Chloroethane	ND	40		µg/L	20	9/16/2008 4:34:12 PM
Chloroform	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Chloromethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
2-Chlorotoluene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
4-Chlorotoluene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
cis-1,2-DCE	ND	20		µg/L	20	9/16/2008 4:34:12 PM
cis-1,3-Dichloropropene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	9/16/2008 4:34:12 PM
Dibromochloromethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Dibromomethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2-Dichlorobenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,3-Dichlorobenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,4-Dichlorobenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Dichlorodifluoromethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,1-Dichloroethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,1-Dichloroethene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2-Dichloropropane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,3-Dichloropropane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
2,2-Dichloropropane	ND	40		µg/L	20	9/16/2008 4:34:12 PM
1,1-Dichloropropene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Hexachlorobutadiene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
2-Hexanone	ND	200		µg/L	20	9/16/2008 4:34:12 PM
Isopropylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
4-Isopropyltoluene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
4-Methyl-2-pentanone	ND	200		µg/L	20	9/16/2008 4:34:12 PM
Methylene Chloride	ND	60		µg/L	20	9/16/2008 4:34:12 PM
n-Butylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
n-Propylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
sec-Butylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Styrene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
tert-Butylbenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	9/16/2008 4:34:12 PM
Tetrachloroethene (PCE)	ND	20		µg/L	20	9/16/2008 4:34:12 PM
trans-1,2-DCE	ND	20		µg/L	20	9/16/2008 4:34:12 PM
trans-1,3-Dichloropropene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,1,1-Trichloroethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2 to EP-1
Lab Order:	0809190	**Collection Date:**	9/9/2008 11:00:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,2-Trichloroethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Trichloroethene (TCE)	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Trichlorofluoromethane	ND	20		µg/L	20	9/16/2008 4:34:12 PM
1,2,3-Trichloropropane	ND	40		µg/L	20	9/16/2008 4:34:12 PM
Vinyl chloride	ND	20		µg/L	20	9/16/2008 4:34:12 PM
Xylenes, Total	ND	30		µg/L	20	9/16/2008 4:34:12 PM
Surr: 1,2-Dichloroethane-d4	95.1	68.1-123		%REC	20	9/16/2008 4:34:12 PM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	20	9/16/2008 4:34:12 PM
Surr: Dibromofluoromethane	95.0	68.5-119		%REC	20	9/16/2008 4:34:12 PM
Surr: Toluene-d8	101	64-131		%REC	20	9/16/2008 4:34:12 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	0809190	**Collection Date:**	9/9/2008 11:30:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	140	3.0		mg/L	1	9/16/2008
Motor Oil Range Organics (MRO)	42	15		mg/L	1	9/16/2008
Surr: DNOP	133	58-140		%REC	1	9/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	20		mg/L	400	9/20/2008 10:55:37 AM
Surr: BFB	97.5	59.9-122		%REC	400	9/20/2008 10:55:37 AM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Chloride	170	1.0		mg/L	10	9/29/2008 7:57:09 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/16/2008
2-Chlorophenol	ND	50		µg/L	1	9/16/2008
2,4-Dichlorophenol	ND	50		µg/L	1	9/16/2008
2,4-Dimethylphenol	200	50		µg/L	1	9/16/2008
4,6-Dinitro-2-methylphenol	ND	250		µg/L	1	9/16/2008
2,4-Dinitrophenol	ND	250		µg/L	1	9/16/2008
2-Methylphenol	450	75		µg/L	1	9/16/2008
3+4-Methylphenol	600	100		µg/L	1	9/16/2008
2-Nitrophenol	ND	75		µg/L	1	9/16/2008
4-Nitrophenol	ND	250		µg/L	1	9/16/2008
Pentachlorophenol	ND	250		µg/L	1	9/16/2008
Phenol	1300	100		µg/L	2	9/16/2008
Surr: 2,4,6-Tribromophenol	68.1	16.6-150		%REC	1	9/16/2008
Surr: 2-Fluorobiphenyl	84.0	19.6-134		%REC	1	9/16/2008
Surr: 2-Fluorophenol	62.0	9.54-113		%REC	1	9/16/2008
Surr: 4-Terphenyl-d14	74.7	22.7-145		%REC	1	9/16/2008
Surr: Nitrobenzene-d5	88.4	14.6-134		%REC	1	9/16/2008
Surr: Phenol-d5	48.6	10.7-80.3		%REC	1	9/16/2008
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Toluene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Ethylbenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2,4-Trimethylbenzene	40	10		µg/L	10	9/16/2008 5:06:34 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Naphthalene	67	20		µg/L	10	9/16/2008 5:06:34 PM
1-Methylnaphthalene	240	40		µg/L	10	9/16/2008 5:06:34 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0809190
Project: Quarterly OCD Samples 3rd Qtr 2008
Lab ID: 0809190-02

Client Sample ID: EP-1
Collection Date: 9/9/2008 11:30:00 AM
Date Received: 9/10/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
2-Methylnaphthalene	350	40		µg/L	10	9/16/2008 5:06:34 PM
Acetone	1700	100		µg/L	10	9/16/2008 5:06:34 PM
Bromobenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Bromodichloromethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Bromoform	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Bromomethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
2-Butanone	210	100		µg/L	10	9/16/2008 5:06:34 PM
Carbon disulfide	ND	100		µg/L	10	9/16/2008 5:06:34 PM
Carbon Tetrachloride	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Chlorobenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Chloroethane	ND	20		µg/L	10	9/16/2008 5:06:34 PM
Chloroform	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Chloromethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
2-Chlorotoluene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
4-Chlorotoluene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
cis-1,2-DCE	ND	10		µg/L	10	9/16/2008 5:06:34 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/16/2008 5:06:34 PM
Dibromochloromethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Dibromomethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Dichlorodifluoromethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,1-Dichloroethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,1-Dichloroethene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2-Dichloropropane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,3-Dichloropropane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
2,2-Dichloropropane	ND	20		µg/L	10	9/16/2008 5:06:34 PM
1,1-Dichloropropene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Hexachlorobutadiene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
2-Hexanone	ND	100		µg/L	10	9/16/2008 5:06:34 PM
Isopropylbenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
4-Isopropyltoluene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	9/16/2008 5:06:34 PM
Methylene Chloride	ND	30		µg/L	10	9/16/2008 5:06:34 PM
n-Butylbenzene	11	10		µg/L	10	9/16/2008 5:06:34 PM
n-Propylbenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
sec-Butylbenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Styrene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
tert-Butylbenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0809190
Project: Quarterly OCD Samples 3rd Qtr 2008
Lab ID: 0809190-02

Client Sample ID: EP-1
Collection Date: 9/9/2008 11:30:00 AM
Date Received: 9/10/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/16/2008 5:06:34 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/16/2008 5:06:34 PM
trans-1,2-DCE	ND	10		µg/L	10	9/16/2008 5:06:34 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Trichloroethene (TCE)	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Trichlorofluoromethane	ND	10		µg/L	10	9/16/2008 5:06:34 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	9/16/2008 5:06:34 PM
Vinyl chloride	ND	10		µg/L	10	9/16/2008 5:06:34 PM
Xylenes, Total	18	15		µg/L	10	9/16/2008 5:06:34 PM
Surr: 1,2-Dichloroethane-d4	106	68.1-123		%REC	10	9/16/2008 5:06:34 PM
Surr: 4-Bromofluorobenzene	108	53.2-145		%REC	10	9/16/2008 5:06:34 PM
Surr: Dibromofluoromethane	105	68.5-119		%REC	10	9/16/2008 5:06:34 PM
Surr: Toluene-d8	96.1	64-131		%REC	10	9/16/2008 5:06:34 PM
SM4500-H+B: PH						Analyst: **KMS**
pH	7.93	0.1		pH units	1	9/11/2008

Qualifiers:

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ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0809190	**Collection Date:**	9/9/2008 10:35:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	6.3	3.0		mg/L	1	9/16/2008
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	9/16/2008
Surr: DNOP	130	58-140		%REC	1	9/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	1.0		mg/L	20	9/20/2008 1:27:24 PM
Surr: BFB	85.0	59.9-122		%REC	20	9/20/2008 1:27:24 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/22/2008 2:15:58 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:33:14 PM
Barium	0.017	0.010		mg/L	1	9/29/2008 12:33:14 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:33:14 PM
Chromium	ND	0.0060		mg/L	1	9/29/2008 12:33:14 PM
Copper	0.021	0.0060		mg/L	1	9/29/2008 12:33:14 PM
Iron	0.49	0.050		mg/L	1	9/29/2008 12:33:14 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:33:14 PM
Manganese	0.085	0.0020		mg/L	1	9/29/2008 12:33:14 PM
Selenium	ND	0.050		mg/L	1	9/29/2008 12:33:14 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:33:14 PM
Zinc	0.057	0.020		mg/L	1	9/29/2008 12:33:14 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Toluene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Ethylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2,4-Trimethylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,3,5-Trimethylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Naphthalene	ND	10		µg/L	5	9/17/2008 10:39:49 AM
1-Methylnaphthalene	ND	20		µg/L	5	9/17/2008 10:39:49 AM
2-Methylnaphthalene	ND	20		µg/L	5	9/17/2008 10:39:49 AM
Acetone	300	50		µg/L	5	9/17/2008 10:39:49 AM
Bromobenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Bromodichloromethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Bromoform	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Bromomethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
2-Butanone	ND	50		µg/L	5	9/17/2008 10:39:49 AM

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0809190	**Collection Date:**	9/9/2008 10:35:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Carbon disulfide	ND	50		µg/L	5	9/17/2008 10:39:49 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Chlorobenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Chloroethane	ND	10		µg/L	5	9/17/2008 10:39:49 AM
Chloroform	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Chloromethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
2-Chlorotoluene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
4-Chlorotoluene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
cis-1,2-DCE	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	9/17/2008 10:39:49 AM
Dibromochloromethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Dibromomethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
2,2-Dichloropropane	ND	10		µg/L	5	9/17/2008 10:39:49 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
2-Hexanone	ND	50		µg/L	5	9/17/2008 10:39:49 AM
Isopropylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
4-Isopropyltoluene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	9/17/2008 10:39:49 AM
Methylene Chloride	ND	15		µg/L	5	9/17/2008 10:39:49 AM
n-Butylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
n-Propylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
sec-Butylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Styrene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
tert-Butylbenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	9/17/2008 10:39:49 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
trans-1,2-DCE	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM

Qualifiers:

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J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0809190	**Collection Date:**	9/9/2008 10:35:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,2-Trichloroethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	9/17/2008 10:39:49 AM
Vinyl chloride	ND	5.0		µg/L	5	9/17/2008 10:39:49 AM
Xylenes, Total	ND	7.5		µg/L	5	9/17/2008 10:39:49 AM
Surr: 1,2-Dichloroethane-d4	94.2	68.1-123		%REC	5	9/17/2008 10:39:49 AM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	5	9/17/2008 10:39:49 AM
Surr: Dibromofluoromethane	97.0	68.5-119		%REC	5	9/17/2008 10:39:49 AM
Surr: Toluene-d8	93.8	64-131		%REC	5	9/17/2008 10:39:49 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0809190	**Collection Date:**	9/9/2008 10:15:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	35	3.0		mg/L	1	9/16/2008
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	9/16/2008
Surr: DNOP	129	58-140		%REC	1	9/16/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	10		mg/L	200	9/20/2008 1:57:38 PM
Surr: BFB	85.1	59.9-122		%REC	200	9/20/2008 1:57:38 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	11	1.0		mg/L	10	9/29/2008 9:06:47 PM
Chloride	78	1.0		mg/L	10	9/29/2008 9:06:47 PM
Nitrate (As N)+Nitrite (As N)	1.8	1.0		mg/L	5	9/30/2008 8:58:57 PM
Phosphorus, Orthophosphate (As P)	14	5.0		mg/L	10	9/30/2008 2:53:21 PM
Sulfate	440	5.0		mg/L	10	9/29/2008 9:06:47 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/22/2008 2:17:45 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:36:25 PM
Barium	0.062	0.010		mg/L	1	9/29/2008 12:36:25 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:36:25 PM
Calcium	42	0.50		mg/L	1	9/29/2008 12:36:25 PM
Chromium	ND	0.0060		mg/L	1	9/29/2008 12:36:25 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 12:36:25 PM
Iron	0.073	0.050		mg/L	1	9/29/2008 12:36:25 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:36:25 PM
Magnesium	9.0	0.50		mg/L	1	9/29/2008 12:36:25 PM
Manganese	0.057	0.0020		mg/L	1	9/29/2008 12:36:25 PM
Potassium	7.7	1.0		mg/L	1	9/29/2008 12:36:25 PM
Selenium	0.052	0.050		mg/L	1	9/29/2008 12:36:25 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:36:25 PM
Sodium	200	5.0		mg/L	10	9/29/2008 1:48:15 PM
Zinc	ND	0.020		mg/L	1	9/29/2008 12:36:25 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	50		µg/L	1	9/16/2008
Acenaphthylene	ND	50		µg/L	1	9/16/2008
Aniline	2100	500		µg/L	10	9/16/2008
Anthracene	ND	50		µg/L	1	9/16/2008
Azobenzene	ND	50		µg/L	1	9/16/2008
Benz(a)anthracene	ND	50		µg/L	1	9/16/2008

Qualifiers:

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E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0809190	**Collection Date:**	9/9/2008 10:15:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Benzo(a)pyrene	ND	50		µg/L	1	9/16/2008
Benzo(b)fluoranthene	ND	50		µg/L	1	9/16/2008
Benzo(g,h,i)perylene	ND	50		µg/L	1	9/16/2008
Benzo(k)fluoranthene	ND	50		µg/L	1	9/16/2008
Benzoic acid	ND	100		µg/L	1	9/16/2008
Benzyl alcohol	ND	50		µg/L	1	9/16/2008
Bis(2-chloroethoxy)methane	ND	50		µg/L	1	9/16/2008
Bis(2-chloroethyl)ether	ND	50		µg/L	1	9/16/2008
Bis(2-chloroisopropyl)ether	ND	50		µg/L	1	9/16/2008
Bis(2-ethylhexyl)phthalate	ND	50		µg/L	1	9/16/2008
4-Bromophenyl phenyl ether	ND	50		µg/L	1	9/16/2008
Butyl benzyl phthalate	ND	50		µg/L	1	9/16/2008
Carbazole	ND	50		µg/L	1	9/16/2008
4-Chloro-3-methylphenol	ND	50		µg/L	1	9/16/2008
4-Chloroaniline	ND	50		µg/L	1	9/16/2008
2-Chloronaphthalene	ND	50		µg/L	1	9/16/2008
2-Chlorophenol	ND	50		µg/L	1	9/16/2008
4-Chlorophenyl phenyl ether	ND	50		µg/L	1	9/16/2008
Chrysene	ND	50		µg/L	1	9/16/2008
Di-n-butyl phthalate	ND	50		µg/L	1	9/16/2008
Di-n-octyl phthalate	ND	50		µg/L	1	9/16/2008
Dibenz(a,h)anthracene	ND	50		µg/L	1	9/16/2008
Dibenzofuran	ND	50		µg/L	1	9/16/2008
1,2-Dichlorobenzene	ND	50		µg/L	1	9/16/2008
1,3-Dichlorobenzene	ND	50		µg/L	1	9/16/2008
1,4-Dichlorobenzene	ND	50		µg/L	1	9/16/2008
3,3'-Dichlorobenzidine	ND	50		µg/L	1	9/16/2008
Diethyl phthalate	ND	50		µg/L	1	9/16/2008
Dimethyl phthalate	ND	50		µg/L	1	9/16/2008
2,4-Dichlorophenol	ND	100		µg/L	1	9/16/2008
2,4-Dimethylphenol	490	50		µg/L	1	9/16/2008
4,6-Dinitro-2-methylphenol	ND	100		µg/L	1	9/16/2008
2,4-Dinitrophenol	ND	100		µg/L	1	9/16/2008
2,4-Dinitrotoluene	ND	50		µg/L	1	9/16/2008
2,6-Dinitrotoluene	ND	50		µg/L	1	9/16/2008
Fluoranthene	ND	50		µg/L	1	9/16/2008
Fluorene	ND	50		µg/L	1	9/16/2008
Hexachlorobenzene	ND	50		µg/L	1	9/16/2008
Hexachlorobutadiene	ND	50		µg/L	1	9/16/2008
Hexachlorocyclopentadiene	ND	50		µg/L	1	9/16/2008
Hexachloroethane	ND	50		µg/L	1	9/16/2008
Indeno(1,2,3-cd)pyrene	ND	50		µg/L	1	9/16/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0809190	**Collection Date:**	9/9/2008 10:15:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Isophorone	ND	50		µg/L	1	9/16/2008
2-Methylnaphthalene	63	50		µg/L	1	9/16/2008
2-Methylphenol	7400	500		µg/L	10	9/16/2008
3+4-Methylphenol	13000	2500		µg/L	50	9/16/2008
N-Nitrosodi-n-propylamine	ND	50		µg/L	1	9/16/2008
N-Nitrosodimethylamine	ND	50		µg/L	1	9/16/2008
N-Nitrosodiphenylamine	ND	50		µg/L	1	9/16/2008
Naphthalene	76	50		µg/L	1	9/16/2008
2-Nitroaniline	ND	50		µg/L	1	9/16/2008
3-Nitroaniline	ND	50		µg/L	1	9/16/2008
4-Nitroaniline	ND	50		µg/L	1	9/16/2008
Nitrobenzene	ND	50		µg/L	1	9/16/2008
2-Nitrophenol	ND	50		µg/L	1	9/16/2008
4-Nitrophenol	ND	50		µg/L	1	9/16/2008
Pentachlorophenol	ND	100		µg/L	1	9/16/2008
Phenanthrene	ND	50		µg/L	1	9/16/2008
Phenol	25000	2500		µg/L	50	9/16/2008
Pyrene	ND	50		µg/L	1	9/16/2008
Pyridine	ND	50		µg/L	1	9/16/2008
1,2,4-Trichlorobenzene	ND	50		µg/L	1	9/16/2008
2,4,5-Trichlorophenol	ND	50		µg/L	1	9/16/2008
2,4,6-Trichlorophenol	ND	50		µg/L	1	9/16/2008
Surr: 2,4,6-Tribromophenol	76.2	16.6-150		%REC	1	9/16/2008
Surr: 2-Fluorobiphenyl	62.5	19.6-134		%REC	1	9/16/2008
Surr: 2-Fluorophenol	60.4	9.54-113		%REC	1	9/16/2008
Surr: 4-Terphenyl-d14	73.7	22.7-145		%REC	1	9/16/2008
Surr: Nitrobenzene-d5	76.1	14.6-134		%REC	1	9/16/2008
Surr: Phenol-d5	2.31	10.7-80.3	S	%REC	1	9/16/2008
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	360	20		µg/L	20	9/16/2008 7:15:33 PM
Toluene	390	20		µg/L	20	9/16/2008 7:15:33 PM
Ethylbenzene	28	20		µg/L	20	9/16/2008 7:15:33 PM
Methyl tert-butyl ether (MTBE)	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2,4-Trimethylbenzene	53	20		µg/L	20	9/16/2008 7:15:33 PM
1,3,5-Trimethylbenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2-Dichloroethane (EDC)	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2-Dibromoethane (EDB)	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Naphthalene	87	40		µg/L	20	9/16/2008 7:15:33 PM
1-Methylnaphthalene	ND	80		µg/L	20	9/16/2008 7:15:33 PM
2-Methylnaphthalene	ND	80		µg/L	20	9/16/2008 7:15:33 PM
Acetone	17000	1000		µg/L	100	9/16/2008 6:43:25 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0809190
Project: Quarterly OCD Samples 3rd Qtr 2008
Lab ID: 0809190-04

Client Sample ID: NAPIS Effluent
Collection Date: 9/9/2008 10:15:00 AM
Date Received: 9/10/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Bromobenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Bromodichloromethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Bromoform	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Bromomethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
2-Butanone	1900	200		µg/L	20	9/16/2008 7:15:33 PM
Carbon disulfide	ND	200		µg/L	20	9/16/2008 7:15:33 PM
Carbon Tetrachloride	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Chlorobenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Chloroethane	ND	40		µg/L	20	9/16/2008 7:15:33 PM
Chloroform	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Chloromethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
2-Chlorotoluene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
4-Chlorotoluene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
cis-1,2-DCE	ND	20		µg/L	20	9/16/2008 7:15:33 PM
cis-1,3-Dichloropropene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2-Dibromo-3-chloropropane	ND	40		µg/L	20	9/16/2008 7:15:33 PM
Dibromochloromethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Dibromomethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2-Dichlorobenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,3-Dichlorobenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,4-Dichlorobenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Dichlorodifluoromethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,1-Dichloroethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,1-Dichloroethene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2-Dichloropropane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,3-Dichloropropane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
2,2-Dichloropropane	ND	40		µg/L	20	9/16/2008 7:15:33 PM
1,1-Dichloropropene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Hexachlorobutadiene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
2-Hexanone	ND	200		µg/L	20	9/16/2008 7:15:33 PM
Isopropylbenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
4-Isopropyltoluene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
4-Methyl-2-pentanone	ND	200		µg/L	20	9/16/2008 7:15:33 PM
Methylene Chloride	ND	60		µg/L	20	9/16/2008 7:15:33 PM
n-Butylbenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
n-Propylbenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
sec-Butylbenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Styrene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
tert-Butylbenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,1,1,2-Tetrachloroethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,1,2,2-Tetrachloroethane	ND	40		µg/L	20	9/16/2008 7:15:33 PM
Tetrachloroethene (PCE)	ND	20		µg/L	20	9/16/2008 7:15:33 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS Effluent
Lab Order:	0809190	**Collection Date:**	9/9/2008 10:15:00 AM
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
trans-1,2-DCE	ND	20		µg/L	20	9/16/2008 7:15:33 PM
trans-1,3-Dichloropropene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2,3-Trichlorobenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2,4-Trichlorobenzene	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,1,1-Trichloroethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,1,2-Trichloroethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Trichloroethene (TCE)	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Trichlorofluoromethane	ND	20		µg/L	20	9/16/2008 7:15:33 PM
1,2,3-Trichloropropane	ND	40		µg/L	20	9/16/2008 7:15:33 PM
Vinyl chloride	ND	20		µg/L	20	9/16/2008 7:15:33 PM
Xylenes, Total	200	30		µg/L	20	9/16/2008 7:15:33 PM
Surr: 1,2-Dichloroethane-d4	93.0	68.1-123		%REC	20	9/16/2008 7:15:33 PM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	20	9/16/2008 7:15:33 PM
Surr: Dibromofluoromethane	94.1	68.5-119		%REC	20	9/16/2008 7:15:33 PM
Surr: Toluene-d8	102	64-131		%REC	20	9/16/2008 7:15:33 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	3300	0.010		µmhos/cm	1	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	9.44	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0809190
Project: Quarterly OCD Samples 3rd Qtr 2008
Lab ID: 0809190-05

Client Sample ID: Trip Blank
Collection Date:
Date Received: 9/10/2008
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Toluene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Ethylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Naphthalene	ND	2.0		µg/L	1	9/16/2008 8:14:54 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/16/2008 8:14:54 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/16/2008 8:14:54 PM
Acetone	ND	10		µg/L	1	9/16/2008 8:14:54 PM
Bromobenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Bromoform	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Bromomethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
2-Butanone	ND	10		µg/L	1	9/16/2008 8:14:54 PM
Carbon disulfide	ND	10		µg/L	1	9/16/2008 8:14:54 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Chlorobenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Chloroethane	ND	2.0		µg/L	1	9/16/2008 8:14:54 PM
Chloroform	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Chloromethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/16/2008 8:14:54 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Dibromomethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/16/2008 8:14:54 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
2-Hexanone	ND	10		µg/L	1	9/16/2008 8:14:54 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *13-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0809190	**Collection Date:**	
Project:	Quarterly OCD Samples 3rd Qtr 2008	**Date Received:**	9/10/2008
Lab ID:	0809190-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/16/2008 8:14:54 PM
Methylene Chloride	ND	3.0		µg/L	1	9/16/2008 8:14:54 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Styrene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/16/2008 8:14:54 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/16/2008 8:14:54 PM
Vinyl chloride	ND	1.0		µg/L	1	9/16/2008 8:14:54 PM
Xylenes, Total	ND	1.5		µg/L	1	9/16/2008 8:14:54 PM
Surr: 1,2-Dichloroethane-d4	94.8	68.1-123		%REC	1	9/16/2008 8:14:54 PM
Surr: 4-Bromofluorobenzene	96.1	53.2-145		%REC	1	9/16/2008 8:14:54 PM
Surr: Dibromofluoromethane	103	68.5-119		%REC	1	9/16/2008 8:14:54 PM
Surr: Toluene-d8	95.7	64-131		%REC	1	9/16/2008 8:14:54 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
P.O. Box 90430 • Albuquerque, New Mexico 87199 • (800) 447-0327

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809190**
Order: **08090286** **HAL03** Receipt: **09-11-08**

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0809190-02D EP-1*** Collected: *09-09-08 11:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090286-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08036	WC.2008.2367.11	C-004	Chemical Oxygen Demand	1360	mg/L	1	10		09-23-08	09-24-08

Sample: ***0809190-02E EP-1*** Collected: *09-09-08 11:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090286-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	SRM		
BOD08103	WC.2008.2324.14	10-26-4	Biochemical Oxygen Demand	262	mg/L	1	2		09-11-08	09-16-08

Sample: ***0809190-03E PILOT EFFLUENT*** Collected: *09-09-08 10:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090286-003A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08036	WC.2008.2367.12	C-004	Chemical Oxygen Demand	795	mg/L	1	10		09-23-08	09-24-08

REPRODUCTION OF THIS REPORT IN LESS THAN FULL REQUIRES THE WRITTEN CONSENT OF AAL.
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Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809190**
Order: **08090286** **HAL03** Receipt: **09-11-08**

Sample: ***0809190-03F PILOT EFFLUENT*** Collected: *09-09-08 10:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090286-004A		**EPA 405.1 Biochemical Oxygen Demand**						By: SRM		
BOD08103	WC.2008.2324.15	10-26-4	Biochemical Oxygen Demand	375	mg/L	1	2		09-11-08	09-16-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Anatek Labs, Inc.

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080914014
Project Name: 0809190

Analytical Results Report

Sample Number	080914014-001	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008 10:45 AM
Client Sample ID	0809190-01D / AL-2 TO EP-1	**Sampling Time**	11:00 AM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809190
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914014-002	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008	10:45 AM
Client Sample ID	0809190-03D / PILOT EFFLUENT	**Sampling Time**	10:35 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914014
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809190
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914014-003	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008	10:45 AM
Client Sample ID	0809190-04D / NAPIS EFFLUENT	**Sampling Time**	10:15 AM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Authorized Signature

MCL	EPA's Maximum Contaminant Level
ND	Not Detected
PQL	Practical Quantitation Limit

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080914014
Project Name: 0809190

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Uranium	0.0469	mg/L	0.05	93.8	85-115	9/18/2008	9/24/2008

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
080912022-001A	Uranium	0.00238	0.0524	mg/L	0.05	100.0	75-125	9/18/2008	9/24/2008

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Uranium	0.0535	mg/L	0.05	102.2	2.1	0-20	9/18/2008	9/24/2008

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Uranium	ND	mg/L	0.001	9/18/2008	9/24/2008

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008
Work Order: 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R30447**	Analysis Date:	9/29/2008 10:40:06 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R30470**	Analysis Date:	9/30/2008 9:57:24 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R30447**	Analysis Date:	9/29/2008 10:57:31 AM	
Fluoride	0.5073	mg/L	0.10	101	90	110			
Chloride	4.953	mg/L	0.10	99.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.480	mg/L	0.20	99.4	90	110			
Phosphorus, Orthophosphate (As P)	4.940	mg/L	0.50	98.8	90	110			
Sulfate	10.15	mg/L	0.50	101	90	110			
le ID: LCS		*LCS*			Batch ID:	**R30470**	Analysis Date:	9/30/2008 10:14:48 AM	
Fluoride	0.5027	mg/L	0.10	101	90	110			
Chloride	4.858	mg/L	0.10	97.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.421	mg/L	0.20	97.7	90	110			
Phosphorus, Orthophosphate (As P)	4.887	mg/L	0.50	97.7	90	110			
Sulfate	10.01	mg/L	0.50	100	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-17076		*MBLK*			Batch ID:	**17076**	Analysis Date:	9/16/2008	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-17076		*LCS*			Batch ID:	**17076**	Analysis Date:	9/16/2008	
Diesel Range Organics (DRO)	5.731	mg/L	1.0	115	74	157			
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCSD-17076		*LCSD*			Batch ID:	**17076**	Analysis Date:	9/16/2008	
Diesel Range Organics (DRO)	5.941	mg/L	1.0	119	74	157			
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R30302**	Analysis Date:	9/19/2008 2:09:32 PM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: LCS-GRO 2.5UG		*LCS*			Batch ID:	**R30302**	Analysis Date:	9/20/2008 6:00:23 PM	
Gasoline Range Organics (GRO)	0.4178	mg/L	0.050	83.6	80	115			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17078		*MBLK*			Batch ID:	**17078**	Analysis Date:		9/16/2008
Acenaphthene	ND	µg/L	10						
Acenaphthylene	ND	µg/L	10						
Aniline	ND	µg/L	10						
Anthracene	ND	µg/L	10						
Azobenzene	ND	µg/L	10						
Benz(a)anthracene	ND	µg/L	10						
Benzo(a)pyrene	ND	µg/L	10						
Benzo(b)fluoranthene	ND	µg/L	10						
Benzo(g,h,i)perylene	ND	µg/L	10						
Benzo(k)fluoranthene	ND	µg/L	10						
Benzoic acid	ND	µg/L	20						
Benzyl alcohol	ND	µg/L	10						
Bis(2-chloroethoxy)methane	ND	µg/L	10						
Bis(2-chloroethyl)ether	ND	µg/L	10						
Bis(2-chloroisopropyl)ether	ND	µg/L	10						
Bis(2-ethylhexyl)phthalate	ND	µg/L	10						
4-Bromophenyl phenyl ether	ND	µg/L	10						
benzyl phthalate	ND	µg/L	10						
azole	ND	µg/L	10						
4-Chloro-3-methylphenol	ND	µg/L	10						
4-Chloroaniline	ND	µg/L	10						
2-Chloronaphthalene	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
4-Chlorophenyl phenyl ether	ND	µg/L	10						
Chrysene	ND	µg/L	10						
Di-n-butyl phthalate	ND	µg/L	10						
Di-n-octyl phthalate	ND	µg/L	10						
Dibenz(a,h)anthracene	ND	µg/L	10						
Dibenzofuran	ND	µg/L	10						
1,2-Dichlorobenzene	ND	µg/L	5.0						
1,3-Dichlorobenzene	ND	µg/L	10						
1,4-Dichlorobenzene	ND	µg/L	5.0						
3,3'-Dichlorobenzidine	ND	µg/L	10						
Diethyl phthalate	ND	µg/L	10						
Dimethyl phthalate	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	5.0						
2,4-Dinitrotoluene	ND	µg/L	5.0						
2,6-Dinitrotoluene	ND	µg/L	10						
Fluoranthene	ND	µg/L	10						
Fluorene	ND	µg/L	10						
hlorobenzene	ND	µg/L	5.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17078		*MBLK*			Batch ID:	**17078**	Analysis Date:		9/16/2008
Hexachlorobutadiene	ND	µg/L	10						
Hexachlorocyclopentadiene	ND	µg/L	10						
Hexachloroethane	ND	µg/L	5.0						
Indeno(1,2,3-cd)pyrene	ND	µg/L	10						
Isophorone	ND	µg/L	10						
2-Methylnaphthalene	ND	µg/L	10						
2-Methylphenol	ND	µg/L	5.0						
3+4-Methylphenol	ND	µg/L	5.0						
N-Nitrosodi-n-propylamine	ND	µg/L	10						
N-Nitrosodimethylamine	ND	µg/L	10						
N-Nitrosodiphenylamine	ND	µg/L	10						
Naphthalene	ND	µg/L	10						
2-Nitroaniline	ND	µg/L	10						
3-Nitroaniline	ND	µg/L	10						
4-Nitroaniline	ND	µg/L	10						
Nitrobenzene	ND	µg/L	5.0						
2-Nitrophenol	ND	µg/L	10						
[illegible]rophenol	ND	µg/L	10						
[illegible]achlorophenol	ND	µg/L	5.0						
Phenanthrene	ND	µg/L	10						
Phenol	ND	µg/L	10						
Pyrene	ND	µg/L	10						
Pyridine	ND	µg/L	5.0						
1,2,4-Trichlorobenzene	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17078		*LCS*			Batch ID:	**17078**	Analysis Date:		9/16/2008
Acenaphthene	84.08	µg/L	10	84.1	11	123			
4-Chloro-3-methylphenol	87.84	µg/L	10	87.8	15.4	119			
2-Chlorophenol	75.60	µg/L	10	75.6	12.2	122			
1,4-Dichlorobenzene	73.66	µg/L	10	73.7	16.9	100			
2,4-Dinitrotoluene	88.68	µg/L	10	88.7	13	138			
N-Nitrosodi-n-propylamine	96.04	µg/L	10	96.0	9.93	122			
4-Nitrophenol	51.10	µg/L	10	51.1	12.5	87.4			
Pentachlorophenol	66.98	µg/L	20	67.0	3.55	114			
Phenol	57.80	µg/L	10	57.8	7.53	73.1			
Pyrene	83.04	µg/L	10	83.0	12.6	140			
1,2,4-Trichlorobenzene	73.34	µg/L	10	73.3	17.4	98.7			
Method: EPA Method 7470: Mercury									
Sample ID: MB-17121		*MBLK*			Batch ID:	**17121**	Analysis Date:		9/22/2008 2:05:26 PM
Mercury	ND	mg/L	0.00020						
[illegible]mple ID: LCS-17121		*LCS*			Batch ID:	**17121**	Analysis Date:		9/22/2008 2:07:11 PM
[illegible]ury	0.004898	mg/L	0.00020	98.0	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-17120		*MBLK*			Batch ID:	**17120**	Analysis Date:	9/29/2008 12:08:34 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Copper	ND	mg/L	0.0060						
Iron	ND	mg/L	0.050						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Zinc	ND	mg/L	0.020						
Sample ID: LCS-17120		*LCS*			Batch ID:	**17120**	Analysis Date:	9/29/2008 12:11:30 PM	
Arsenic	0.4620	mg/L	0.020	92.4	80	120			
Barium	0.4635	mg/L	0.010	92.7	80	120			
Cadmium	0.4677	mg/L	0.0020	93.5	80	120			
Calcium	46.49	mg/L	0.50	93.0	80	120			
Chromium	0.4618	mg/L	0.0060	92.4	80	120			
Copper	0.4809	mg/L	0.0060	96.2	80	120			
Iron	0.4789	mg/L	0.050	95.8	80	120			
Lead	0.4504	mg/L	0.0050	90.1	80	120			
Magnesium	47.34	mg/L	0.50	94.7	80	120			
Manganese	0.4629	mg/L	0.0020	92.6	80	120			
Potassium	50.29	mg/L	1.0	101	80	120			
Selenium	0.4557	mg/L	0.050	91.1	80	120			
Silver	0.4789	mg/L	0.0050	95.8	80	120			
Sodium	49.85	mg/L	0.50	99.7	80	120			
Zinc	0.4494	mg/L	0.020	89.9	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R30200**		Analysis Date:	9/11/2008 8:30:13 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
n disulfide	ND	µg/L	10						
n Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
opyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 8:30:13 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
'orofluoromethane	ND	µg/L	1.0						
,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 9:49:48 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
form	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 9:49:48 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
[illegible]chloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
le ID: 5ml rb		*MBLK*			Batch ID:	**R30268**	Analysis Date:	9/17/2008 8:39:10 AM	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30268**	Analysis Date:	9/17/2008 8:39:10 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
on disulfide	ND	µg/L	10						
oon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
opropylbenzene	ND	µg/L	1.0						
ropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30268**	Analysis Date:	9/17/2008 8:39:10 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 10:45:01 AM	
Benzene	21.66	µg/L	1.0	108	88	116			
Toluene	19.73	µg/L	1.0	98.6	82.9	112			
Chlorobenzene	19.16	µg/L	1.0	95.8	71.4	133			
1,1-Dichloroethene	25.23	µg/L	1.0	126	97.9	140			
Trichloroethene (TCE)	19.18	µg/L	1.0	95.9	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 10:49:16 AM	
Benzene	20.57	µg/L	1.0	103	88	116			
Toluene	20.91	µg/L	1.0	105	82.9	112			
Chlorobenzene	19.91	µg/L	1.0	99.5	71.4	133			
1,1-Dichloroethene	22.94	µg/L	1.0	115	97.9	140			
Trichloroethene (TCE)	20.13	µg/L	1.0	101	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R30268**	Analysis Date:	9/17/2008 9:38:47 AM	
Benzene	20.14	µg/L	1.0	101	88	116			
Toluene	20.58	µg/L	1.0	103	82.9	112			
Chlorobenzene	19.93	µg/L	1.0	99.7	71.4	133			
1,1-Dichloroethene	22.13	µg/L	1.0	111	97.9	140			
Trichloroethene (TCE)	20.65	µg/L	1.0	103	90.5	112			
Sample ID: 100ng lcsd		*LCSD*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 9:09:08 PM	
Benzene	19.82	µg/L	1.0	99.1	88	116	8.84	11	
Toluene	19.19	µg/L	1.0	95.9	82.9	112	2.76	12.2	
Chlorobenzene	19.25	µg/L	1.0	96.3	71.4	133	0.456	12	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr 2008 **Work Order:** 0809190

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcsd		*LCSD*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 9:09:08 PM	
1,1-Dichloroethene	23.11	µg/L	1.0	116	97.9	140	8.78	19.3	
Trichloroethene (TCE)	18.69	µg/L	1.0	93.5	90.5	112	2.59	15.5	
Sample ID: 100ng lcsd		*LCSD*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 11:11:52 PM	
Benzene	20.44	µg/L	1.0	102	88	116	0.628	11	
Toluene	20.05	µg/L	1.0	100	82.9	112	4.21	12.2	
Chlorobenzene	20.41	µg/L	1.0	102	71.4	133	2.52	12	
1,1-Dichloroethene	22.05	µg/L	1.0	110	97.9	140	3.95	19.3	
Trichloroethene (TCE)	20.62	µg/L	1.0	103	90.5	112	2.42	15.5	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

all Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU | Date Received: 9/10/2008

Work Order Number 0809190 | Received by: AT

Checklist completed by: Signature 9/10/08 Date | Sample ID labels checked by: AT Initials

Matrix: | Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
Samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Cha of-Custody Record

Client: Western Refining Company - Ciniza
Address: I-40 Exit 39
Jamestown, NM 87347
Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: Quarterly OCD Samples 3rd Qtr. 2008
Project #:

Project Manager: Gaurav Rajen

Sampler: Steve Morris
On Ice: ☒ Yes ☐ No
Sample Temperature: 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0809190	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	~~EDC (Method 8260)~~ pH	8310 (PNA or PAH)	Anions (F, Cl, NO3, NO2, PO4, SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	WQCC Total Metals	BOD - COD	Phenols by 8270	Gen Chem	Air Bubbles (Y or N)
9-9-08	1100	AL-2 to EP-1			-1			X							X		X				
9-9-08	1130	EP-1			-2			X			X		X		X			X	X		
9-9-08	1035	Pilot Effluent			-3			X							X		X	X			
9-9-08	1015	NAPIS Effluent			-4			X							X	X	X			X	
		Trip Blank			-5										X						

Date:	Time:	Relinquished by:	Received by:	Date:	Time:	Relinquished by:	Received by:
9-10-08	1045	Steve Morris	Lana Archie 9/10/08 1045				

Remarks: gen chem - anions, cations pH, ec KT 9/11/08

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Wednesday, October 15, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Quarterly OCD Samples 3rd Qtr. 2008

Order No.: 0809188

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 9 sample(s) on 9/10/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #1
Lab Order:	0809188	**Collection Date:**	9/9/2008 12:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	99	5.0		mg/L	50	9/11/2008 11:12:53 AM
Chloride	150	1.0		mg/L	10	9/11/2008 10:55:29 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	9/11/2008 10:55:29 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/11/2008 10:55:29 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 10:55:29 AM
Sulfate	770	5.0		mg/L	10	9/11/2008 10:55:29 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:02:33 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:39:27 PM
Barium	0.076	0.010		mg/L	1	9/29/2008 12:39:27 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:39:27 PM
Calcium	45	0.50		mg/L	1	9/29/2008 12:39:27 PM
Chromium	ND	0.0060		mg/L	1	9/29/2008 12:39:27 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 12:39:27 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:39:27 PM
Magnesium	14	0.50		mg/L	1	9/29/2008 12:39:27 PM
Manganese	0.22	0.0020		mg/L	1	9/29/2008 12:39:27 PM
Potassium	62	1.0		mg/L	1	9/29/2008 12:39:27 PM
Selenium	ND	0.050		mg/L	1	9/29/2008 12:39:27 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:39:27 PM
Sodium	460	5.0		mg/L	10	10/14/2008 9:47:50 AM
Zinc	0.12	0.020		mg/L	1	9/29/2008 12:39:27 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	3.3	1.0		µg/L	1	9/11/2008 4:39:08 PM
Toluene	5.8	1.0		µg/L	1	9/11/2008 4:39:08 PM
Ethylbenzene	2.6	1.0		µg/L	1	9/11/2008 4:39:08 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2,4-Trimethylbenzene	27	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,3,5-Trimethylbenzene	9.5	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Naphthalene	33	2.0		µg/L	1	9/11/2008 4:39:08 PM
1-Methylnaphthalene	62	4.0		µg/L	1	9/11/2008 4:39:08 PM
2-Methylnaphthalene	88	4.0		µg/L	1	9/11/2008 4:39:08 PM
Acetone	1600	100		µg/L	10	9/11/2008 4:09:33 PM
Bromobenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Bromoform	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #1
Lab Order:	0809188	**Collection Date:**	9/9/2008 12:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromomethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
2-Butanone	150	10		µg/L	1	9/11/2008 4:39:08 PM
Carbon disulfide	39	10		µg/L	1	9/11/2008 4:39:08 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Chlorobenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Chloroethane	ND	2.0		µg/L	1	9/11/2008 4:39:08 PM
Chloroform	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Chloromethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/11/2008 4:39:08 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Dibromomethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/11/2008 4:39:08 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
2-Hexanone	ND	10		µg/L	1	9/11/2008 4:39:08 PM
Isopropylbenzene	1.1	1.0		µg/L	1	9/11/2008 4:39:08 PM
4-Isopropyltoluene	2.0	1.0		µg/L	1	9/11/2008 4:39:08 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/11/2008 4:39:08 PM
Methylene Chloride	ND	3.0		µg/L	1	9/11/2008 4:39:08 PM
n-Butylbenzene	8.7	1.0		µg/L	1	9/11/2008 4:39:08 PM
n-Propylbenzene	2.9	1.0		µg/L	1	9/11/2008 4:39:08 PM
sec-Butylbenzene	2.4	1.0		µg/L	1	9/11/2008 4:39:08 PM
Styrene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/11/2008 4:39:08 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #1
Lab Order:	0809188	**Collection Date:**	9/9/2008 12:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/11/2008 4:39:08 PM
Vinyl chloride	ND	1.0		µg/L	1	9/11/2008 4:39:08 PM
Xylenes, Total	20	1.5		µg/L	1	9/11/2008 4:39:08 PM
Surr: 1,2-Dichloroethane-d4	90.5	68.1-123		%REC	1	9/11/2008 4:39:08 PM
Surr: 4-Bromofluorobenzene	123	53.2-145		%REC	1	9/11/2008 4:39:08 PM
Surr: Dibromofluoromethane	89.3	68.5-119		%REC	1	9/11/2008 4:39:08 PM
Surr: Toluene-d8	87.3	64-131		%REC	1	9/11/2008 4:39:08 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	4500	0.010		µmhos/cm	1	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.82	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #2
Lab Order:	0809188	**Collection Date:**	9/9/2008 12:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	48	5.0		mg/L	50	9/11/2008 11:47:42 AM
Chloride	2800	10		mg/L	100	9/29/2008 7:51:28 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	9/11/2008 11:30:17 AM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/11/2008 11:30:17 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 11:30:17 AM
Sulfate	960	25		mg/L	50	9/11/2008 11:47:42 AM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:08:00 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:50:38 PM
Barium	0.10	0.010		mg/L	1	9/29/2008 12:50:38 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:50:38 PM
Calcium	340	5.0		mg/L	10	10/14/2008 9:50:08 AM
Chromium	ND	0.0060		mg/L	1	9/29/2008 12:50:38 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 12:50:38 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:50:38 PM
Magnesium	84	5.0		mg/L	10	10/14/2008 9:50:08 AM
Manganese	0.21	0.0020		mg/L	1	9/29/2008 12:50:38 PM
Potassium	52	10		mg/L	10	10/14/2008 9:50:08 AM
Selenium	ND	0.25		mg/L	5	10/15/2008 12:49:01 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:50:38 PM
Sodium	1900	50		mg/L	100	10/14/2008 9:29:21 AM
Zinc	0.086	0.020		mg/L	1	9/29/2008 12:50:38 PM
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
Benzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Toluene	1.1	1.0		µg/L	1	9/11/2008 6:10:55 PM
Ethylbenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2,4-Trimethylbenzene	6.4	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,3,5-Trimethylbenzene	2.1	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Naphthalene	6.4	2.0		µg/L	1	9/11/2008 6:10:55 PM
1-Methylnaphthalene	16	4.0		µg/L	1	9/11/2008 6:10:55 PM
2-Methylnaphthalene	23	4.0		µg/L	1	9/11/2008 6:10:55 PM
Acetone	360	100		µg/L	10	9/11/2008 5:41:06 PM
Bromobenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Bromoform	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0809188
Project: Quarterly OCD Samples 3rd Qtr. 2008
Lab ID: 0809188-02

Client Sample ID: Evap Pond #2
Collection Date: 9/9/2008 12:30:00 PM
Date Received: 9/10/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: BDH
Bromomethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
2-Butanone	35	10		µg/L	1	9/11/2008 6:10:55 PM
Carbon disulfide	25	10		µg/L	1	9/11/2008 6:10:55 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Chlorobenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Chloroethane	ND	2.0		µg/L	1	9/11/2008 6:10:55 PM
Chloroform	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Chloromethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/11/2008 6:10:55 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Dibromomethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/11/2008 6:10:55 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
2-Hexanone	ND	10		µg/L	1	9/11/2008 6:10:55 PM
Isopropylbenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/11/2008 6:10:55 PM
Methylene Chloride	ND	3.0		µg/L	1	9/11/2008 6:10:55 PM
n-Butylbenzene	2.5	1.0		µg/L	1	9/11/2008 6:10:55 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Styrene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/11/2008 6:10:55 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #2
Lab Order:	0809188	**Collection Date:**	9/9/2008 12:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **BDH**
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/11/2008 6:10:55 PM
Vinyl chloride	ND	1.0		µg/L	1	9/11/2008 6:10:55 PM
Xylenes, Total	4.4	1.5		µg/L	1	9/11/2008 6:10:55 PM
Surr: 1,2-Dichloroethane-d4	91.3	68.1-123		%REC	1	9/11/2008 6:10:55 PM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	1	9/11/2008 6:10:55 PM
Surr: Dibromofluoromethane	97.0	68.5-119		%REC	1	9/11/2008 6:10:55 PM
Surr: Toluene-d8	96.6	64-131		%REC	1	9/11/2008 6:10:55 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	10000	0.010		µmhos/cm	1	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.97	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #3
Lab Order:	0809188	**Collection Date:**	9/9/2008 1:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	51	5.0		mg/L	50	9/11/2008 12:22:31 PM
Chloride	2800	10		mg/L	100	9/29/2008 8:08:53 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	9/11/2008 12:05:06 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/11/2008 12:05:06 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 12:05:06 PM
Sulfate	1100	25		mg/L	50	9/11/2008 12:22:31 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:09:46 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:52:43 PM
Barium	0.11	0.010		mg/L	1	9/29/2008 12:52:43 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:52:43 PM
Calcium	340	5.0		mg/L	10	10/14/2008 9:52:31 AM
Chromium	ND	0.0060		mg/L	1	9/29/2008 12:52:43 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 12:52:43 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:52:43 PM
Magnesium	87	5.0		mg/L	10	10/14/2008 9:52:31 AM
Manganese	0.21	0.0020		mg/L	1	9/29/2008 12:52:43 PM
Potassium	54	10		mg/L	10	10/14/2008 9:52:31 AM
Selenium	ND	0.25		mg/L	5	10/15/2008 12:51:35 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:52:43 PM
Sodium	2000	50		mg/L	100	10/14/2008 9:31:34 AM
Zinc	0.047	0.020		mg/L	1	9/29/2008 12:52:43 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Toluene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Ethylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Naphthalene	ND	20		µg/L	10	9/16/2008 11:51:24 AM
1-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 11:51:24 AM
2-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 11:51:24 AM
Acetone	110	100		µg/L	10	9/16/2008 11:51:24 AM
Bromobenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Bromodichloromethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Bromoform	ND	10		µg/L	10	9/16/2008 11:51:24 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #3
Lab Order:	0809188	**Collection Date:**	9/9/2008 1:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Bromomethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
2-Butanone	ND	100		µg/L	10	9/16/2008 11:51:24 AM
Carbon disulfide	ND	100		µg/L	10	9/16/2008 11:51:24 AM
Carbon Tetrachloride	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Chlorobenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Chloroethane	ND	20		µg/L	10	9/16/2008 11:51:24 AM
Chloroform	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Chloromethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
2-Chlorotoluene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
4-Chlorotoluene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
cis-1,2-DCE	ND	10		µg/L	10	9/16/2008 11:51:24 AM
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/16/2008 11:51:24 AM
Dibromochloromethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Dibromomethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,3-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,4-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Dichlorodifluoromethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,1-Dichloroethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,1-Dichloroethene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2-Dichloropropane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,3-Dichloropropane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
2,2-Dichloropropane	ND	20		µg/L	10	9/16/2008 11:51:24 AM
1,1-Dichloropropene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Hexachlorobutadiene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
2-Hexanone	ND	100		µg/L	10	9/16/2008 11:51:24 AM
Isopropylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
4-Isopropyltoluene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
4-Methyl-2-pentanone	ND	100		µg/L	10	9/16/2008 11:51:24 AM
Methylene Chloride	ND	30		µg/L	10	9/16/2008 11:51:24 AM
n-Butylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
n-Propylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
sec-Butylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Styrene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
tert-Butylbenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/16/2008 11:51:24 AM
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/16/2008 11:51:24 AM
trans-1,2-DCE	ND	10		µg/L	10	9/16/2008 11:51:24 AM
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #3
Lab Order:	0809188	**Collection Date:**	9/9/2008 1:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,1,1-Trichloroethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,1,2-Trichloroethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Trichloroethene (TCE)	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Trichlorofluoromethane	ND	10		µg/L	10	9/16/2008 11:51:24 AM
1,2,3-Trichloropropane	ND	20		µg/L	10	9/16/2008 11:51:24 AM
Vinyl chloride	ND	10		µg/L	10	9/16/2008 11:51:24 AM
Xylenes, Total	ND	15		µg/L	10	9/16/2008 11:51:24 AM
Surr: 1,2-Dichloroethane-d4	91.2	68.1-123		%REC	10	9/16/2008 11:51:24 AM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	10	9/16/2008 11:51:24 AM
Surr: Dibromofluoromethane	94.9	68.5-119		%REC	10	9/16/2008 11:51:24 AM
Surr: Toluene-d8	94.9	64-131		%REC	10	9/16/2008 11:51:24 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	10000	0.010		µmhos/cm	1	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.94	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #4
Lab Order:	0809188	**Collection Date:**	9/9/2008 1:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Fluoride	49	5.0		mg/L	50	9/11/2008 1:49:34 PM
Chloride	2900	10		mg/L	100	9/29/2008 8:26:18 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	9/11/2008 12:39:56 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/11/2008 12:39:56 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 12:39:56 PM
Sulfate	1100	25		mg/L	50	9/11/2008 1:49:34 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:11:32 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:57:46 PM
Barium	0.13	0.010		mg/L	1	9/29/2008 12:57:46 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:57:46 PM
Calcium	320	5.0		mg/L	10	10/14/2008 11:09:50 AM
Chromium	ND	0.0060		mg/L	1	9/29/2008 12:57:46 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 12:57:46 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:57:46 PM
Magnesium	87	5.0		mg/L	10	10/14/2008 11:09:50 AM
Manganese	0.23	0.0020		mg/L	1	9/29/2008 12:57:46 PM
Potassium	54	10		mg/L	10	10/14/2008 11:09:50 AM
Selenium	ND	0.25		mg/L	5	10/15/2008 12:53:31 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:57:46 PM
Sodium	2000	50		mg/L	100	10/14/2008 9:33:47 AM
Zinc	0.021	0.020		mg/L	1	9/29/2008 12:57:46 PM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Toluene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Ethylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Naphthalene	ND	20		µg/L	10	9/16/2008 12:23:45 PM
1-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 12:23:45 PM
2-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 12:23:45 PM
Acetone	ND	100		µg/L	10	9/16/2008 12:23:45 PM
Bromobenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Bromodichloromethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Bromoform	ND	10		µg/L	10	9/16/2008 12:23:45 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0809188
Project: Quarterly OCD Samples 3rd Qtr. 2008
Lab ID: 0809188-04

Client Sample ID: Evap Pond #4
Collection Date: 9/9/2008 1:30:00 PM
Date Received: 9/10/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Bromomethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
2-Butanone	ND	100		µg/L	10	9/16/2008 12:23:45 PM
Carbon disulfide	ND	100		µg/L	10	9/16/2008 12:23:45 PM
Carbon Tetrachloride	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Chlorobenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Chloroethane	ND	20		µg/L	10	9/16/2008 12:23:45 PM
Chloroform	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Chloromethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
2-Chlorotoluene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
4-Chlorotoluene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
cis-1,2-DCE	ND	10		µg/L	10	9/16/2008 12:23:45 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/16/2008 12:23:45 PM
Dibromochloromethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Dibromomethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Dichlorodifluoromethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,1-Dichloroethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,1-Dichloroethene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2-Dichloropropane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,3-Dichloropropane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
2,2-Dichloropropane	ND	20		µg/L	10	9/16/2008 12:23:45 PM
1,1-Dichloropropene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Hexachlorobutadiene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
2-Hexanone	ND	100		µg/L	10	9/16/2008 12:23:45 PM
Isopropylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
4-Isopropyltoluene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	9/16/2008 12:23:45 PM
Methylene Chloride	ND	30		µg/L	10	9/16/2008 12:23:45 PM
n-Butylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
n-Propylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
sec-Butylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Styrene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
tert-Butylbenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/16/2008 12:23:45 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/16/2008 12:23:45 PM
trans-1,2-DCE	ND	10		µg/L	10	9/16/2008 12:23:45 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Value above quantitation range
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #4
Lab Order:	0809188	**Collection Date:**	9/9/2008 1:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Trichloroethene (TCE)	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Trichlorofluoromethane	ND	10		µg/L	10	9/16/2008 12:23:45 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	9/16/2008 12:23:45 PM
Vinyl chloride	ND	10		µg/L	10	9/16/2008 12:23:45 PM
Xylenes, Total	ND	15		µg/L	10	9/16/2008 12:23:45 PM
Surr: 1,2-Dichloroethane-d4	96.1	68.1-123		%REC	10	9/16/2008 12:23:45 PM
Surr: 4-Bromofluorobenzene	104	53.2-145		%REC	10	9/16/2008 12:23:45 PM
Surr: Dibromofluoromethane	97.4	68.5-119		%REC	10	9/16/2008 12:23:45 PM
Surr: Toluene-d8	96.1	64-131		%REC	10	9/16/2008 12:23:45 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	11000	0.010		µmhos/cm	1	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.90	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #5
Lab Order:	0809188	**Collection Date:**	9/9/2008 2:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Fluoride	33	1.0		mg/L	10	9/11/2008 12:57:20 PM
Chloride	3000	10		mg/L	100	9/29/2008 8:43:43 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	9/11/2008 12:57:20 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	9/11/2008 12:57:20 PM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 12:57:20 PM
Sulfate	890	25		mg/L	50	9/11/2008 2:06:59 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:13:19 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.020		mg/L	1	9/29/2008 12:59:49 PM
Barium	0.14	0.010		mg/L	1	9/29/2008 12:59:49 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 12:59:49 PM
Calcium	220	5.0		mg/L	10	10/14/2008 11:12:10 AM
Chromium	ND	0.0060		mg/L	1	9/29/2008 12:59:49 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 12:59:49 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 12:59:49 PM
Magnesium	82	5.0		mg/L	10	10/14/2008 11:12:10 AM
Manganese	0.17	0.0020		mg/L	1	9/29/2008 12:59:49 PM
Potassium	70	10		mg/L	10	10/14/2008 11:12:10 AM
Selenium	ND	0.25		mg/L	5	10/15/2008 12:56:08 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 12:59:49 PM
Sodium	2000	50		mg/L	100	10/14/2008 9:37:40 AM
Zinc	ND	0.020		mg/L	1	9/29/2008 12:59:49 PM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Toluene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Ethylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Naphthalene	ND	20		µg/L	10	9/16/2008 12:56:02 PM
1-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 12:56:02 PM
2-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 12:56:02 PM
Acetone	ND	100		µg/L	10	9/16/2008 12:56:02 PM
Bromobenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Bromodichloromethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Bromoform	ND	10		µg/L	10	9/16/2008 12:56:02 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #5
Lab Order:	0809188	**Collection Date:**	9/9/2008 2:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Bromomethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
2-Butanone	ND	100		µg/L	10	9/16/2008 12:56:02 PM
Carbon disulfide	ND	100		µg/L	10	9/16/2008 12:56:02 PM
Carbon Tetrachloride	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Chlorobenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Chloroethane	ND	20		µg/L	10	9/16/2008 12:56:02 PM
Chloroform	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Chloromethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
2-Chlorotoluene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
4-Chlorotoluene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
cis-1,2-DCE	ND	10		µg/L	10	9/16/2008 12:56:02 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/16/2008 12:56:02 PM
Dibromochloromethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Dibromomethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Dichlorodifluoromethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,1-Dichloroethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,1-Dichloroethene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2-Dichloropropane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,3-Dichloropropane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
2,2-Dichloropropane	ND	20		µg/L	10	9/16/2008 12:56:02 PM
1,1-Dichloropropene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Hexachlorobutadiene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
2-Hexanone	ND	100		µg/L	10	9/16/2008 12:56:02 PM
Isopropylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
4-Isopropyltoluene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	9/16/2008 12:56:02 PM
Methylene Chloride	ND	30		µg/L	10	9/16/2008 12:56:02 PM
n-Butylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
n-Propylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
sec-Butylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Styrene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
tert-Butylbenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/16/2008 12:56:02 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/16/2008 12:56:02 PM
trans-1,2-DCE	ND	10		µg/L	10	9/16/2008 12:56:02 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #5
Lab Order:	0809188	**Collection Date:**	9/9/2008 2:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-05	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,1,1-Trichloroethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Trichloroethene (TCE)	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Trichlorofluoromethane	ND	10		µg/L	10	9/16/2008 12:56:02 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	9/16/2008 12:56:02 PM
Vinyl chloride	ND	10		µg/L	10	9/16/2008 12:56:02 PM
Xylenes, Total	ND	15		µg/L	10	9/16/2008 12:56:02 PM
Surr: 1,2-Dichloroethane-d4	95.9	68.1-123		%REC	10	9/16/2008 12:56:02 PM
Surr: 4-Bromofluorobenzene	97.1	53.2-145		%REC	10	9/16/2008 12:56:02 PM
Surr: Dibromofluoromethane	97.6	68.5-119		%REC	10	9/16/2008 12:56:02 PM
Surr: Toluene-d8	102	64-131		%REC	10	9/16/2008 12:56:02 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	10000	0.010		µmhos/cm	1	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.93	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #6
Lab Order:	0809188	**Collection Date:**	9/9/2008 2:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	26	1.0		mg/L	10	9/11/2008 2:24:24 PM
Chloride	4900	20		mg/L	200	9/29/2008 9:01:08 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	9/30/2008 11:07:02 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 2:24:24 PM
Sulfate	1900	25		mg/L	50	9/11/2008 3:16:38 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:15:06 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.020		mg/L	1	9/29/2008 1:06:01 PM
Barium	0.11	0.010		mg/L	1	9/29/2008 1:06:01 PM
Cadmium	ND	0.0020		mg/L	1	9/29/2008 1:06:01 PM
Calcium	330	5.0		mg/L	10	10/14/2008 11:14:32 AM
Chromium	ND	0.0060		mg/L	1	9/29/2008 1:06:01 PM
Copper	ND	0.0060		mg/L	1	9/29/2008 1:06:01 PM
Lead	ND	0.0050		mg/L	1	9/29/2008 1:06:01 PM
Magnesium	130	5.0		mg/L	10	10/14/2008 11:14:32 AM
Manganese	0.46	0.0020		mg/L	1	9/29/2008 1:06:01 PM
Potassium	130	10		mg/L	10	10/14/2008 11:14:32 AM
Selenium	ND	0.25		mg/L	5	10/15/2008 12:58:57 PM
Silver	ND	0.0050		mg/L	1	9/29/2008 1:06:01 PM
Sodium	3300	50		mg/L	100	10/14/2008 9:39:56 AM
Zinc	ND	0.020		mg/L	1	9/29/2008 1:06:01 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Toluene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Ethylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Naphthalene	ND	20		µg/L	10	9/16/2008 1:28:18 PM
1-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 1:28:18 PM
2-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 1:28:18 PM
Acetone	ND	100		µg/L	10	9/16/2008 1:28:18 PM
Bromobenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Bromodichloromethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Bromoform	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Bromomethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #6
Lab Order:	0809188	**Collection Date:**	9/9/2008 2:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
2-Butanone	ND	100		µg/L	10	9/16/2008 1:28:18 PM
Carbon disulfide	ND	100		µg/L	10	9/16/2008 1:28:18 PM
Carbon Tetrachloride	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Chlorobenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Chloroethane	ND	20		µg/L	10	9/16/2008 1:28:18 PM
Chloroform	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Chloromethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
2-Chlorotoluene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
4-Chlorotoluene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
cis-1,2-DCE	ND	10		µg/L	10	9/16/2008 1:28:18 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/16/2008 1:28:18 PM
Dibromochloromethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Dibromomethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Dichlorodifluoromethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,1-Dichloroethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,1-Dichloroethene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2-Dichloropropane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,3-Dichloropropane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
2,2-Dichloropropane	ND	20		µg/L	10	9/16/2008 1:28:18 PM
1,1-Dichloropropene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Hexachlorobutadiene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
2-Hexanone	ND	100		µg/L	10	9/16/2008 1:28:18 PM
Isopropylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
4-Isopropyltoluene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	9/16/2008 1:28:18 PM
Methylene Chloride	ND	30		µg/L	10	9/16/2008 1:28:18 PM
n-Butylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
n-Propylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
sec-Butylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Styrene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
tert-Butylbenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/16/2008 1:28:18 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/16/2008 1:28:18 PM
trans-1,2-DCE	ND	10		µg/L	10	9/16/2008 1:28:18 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 1:28:18 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #6
Lab Order:	0809188	**Collection Date:**	9/9/2008 2:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-06	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,1-Trichloroethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Trichloroethene (TCE)	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Trichlorofluoromethane	ND	10		µg/L	10	9/16/2008 1:28:18 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	9/16/2008 1:28:18 PM
Vinyl chloride	ND	10		µg/L	10	9/16/2008 1:28:18 PM
Xylenes, Total	ND	15		µg/L	10	9/16/2008 1:28:18 PM
Surr: 1,2-Dichloroethane-d4	96.3	68.1-123		%REC	10	9/16/2008 1:28:18 PM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	10	9/16/2008 1:28:18 PM
Surr: Dibromofluoromethane	94.9	68.5-119		%REC	10	9/16/2008 1:28:18 PM
Surr: Toluene-d8	94.8	64-131		%REC	10	9/16/2008 1:28:18 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	16000	0.010		µmhos/cm	1	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.83	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #7
Lab Order:	0809188	**Collection Date:**	9/9/2008 3:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Fluoride	25	5.0		mg/L	50	9/11/2008 3:34:03 PM
Chloride	38000	100		mg/L	1000	9/29/2008 9:18:33 PM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	9/30/2008 11:41:51 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 2:41:48 PM
Sulfate	8500	500		mg/L	1000	9/29/2008 9:18:33 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:16:54 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: NMO
Arsenic	ND	0.20		mg/L	10	9/29/2008 2:31:54 PM
Barium	0.11	0.10		mg/L	10	9/29/2008 2:31:54 PM
Cadmium	ND	0.020		mg/L	10	9/29/2008 2:31:54 PM
Calcium	730	5.0		mg/L	10	10/14/2008 11:19:33 AM
Chromium	ND	0.060		mg/L	10	9/29/2008 2:31:54 PM
Copper	ND	0.060		mg/L	10	9/29/2008 2:31:54 PM
Lead	ND	0.050		mg/L	10	9/29/2008 2:31:54 PM
Magnesium	960	50		mg/L	100	10/14/2008 9:42:08 AM
Manganese	5.8	0.020		mg/L	10	9/29/2008 2:31:54 PM
Potassium	1100	100		mg/L	100	10/14/2008 9:42:08 AM
Selenium	ND	0.50		mg/L	10	9/29/2008 2:31:54 PM
Silver	ND	0.050		mg/L	10	9/29/2008 2:31:54 PM
Sodium	28000	500		mg/L	1000	10/14/2008 8:11:29 PM
Zinc	ND	0.20		mg/L	10	9/29/2008 2:31:54 PM
EPA METHOD 8260B: VOLATILES						Analyst: NSB
Benzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Toluene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Ethylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Naphthalene	ND	20		µg/L	10	9/16/2008 2:00:30 PM
1-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 2:00:30 PM
2-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 2:00:30 PM
Acetone	ND	100		µg/L	10	9/16/2008 2:00:30 PM
Bromobenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Bromodichloromethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Bromoform	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Bromomethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #7
Lab Order:	0809188	**Collection Date:**	9/9/2008 3:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
2-Butanone	ND	100		µg/L	10	9/16/2008 2:00:30 PM
Carbon disulfide	ND	100		µg/L	10	9/16/2008 2:00:30 PM
Carbon Tetrachloride	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Chlorobenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Chloroethane	ND	20		µg/L	10	9/16/2008 2:00:30 PM
Chloroform	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Chloromethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
2-Chlorotoluene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
4-Chlorotoluene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
cis-1,2-DCE	ND	10		µg/L	10	9/16/2008 2:00:30 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/16/2008 2:00:30 PM
Dibromochloromethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Dibromomethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Dichlorodifluoromethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,1-Dichloroethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,1-Dichloroethene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2-Dichloropropane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,3-Dichloropropane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
2,2-Dichloropropane	ND	20		µg/L	10	9/16/2008 2:00:30 PM
1,1-Dichloropropene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Hexachlorobutadiene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
2-Hexanone	ND	100		µg/L	10	9/16/2008 2:00:30 PM
Isopropylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
4-Isopropyltoluene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	9/16/2008 2:00:30 PM
Methylene Chloride	ND	30		µg/L	10	9/16/2008 2:00:30 PM
n-Butylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
n-Propylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
sec-Butylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Styrene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
tert-Butylbenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/16/2008 2:00:30 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/16/2008 2:00:30 PM
trans-1,2-DCE	ND	10		µg/L	10	9/16/2008 2:00:30 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 2:00:30 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #7
Lab Order:	0809188	**Collection Date:**	9/9/2008 3:00:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-07	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,1-Trichloroethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Trichloroethene (TCE)	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Trichlorofluoromethane	ND	10		µg/L	10	9/16/2008 2:00:30 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	9/16/2008 2:00:30 PM
Vinyl chloride	ND	10		µg/L	10	9/16/2008 2:00:30 PM
Xylenes, Total	ND	15		µg/L	10	9/16/2008 2:00:30 PM
Surr: 1,2-Dichloroethane-d4	97.5	68.1-123		%REC	10	9/16/2008 2:00:30 PM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	10	9/16/2008 2:00:30 PM
Surr: Dibromofluoromethane	98.1	68.5-119		%REC	10	9/16/2008 2:00:30 PM
Surr: Toluene-d8	101	64-131		%REC	10	9/16/2008 2:00:30 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	110000	0.10		µmhos/cm	10	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.52	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #8
Lab Order:	0809188	**Collection Date:**	9/9/2008 3:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	26	1.0		mg/L	10	9/11/2008 2:59:13 PM
Chloride	17000	50		mg/L	500	9/29/2008 9:35:58 PM
Nitrate (As N)+Nitrite (As N)	ND	20		mg/L	100	9/30/2008 11:59:15 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	9/11/2008 2:59:13 PM
Sulfate	3400	25		mg/L	50	9/11/2008 3:51:28 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	9/18/2008 3:18:41 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **NMO**
Arsenic	ND	0.10		mg/L	5	9/29/2008 2:53:34 PM
Barium	0.12	0.050		mg/L	5	9/29/2008 2:53:34 PM
Cadmium	ND	0.010		mg/L	5	9/29/2008 2:53:34 PM
Calcium	530	5.0		mg/L	10	10/14/2008 11:22:52 AM
Chromium	ND	0.030		mg/L	5	9/29/2008 2:53:34 PM
Copper	ND	0.030		mg/L	5	9/29/2008 2:53:34 PM
Lead	ND	0.025		mg/L	5	9/29/2008 2:53:34 PM
Magnesium	420	5.0		mg/L	10	10/14/2008 11:22:52 AM
Manganese	2.4	0.010		mg/L	5	9/29/2008 2:53:34 PM
Potassium	800	100		mg/L	100	10/14/2008 9:45:28 AM
Selenium	ND	0.25		mg/L	5	9/29/2008 2:53:34 PM
Silver	ND	0.025		mg/L	5	9/29/2008 2:53:34 PM
Sodium	9500	50		mg/L	100	10/14/2008 9:45:28 AM
Zinc	ND	0.10		mg/L	5	9/29/2008 2:53:34 PM
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Toluene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Ethylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Methyl tert-butyl ether (MTBE)	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2,4-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,3,5-Trimethylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2-Dichloroethane (EDC)	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2-Dibromoethane (EDB)	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Naphthalene	ND	20		µg/L	10	9/16/2008 2:32:50 PM
1-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 2:32:50 PM
2-Methylnaphthalene	ND	40		µg/L	10	9/16/2008 2:32:50 PM
Acetone	ND	100		µg/L	10	9/16/2008 2:32:50 PM
Bromobenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Bromodichloromethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Bromoform	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Bromomethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #8
Lab Order:	0809188	**Collection Date:**	9/9/2008 3:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: NSB
2-Butanone	ND	100		µg/L	10	9/16/2008 2:32:50 PM
Carbon disulfide	ND	100		µg/L	10	9/16/2008 2:32:50 PM
Carbon Tetrachloride	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Chlorobenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Chloroethane	ND	20		µg/L	10	9/16/2008 2:32:50 PM
Chloroform	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Chloromethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
2-Chlorotoluene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
4-Chlorotoluene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
cis-1,2-DCE	ND	10		µg/L	10	9/16/2008 2:32:50 PM
cis-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2-Dibromo-3-chloropropane	ND	20		µg/L	10	9/16/2008 2:32:50 PM
Dibromochloromethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Dibromomethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,3-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,4-Dichlorobenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Dichlorodifluoromethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,1-Dichloroethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,1-Dichloroethene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2-Dichloropropane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,3-Dichloropropane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
2,2-Dichloropropane	ND	20		µg/L	10	9/16/2008 2:32:50 PM
1,1-Dichloropropene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Hexachlorobutadiene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
2-Hexanone	ND	100		µg/L	10	9/16/2008 2:32:50 PM
Isopropylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
4-Isopropyltoluene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
4-Methyl-2-pentanone	ND	100		µg/L	10	9/16/2008 2:32:50 PM
Methylene Chloride	ND	30		µg/L	10	9/16/2008 2:32:50 PM
n-Butylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
n-Propylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
sec-Butylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Styrene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
tert-Butylbenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,1,1,2-Tetrachloroethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,1,2,2-Tetrachloroethane	ND	20		µg/L	10	9/16/2008 2:32:50 PM
Tetrachloroethene (PCE)	ND	10		µg/L	10	9/16/2008 2:32:50 PM
trans-1,2-DCE	ND	10		µg/L	10	9/16/2008 2:32:50 PM
trans-1,3-Dichloropropene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2,3-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2,4-Trichlorobenzene	ND	10		µg/L	10	9/16/2008 2:32:50 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Evap Pond #8
Lab Order:	0809188	**Collection Date:**	9/9/2008 3:30:00 PM
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-08	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
1,1,1-Trichloroethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,1,2-Trichloroethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Trichloroethene (TCE)	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Trichlorofluoromethane	ND	10		µg/L	10	9/16/2008 2:32:50 PM
1,2,3-Trichloropropane	ND	20		µg/L	10	9/16/2008 2:32:50 PM
Vinyl chloride	ND	10		µg/L	10	9/16/2008 2:32:50 PM
Xylenes, Total	ND	15		µg/L	10	9/16/2008 2:32:50 PM
Surr: 1,2-Dichloroethane-d4	99.1	68.1-123		%REC	10	9/16/2008 2:32:50 PM
Surr: 4-Bromofluorobenzene	108	53.2-145		%REC	10	9/16/2008 2:32:50 PM
Surr: Dibromofluoromethane	98.9	68.5-119		%REC	10	9/16/2008 2:32:50 PM
Surr: Toluene-d8	100	64-131		%REC	10	9/16/2008 2:32:50 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMS**
Specific Conductance	51000	0.10		µmhos/cm	10	9/11/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.75	0.1		pH units	1	9/11/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0809188	**Collection Date:**	
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-09	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Benzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Toluene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Ethylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Naphthalene	ND	2.0		µg/L	1	9/16/2008 4:01:55 PM
1-Methylnaphthalene	ND	4.0		µg/L	1	9/16/2008 4:01:55 PM
2-Methylnaphthalene	ND	4.0		µg/L	1	9/16/2008 4:01:55 PM
Acetone	ND	10		µg/L	1	9/16/2008 4:01:55 PM
Bromobenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Bromodichloromethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Bromoform	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Bromomethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
2-Butanone	ND	10		µg/L	1	9/16/2008 4:01:55 PM
Carbon disulfide	ND	10		µg/L	1	9/16/2008 4:01:55 PM
Carbon Tetrachloride	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Chlorobenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Chloroethane	ND	2.0		µg/L	1	9/16/2008 4:01:55 PM
Chloroform	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Chloromethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
2-Chlorotoluene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
4-Chlorotoluene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
cis-1,2-DCE	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	9/16/2008 4:01:55 PM
Dibromochloromethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Dibromomethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Dichlorodifluoromethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,1-Dichloroethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,1-Dichloroethene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2-Dichloropropane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,3-Dichloropropane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
2,2-Dichloropropane	ND	2.0		µg/L	1	9/16/2008 4:01:55 PM
1,1-Dichloropropene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Hexachlorobutadiene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
2-Hexanone	ND	10		µg/L	1	9/16/2008 4:01:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0809188	**Collection Date:**	
Project:	Quarterly OCD Samples 3rd Qtr. 2008	**Date Received:**	9/10/2008
Lab ID:	0809188-09	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **NSB**
Isopropylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
4-Isopropyltoluene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
4-Methyl-2-pentanone	ND	10		µg/L	1	9/16/2008 4:01:55 PM
Methylene Chloride	ND	3.0		µg/L	1	9/16/2008 4:01:55 PM
n-Butylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
n-Propylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
sec-Butylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Styrene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
tert-Butylbenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	9/16/2008 4:01:55 PM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
trans-1,2-DCE	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Trichloroethene (TCE)	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Trichlorofluoromethane	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	9/16/2008 4:01:55 PM
Vinyl chloride	ND	1.0		µg/L	1	9/16/2008 4:01:55 PM
Xylenes, Total	ND	1.5		µg/L	1	9/16/2008 4:01:55 PM
Surr: 1,2-Dichloroethane-d4	97.8	68.1-123		%REC	1	9/16/2008 4:01:55 PM
Surr: 4-Bromofluorobenzene	97.3	53.2-145		%REC	1	9/16/2008 4:01:55 PM
Surr: Dibromofluoromethane	96.7	68.5-119		%REC	1	9/16/2008 4:01:55 PM
Surr: Toluene-d8	97.6	64-131		%REC	1	9/16/2008 4:01:55 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-001	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008 10:15 AM
Client Sample ID	0809188-01D / EVAP POND #1	**Sampling Time**	12:00 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	ND	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

Anatek Labs, Inc.

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504 E Sprague Ste. D • Spokane WA 99202 • (509) 838-3999 • Fax (509) 838-4433 • email spokane@anateklabs.com

Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-002	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008	10:15 AM
Client Sample ID	0809188-02D / EVAP POND #2	**Sampling Time**	12:30 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00207	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

Anatek Labs, Inc.

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-003	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008	10:15 AM
Client Sample ID	0809188-03D / EVAP POND #3	**Sampling Time**	1:00 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00237	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0026; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2832; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-004	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008 10:15 AM
Client Sample ID	0809188-04D / EVAP POND #4	**Sampling Time**	1:30 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00187	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-005	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008 10:15 AM
Client Sample ID	0809188-05D / EVAP POND #5	**Sampling Time**	2:00 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00142	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87693; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-006	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008	10:15 AM
Client Sample ID	0809188-06D / EVAP POND #6	**Sampling Time**	2:30 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00125	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-007	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008	10:15 AM
Client Sample ID	0809188-07D / EVAP POND #7	**Sampling Time**	3:00 PM			
Matrix	Water					
Comments						

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00103	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1267

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Client:	HALL ENVIRONMENTAL ANALYSIS LAB	**Batch #:**	080914015
Address:	4901 HAWKINS NE SUITE D ALBUQUERQUE, NM 87109	**Project Name:**	0809188
Attn:	ANDY FREEMAN		

Analytical Results Report

Sample Number	080914015-008	**Sampling Date**	9/9/2008	**Date/Time Received**	9/12/2008 10:15 AM
Client Sample ID	0809188-08D / EVAP POND #8	**Sampling Time**	3:30 PM		
Matrix	Water				
Comments					

Parameter	Result	Units	PQL	Analysis Date	Analyst	Method	Qualifier
Uranium	0.00148	mg/L	0.001	9/24/2008	DMB	EPA 6020A	

Authorized Signature John W. Cobb

MCL EPA's Maximum Contaminant Level
ND Not Detected
PQL Practical Quantitation Limit

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

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Client: HALL ENVIRONMENTAL ANALYSIS LAB
Address: 4901 HAWKINS NE SUITE D
ALBUQUERQUE, NM 87109
Attn: ANDY FREEMAN

Batch #: 080914015
Project Name: 0809188

Analytical Results Report

Quality Control Data

Lab Control Sample

Parameter	LCS Result	Units	LCS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
Uranium	0.0469	mg/L	0.05	93.8	85-115	9/18/2008	9/24/2008

Matrix Spike

Sample Number	Parameter	Sample Result	MS Result	Units	MS Spike	%Rec	AR %Rec	Prep Date	Analysis Date
080912022-001A	Uranium	0.00238	0.0524	mg/L	0.05	100.0	75-125	9/18/2008	9/24/2008

Matrix Spike Duplicate

Parameter	MSD Result	Units	MSD Spike	%Rec	%RPD	AR %RPD	Prep Date	Analysis Date
Uranium	0.0535	mg/L	0.05	102.2	2.1	0-20	9/18/2008	9/24/2008

Method Blank

Parameter	Result	Units	PQL	Prep Date	Analysis Date
Uranium	ND	mg/L	0.001	9/18/2008	9/24/2008

AR Acceptable Range
ND Not Detected
PQL Practical Quantitation Limit
RPD Relative Percentage Difference

Comments:

Certifications held by Anatek Labs ID: EPA:ID00013; AZ:0701; CO:ID00013; FL(NELAP):E87893; ID:ID00013; IN:C-ID-01; KY:90142; MT:CERT0028; NM: ID00013; OR:ID200001-002; WA:C1320
Certifications held by Anatek Labs WA: EPA:WA00169; CA:Cert2632; ID:WA00169; WA:C1287

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
P.O. Box 90430 • Albuquerque, New Mexico 87199 • (800) 447-0327

Explanation of codes	
B	Analyte Detected In Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0809188
Order: 08090285 HAL03 Receipt: 09-11-08

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0809188-01E EVAP POND #1* Collected: *09-09-08 12:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-001A		EPA 410.1 Chemical Oxygen Demand					By:	FAS		
WCOD08035	WC.2008.2341.13	C-004	Chemical Oxygen Demand	3000	mg/L	10	10		09-22-08	09-23-08

Sample: *0809188-01F EVAP POND #1* Collected: *09-09-08 12:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-002A		EPA 405.1 Biochemical Oxygen Demand					By:	SRM		
BOD08103	WC.2008.2324.5	10-26-4	Biochemical Oxygen Demand	299	mg/L	1	2		09-11-08	09-16-08

Sample: *0809188-02E EVAP POND #2* Collected: *09-09-08 12:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-003A		EPA 410.1 Chemical Oxygen Demand					By:	FAS		
WCOD08035	WC.2008.2341.14	C-004	Chemical Oxygen Demand	2500	mg/L	10	10		09-22-08	09-23-08

Report Date: 9/25/2008 1:30:57 PM

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HALL ENVIRONMENTAL

Project: **0809188**

Order: **08090285** **HAL03** Receipt: **09-11-08**

Sample: ***0809188-02F EVAP POND #2*** Collected: *09-09-08 12:30:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-004A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08103	WC.2008.2324.7	10-26-4	Biochemical Oxygen Demand	122	mg/L	1	2		09-11-08	09-16-08

Sample: ***0809188-03E EVAP POND #3*** Collected: *09-09-08 13:00:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-005A		EPA 410.1 Chemical Oxygen Demand						By: FAS		
WCOD08035	WC.2008.2341.10	C-004	Chemical Oxygen Demand	950	mg/L	1	10		09-22-08	09-23-08

Sample: ***0809188-03F EVAP POND #3*** Collected: *09-09-08 13:00:00* By:

Matrix: ***AQUEOUS***

Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-006A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08103	WC.2008.2324.8	10-26-4	Biochemical Oxygen Demand	73.0	mg/L	1	2		09-11-08	09-16-08

Sample: ***0809188-04E EVAP POND #4*** Collected: *09-09-08 13:30:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-007A		EPA 410.1 Chemical Oxygen Demand						By: FAS		
WCOD08035	WC.2008.2341.11	C-004	Chemical Oxygen Demand	850	mg/L	1	10		09-22-08	09-23-08

Sample: ***0809188-04F EVAP POND #4*** Collected: *09-09-08 13:30:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-008A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08103	WC.2008.2324.9	10-26-4	Biochemical Oxygen Demand	68.0	mg/L	1	2		09-11-08	09-16-08

Sample: ***0809188-05E EVAP POND #5*** Collected: *09-09-08 14:00:00* By:

Matrix: ***AQUEOUS***

Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-009A		EPA 410.1 Chemical Oxygen Demand						By: FAS		
WCOD08036	WC.2008.2367.9	C-004	Chemical Oxygen Demand	667	mg/L	1	10		09-23-08	09-24-08

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Certificate of Analysis

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Client: **HALL ENVIRONMENTAL**
Project: **0809188**
Order: **08090285** **HAL03** Receipt: **09-11-08**

Sample: ***0809188-05E EVAP POND #5*** Collected: *09-09-08 14:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date

Sample: ***0809188-05F EVAP POND #5*** Collected: *09-09-08 14:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
18090285-010A		EPA 405.1 Biochemical Oxygen Demand					By:	SRM		
1OD08103	WC.2008.2324.10	10-26-4	Biochemical Oxygen Demand	59.0	mg/L	1	2		09-11-08	09-16-08

Sample: ***0809188-06E EVAP POND #6*** Collected: *09-09-08 14:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
18 5-011A		EPA 410.1 Chemical Oxygen Demand					By:	FAS		
VC J36	WC.2008.2367.10	C-004	Chemical Oxygen Demand	949	mg/L	1	10		09-23-08	09-24-08

Sample: ***0809188-06F EVAP POND #6*** Collected: *09-09-08 14:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
8090285-012A		EPA 405.1 Biochemical Oxygen Demand					By:	SRM		
OD08103	WC.2008.2324.11	10-26-4	Biochemical Oxygen Demand	47.0	mg/L	1	2		09-11-08	09-16-08

Sample: ***0809188-07E EVAP POND #7*** Collected: *09-09-08 15:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
8090285-013A		EPA 410.1 Chemical Oxygen Demand					By:	FAS		
/COD08036	WC.2008.2367.18	C-004	Chemical Oxygen Demand	3330	mg/L	10	10		09-23-08	09-24-08

Sample: ***0809188-07F EVAP POND #7*** Collected: *09-09-08 15:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
309 85-014A		EPA 405.1 Biochemical Oxygen Demand					By:	SRM		
O	WC.2008.2324.12	10-26-4	Biochemical Oxygen Demand	47.8	mg/L	1	2		09-11-08	09-16-08

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Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809188**
Order: **08090285** **HAL03** Receipt: **09-11-08**

Sample: ***0809188-08E EVAP POND #8*** Collected: *09-09-08 15:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-015A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08036	WC.2008.2367.19	C-004	Chemical Oxygen Demand	3080	mg/L	10	10		09-23-08	09-24-08

Sample: ***0809188-08F EVAP POND #8*** Collected: *09-09-08 15:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090285-016A		**EPA 405.1 Biochemical Oxygen Demand**					By:	SRM		
BOD08103	WC.2008.2324.13	10-26-4	Biochemical Oxygen Demand	Less Than 16.0	mg/L	1	2		09-11-08	09-16-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

ical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R30199**	Analysis Date:	9/11/2008 10:20:40 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R30447**	Analysis Date:	9/29/2008 10:40:06 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R30454**	Analysis Date:	9/29/2008 9:24:46 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
›gen, Nitrate (As N)	ND	mg/L	0.10						
‹e (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R30470**	Analysis Date:	9/30/2008 9:57:24 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R30199**	Analysis Date:	9/11/2008 10:38:05 AM	
Fluoride	0.5471	mg/L	0.10	109	90	110			
Chloride	5.023	mg/L	0.10	100	90	110			
Nitrogen, Nitrite (As N)	0.9259	mg/L	0.10	92.6	90	110			
Nitrogen, Nitrate (As N)	2.602	mg/L	0.10	104	90	110			
Nitrate (As N)+Nitrite (As N)	3.527	mg/L	0.20	101	90	110			
Phosphorus, Orthophosphate (As P)	5.148	mg/L	0.50	103	90	110			
Sulfate	10.29	mg/L	0.50	103	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R30447**	Analysis Date:	9/29/2008 10:57:31 AM	
Fluoride	0.5073	mg/L	0.10	101	90	110			
Chloride	4.953	mg/L	0.10	99.1	90	110			
Nitrate (As N)+Nitrite (As N)	3.480	mg/L	0.20	99.4	90	110			
Phosphorus, Orthophosphate (As P)	4.940	mg/L	0.50	98.8	90	110			
Sulfate	10.15	mg/L	0.50	101	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R30454**	Analysis Date:	9/29/2008 9:42:10 AM	
·ide	0.4616	mg/L	0.10	92.3	90	110			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

.ent: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: LCS		*LCS*			Batch ID:	**R30454**	Analysis Date:	9/29/2008 9:42:10 AM	
Chloride	4.883	mg/L	0.10	97.7	90	110			
Nitrogen, Nitrite (As N)	1.011	mg/L	0.10	101	90	110			
Nitrogen, Nitrate (As N)	2.469	mg/L	0.10	98.8	90	110			
Nitrate (As N)+Nitrite (As N)	3.480	mg/L	0.20	99.4	90	110			
Phosphorus, Orthophosphate (As P)	5.036	mg/L	0.50	101	90	110			
Sulfate	9.924	mg/L	0.50	99.2	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R30470**	Analysis Date:	9/30/2008 10:14:48 AM	
Fluoride	0.5027	mg/L	0.10	101	90	110			
Chloride	4.858	mg/L	0.10	97.2	90	110			
Nitrate (As N)+Nitrite (As N)	3.421	mg/L	0.20	97.7	90	110			
Phosphorus, Orthophosphate (As P)	4.887	mg/L	0.50	97.7	90	110			
Sulfate	10.01	mg/L	0.50	100	90	110			
Method: EPA Method 7470: Mercury									
Sample ID: MB-17098		*MBLK*			Batch ID:	**17098**	Analysis Date:	9/18/2008 2:33:46 PM	
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-17098		*LCS*			Batch ID:	**17098**	Analysis Date:	9/18/2008 2:35:33 PM	
··rcury	0.004814	mg/L	0.00020	96.3	80	120			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: 0809188-08CMSD		*MSD*			Batch ID:	**17120**	Analysis Date:	9/29/2008 1:17:51 PM	
Zinc	0.3846	mg/L	0.020	74.7	75	125	10.8	20	S
Sample ID: 0809188-08CMS		*MSD*			Batch ID:	**17120**	Analysis Date:	9/29/2008 3:01:23 PM	
Arsenic	0.4032	mg/L	0.10	80.6	75	125	22.8	20	R
Barium	0.5904	mg/L	0.050	93.8	75	125	2.47	20	
Cadmium	0.4938	mg/L	0.010	98.8	75	125	0.573	20	
Chromium	0.4832	mg/L	0.030	96.6	75	125	2.75	20	
Copper	0.5519	mg/L	0.030	110	75	125	5.31	20	
Lead	0.4323	mg/L	0.025	86.5	75	125	1.54	20	
Selenium	ND	mg/L	0.25	0	75	125	0	20	S
Silver	0.5204	mg/L	0.025	104	75	125	1.18	20	
Zinc	0.4705	mg/L	0.10	94.1	75	125	0.977	20	
Sample ID: MB-17120		*MBLK*			Batch ID:	**17120**	Analysis Date:	9/29/2008 12:08:34 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
[illegible]er	ND	mg/L	0.0060						
[illegible]	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Manganese	ND	mg/L	0.0020						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Zinc	ND	mg/L	0.020						
Sample ID: LCS-17120		*LCS*			Batch ID:	**17120**	Analysis Date:	9/29/2008 12:11:30 PM	
Arsenic	0.4620	mg/L	0.020	92.4	80	120			
Barium	0.4635	mg/L	0.010	92.7	80	120			
Cadmium	0.4677	mg/L	0.0020	93.5	80	120			
Calcium	46.49	mg/L	0.50	93.0	80	120			
Chromium	0.4618	mg/L	0.0060	92.4	80	120			
Copper	0.4809	mg/L	0.0060	96.2	80	120			
Lead	0.4504	mg/L	0.0050	90.1	80	120			
Magnesium	47.34	mg/L	0.50	94.7	80	120			
Manganese	0.4629	mg/L	0.0020	92.6	80	120			
Potassium	50.29	mg/L	1.0	101	80	120			
Selenium	0.4557	mg/L	0.050	91.1	80	120			
Silver	0.4789	mg/L	0.0050	95.8	80	120			
Sodium	49.85	mg/L	0.50	99.7	80	120			
Zinc	0.4494	mg/L	0.020	89.9	80	120			
Sample ID: 0809188-08CMS		*MS*			Batch ID:	**17120**	Analysis Date:	9/29/2008 1:13:36 PM	
Zinc	0.4286	mg/L	0.020	83.5	75	125			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: 0809188-08CMS		*MS*			Batch ID:	**17120**	Analysis Date:	9/29/2008 2:57:29 PM	
Arsenic	0.5067	mg/L	0.10	101	75	125			
Barium	0.5760	mg/L	0.050	90.9	75	125			
Cadmium	0.4909	mg/L	0.010	98.2	75	125			
Chromium	0.4701	mg/L	0.030	94.0	75	125			
Copper	0.5234	mg/L	0.030	105	75	125			
Lead	0.4257	mg/L	0.025	85.1	75	125			
Selenium	ND	mg/L	0.25	0	75	125			S
Silver	0.5142	mg/L	0.025	103	75	125			
Zinc	0.4660	mg/L	0.10	93.2	75	125			

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 8:30:13 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
rbon disulfide	ND	µg/L	10						
on Tetrachloride	ND	µg/L	1.0						
orobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 8:30:13 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 9:49:48 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 9:49:48 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
[illegible]-Dichloropropene	ND	µg/L	1.0						
[illegible]chlorobutadiene	ND	µg/L	1.0						
2-[illegible]xanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
[illegible]mple ID: 100ng lcs		*LCS*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 10:45:01 AM	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly OCD Samples 3rd Qtr. 2008 **Work Order:** 0809188

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 10:45:01 AM	
Benzene	21.66	µg/L	1.0	108	88	116			
Toluene	19.73	µg/L	1.0	98.6	82.9	112			
Chlorobenzene	19.16	µg/L	1.0	95.8	71.4	133			
1,1-Dichloroethene	25.23	µg/L	1.0	126	97.9	140			
Trichloroethene (TCE)	19.18	µg/L	1.0	95.9	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 10:49:16 AM	
Benzene	20.57	µg/L	1.0	103	88	116			
Toluene	20.91	µg/L	1.0	105	82.9	112			
Chlorobenzene	19.91	µg/L	1.0	99.5	71.4	133			
1,1-Dichloroethene	22.94	µg/L	1.0	115	97.9	140			
Trichloroethene (TCE)	20.13	µg/L	1.0	101	90.5	112			
Sample ID: 100ng lcsd		*LCSD*			Batch ID:	**R30200**	Analysis Date:	9/11/2008 9:09:08 PM	
Benzene	19.82	µg/L	1.0	99.1	88	116	8.84	11	
Toluene	19.19	µg/L	1.0	95.9	82.9	112	2.76	12.2	
Chlorobenzene	19.25	µg/L	1.0	96.3	71.4	133	0.456	12	
1,1-Dichloroethene	23.11	µg/L	1.0	116	97.9	140	8.78	19.3	
Trichloroethene (TCE)	18.69	µg/L	1.0	93.5	90.5	112	2.59	15.5	
Sample ID: 100ng lcsd		*LCSD*			Batch ID:	**R30246**	Analysis Date:	9/16/2008 11:11:52 PM	
Benzene	20.44	µg/L	1.0	102	88	116	0.628	11	
Toluene	20.05	µg/L	1.0	100	82.9	112	4.21	12.2	
Chlorobenzene	20.41	µg/L	1.0	102	71.4	133	2.52	12	
1,1-Dichloroethene	22.05	µg/L	1.0	110	97.9	140	3.95	19.3	
Trichloroethene (TCE)	20.62	µg/L	1.0	103	90.5	112	2.42	15.5	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 9/10/2008

Work Order Number 0809188

Received by: AT

Sample ID labels checked by: AT (Initials)

Checklist completed by: [signature] (Signature) 9/10/08 (Date)

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Company - Gallup
Address: I-40 Exit 39
Jamestown, NM 87347
Phone #: 505-722-3833
email or Fax#: 505-722-0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time: Pg 1 of 2
☐ Standard ☐ Rush

Project Name: Quarterly OCD Samples 3rd Qtr. 2008
Project #:

Project Manager: Gaurav Rajen

Sampler: Steve Morris
On Ice: ☒ Yes ☐ No
Sample temperature: 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0809188	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem	WQCC Total Metals	BOD - COD		Air Bubbles (Y or N)
9-9-08	1200	Evap. Pond #1			-1										X		X	X	X		
"	1230	Evap. Pond #2			-2										X		X	X	X		
"	1300	Evap. Pond #3			-3										X		X	X	X		
"	1330	Evap. Pond #4			-4										X		X	X	X		
"	1400	Evap. Pond #5			-5										X		X	X	X		
"	1430	Evap. Pond #6			-6										X		X	X	X		
"	1500	Evap. Pond #7			-7										X		X	X	X		
"	1530	Evap. Pond #8			-8										X		X	X	X		
		Trip Blank			-9																

Date:	Time:	Relinquished by:	Received by:	Date:	Time:	Relinquished by:	Received by:
9-10-08	1045	Steve Morris	[illegible signature]	9/10/08	1045		

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

E Coli Ponds 1-8

COVER LETTER

Thursday, September 18, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Quarterly OCD samples 3rd

Order No.: 0809167

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 8 sample(s) on 9/10/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809167**
Order: **08090265** **HAL03** Receipt: **09-10-08**

William P. Biava: President of Assalgai Analytical Laboratories, Inc.

Sample: ***0809167-01A EVAP POND*** [redacted]
Matrix: ***AQUEOUS***
Collected: *09-10-08 7:30:00* By: *SR6547*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-001A		EPA 1603						By: FAS		
EC08175	BT.2008.594.10		E. coli	[redacted]	CFU/100 ml	2	1		09-10-08	09-12-08

Sample: ***0809167-02 EVAP POND*** [redacted]
Matrix: ***AQUEOUS***
Collected: *09-10-08 7:45:00* By: *SR6548*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-002A		EPA 1603						By: FAS		
EC08175	BT.2008.594.11		E. coli	[redacted]	CFU/100 ml	100	1		09-10-08	09-12-08

Sample: ***0809167-03A EVAP POND*** [redacted]
Matrix: ***AQUEOUS***
Collected: *09-10-08 7:55:00* By: *SR6549*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-003A		EPA 1603						By: FAS		
EC08175	BT.2008.594.12		E. coli	[redacted]	CFU/100 ml	10	1		09-10-08	09-12-08

Report Date: *9/18/2008 1:19:37 PM*

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809167**
Order: **08090265** **HAL03** Receipt: **09-10-08**

Sample: ***0809167-04A EVAP POND #4*** Collected: *09-10-08 8:05:00* By:
Matrix: ***AQUEOUS*** *SR6551*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-004A		EPA 1603					By:	FAS		
EC08175	BT.2008.594.13		E. coli	[redacted]	CFU/100 ml	9	1		09-10-08	09-12-08

Sample: ***0809167-05A EVAP POND #5*** Collected: *09-10-08 8:15:00* By:
Matrix: ***AQUEOUS*** *SR6552*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-005A		EPA 1603					By:	FAS		
EC08175	BT.2008.594.14		E. coli	[redacted]	CFU/100 ml	9	1		09-10-08	09-12-08

Sample: ***0809167-06A EVAP POND #6*** Collected: *09-10-08 8:25:00* By:
Matrix: ***AQUEOUS*** *SR6553*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-006A		EPA 1603					By:	FAS		
EC08175	BT.2008.594.15		E. coli	[redacted]	CFU/100 ml	9	1		09-10-08	09-12-08

Sample: ***0809167-07A EVAP POND #7*** Collected: *09-10-08 8:35:00* By:
Matrix: ***AQUEOUS*** *SR6554*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-007A		EPA 1603					By:	FAS		
EC08175	BT.2008.594.16		E. coli	[redacted]	CFU/100 ml	2	1		09-10-08	09-12-08

Sample: ***0809167-08A EVAP POND #8*** Collected: *09-10-08 8:45:00* By:
Matrix: ***AQUEOUS*** *SR6555*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090265-008A		EPA 1603					By:	FAS		
EC08175	BT.2008.594.17		E. coli	[redacted]	CFU/100 ml	2	1		09-10-08	09-12-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**

Project: **0809167**

Order: **08090265** **HAL03** Receipt: **09-10-08**

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 9/10/2008

Work Order Number 0809167

Received by: AT

Sample ID labels checked by: AT (Initials)

Checklist completed by: _____ (Signature) 9/10/08 (Date)

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	

Container/Temp Blank temperature? *<6° C Acceptable* If given sufficient time to cool.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Company - Gallup
Address: I-40 Exit 39
Jamestown, NM 87347
Phone #: 505-722-3833
email or Fax#: 505-722-0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time: Page 2 of 2
☐ Standard ☐ Rush

Project Name: Quarterly OCD Samples 3Qtr. 2008
Project #:
Project Manager: Gaurav Rajen
Sampler: Steve Morris
On Ice: ☒ Yes ☐ No
Sample Temperature: 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0809167	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	E-coli Count				Air Bubbles (Y or N)
9-10-08	0730	Evap. Pond #1			-1												X				
"	0745	Evap. Pond #2			-2												X				
"	0755	Evap. Pond #3			-3												X				
"	0805	Evap. Pond #4			-4												X				
"	0815	Evap. Pond #5			-5												X				
"	0825	Evap. Pond #6			-6												X				
"	0835	Evap. Pond #7			-7												X				
"	0845	Evap. Pond #8			-8												X				

Date:	Time:	Relinquished by:	Received by:	
9-10-08	1045	Steve Morris	[signature]	9/10/08 1045
Date:	Time:	Relinquished by:	Received by:	

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, October 10, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0809521

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 9/25/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0809521	**Collection Date:**	9/23/2008 7:15:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	9/25/2008
Lab ID:	0809521-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	250		µg/L	1	9/30/2008
2-Chlorophenol	ND	250		µg/L	1	9/30/2008
2,4-Dichlorophenol	ND	500		µg/L	1	9/30/2008
2,4-Dimethylphenol	570	250		µg/L	1	9/30/2008
4,6-Dinitro-2-methylphenol	ND	500		µg/L	1	9/30/2008
2,4-Dinitrophenol	ND	500		µg/L	1	9/30/2008
2-Methylphenol	6300	1300		µg/L	5	9/30/2008
3+4-Methylphenol	11000	1300		µg/L	5	9/30/2008
2-Nitrophenol	ND	250		µg/L	1	9/30/2008
4-Nitrophenol	ND	250		µg/L	1	9/30/2008
Pentachlorophenol	ND	500		µg/L	1	9/30/2008
Phenol	18000	1300		µg/L	5	9/30/2008
2,4,5-Trichlorophenol	ND	250		µg/L	1	9/30/2008
2,4,6-Trichlorophenol	ND	250		µg/L	1	9/30/2008
Surr: 2,4,6-Tribromophenol	60.8	16.6-150		%REC	1	9/30/2008
Surr: 2-Fluorobiphenyl	86.1	19.6-134		%REC	1	9/30/2008
Surr: 2-Fluorophenol	39.1	9.54-113		%REC	1	9/30/2008
Surr: 4-Terphenyl-d14	44.2	22.7-145		%REC	1	9/30/2008
Surr: Nitrobenzene-d5	78.9	14.6-134		%REC	1	9/30/2008
Surr: Phenol-d5	17.2	10.7-80.3		%REC	1	9/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-Inlet
Lab Order:	0809521	**Collection Date:**	9/23/2008 7:25:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	9/25/2008
Lab ID:	0809521-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/30/2008
2-Chlorophenol	ND	100		µg/L	1	9/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/30/2008
2,4-Dimethylphenol	380	100		µg/L	1	9/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/30/2008
2-Methylphenol	6900	1000		µg/L	10	9/30/2008
3+4-Methylphenol	13000	1000		µg/L	10	9/30/2008
2-Nitrophenol	ND	100		µg/L	1	9/30/2008
4-Nitrophenol	ND	100		µg/L	1	9/30/2008
Pentachlorophenol	ND	200		µg/L	1	9/30/2008
Phenol	22000	1000		µg/L	10	9/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/30/2008
Surr: 2,4,6-Tribromophenol	78.2	16.6-150		%REC	1	9/30/2008
Surr: 2-Fluorobiphenyl	103	19.6-134		%REC	1	9/30/2008
Surr: 2-Fluorophenol	59.8	9.54-113		%REC	1	9/30/2008
Surr: 4-Terphenyl-d14	66.3	22.7-145		%REC	1	9/30/2008
Surr: Nitrobenzene-d5	82.4	14.6-134		%REC	1	9/30/2008
Surr: Phenol-d5	3.70	10.7-80.3	S	%REC	1	9/30/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0809521	**Collection Date:**	9/23/2008 7:45:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	9/25/2008
Lab ID:	0809521-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/30/2008
2-Chlorophenol	ND	100		µg/L	1	9/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/30/2008
2,4-Dimethylphenol	260	100		µg/L	1	9/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/30/2008
2-Methylphenol	3700	1000		µg/L	10	9/30/2008
3+4-Methylphenol	6200	1000		µg/L	10	9/30/2008
2-Nitrophenol	ND	100		µg/L	1	9/30/2008
4-Nitrophenol	ND	100		µg/L	1	9/30/2008
Pentachlorophenol	ND	200		µg/L	1	9/30/2008
Phenol	2400	1000		µg/L	10	9/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/30/2008
Surr: 2,4,6-Tribromophenol	54.9	16.6-150		%REC	1	9/30/2008
Surr: 2-Fluorobiphenyl	74.4	19.6-134		%REC	1	9/30/2008
Surr: 2-Fluorophenol	42.1	9.54-113		%REC	1	9/30/2008
Surr: 4-Terphenyl-d14	30.4	22.7-145		%REC	1	9/30/2008
Surr: Nitrobenzene-d5	47.1	14.6-134		%REC	1	9/30/2008
Surr: Phenol-d5	33.7	10.7-80.3		%REC	1	9/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	Analyte Detected In Method Blank
E	Result Is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809521**
Order: **08090676 HAL03** Receipt: **09-25-08**

William P. Blava: President of Assalgai Analytical Laboratories, Inc.

Sample: ***0809521-01B AL-1*** Collected: *09-23-08 7:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-001A		EPA 410.1 Chemical Oxygen Demand						By: FAS		
WCOD08038	WC.2008.2522.14	C-004	Chemical Oxygen Demand	4620	mg/L	10	10		10-09-08	10-10-08

Sample: ***0809521-01C AL-1*** Collected: *09-23-08 7:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-002A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08113	WC.2008.2474.10	10-26-4	Biochemical Oxygen Demand	> 2460	mg/L	1	2	H	09-26-08	10-01-08

Sample: *0809521-02B AL-2-INLET* Collected: *09-23-08 7:25:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-003A		EPA 410.1 Chemical Oxygen Demand						By: FAS		
WCOD08038	WC.2008.2522.15	C-004	Chemical Oxygen Demand	2820	mg/L	10	10		10-09-08	10-10-08

STANDARD

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809521**
Order: **08090676** **HAL03** Receipt: **09-25-08**

Sample: ***0809521-02C AL-2-INLET*** Collected: *09-23-08 7:25:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-004A		**EPA 405.1 Biochemical Oxygen Demand**					By:	SRM		
BOD08113	WC.2008.2474.11	10-26-4	Biochemical Oxygen Demand	872	mg/L	1	2	H	09-26-08	10-01-08

Sample: ***0809521-03B EP-1 INLET*** Collected: *09-23-08 7:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-005A		**EPA 410.1 Chemical Oxygen Demand**					By:	FAS		
WCOD08038	WC.2008.2522.16	C-004	Chemical Oxygen Demand	2310	mg/L	10	10		10-09-08	10-10-08

Sample: ***0809521-03C EP-1 INLET*** Collected: *09-23-08 7:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-006A		**EPA 405.1 Biochemical Oxygen Demand**					By:	SRM		
BOD08113	WC.2008.2474.12	10-26-4	Biochemical Oxygen Demand	755	mg/L	1	2	H	09-26-08	10-01-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1

Work Order: 0809521

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17208		*MBLK*			Batch ID:	17208	Analysis Date:		9/30/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17208		*LCS*			Batch ID:	17208	Analysis Date:		9/30/2008
4-Chloro-3-methylphenol	148.1	µg/L	10	74.1	15.4	119			
2-Chlorophenol	132.3	µg/L	10	66.1	12.2	122			
4-Nitrophenol	91.98	µg/L	10	46.0	12.5	87.4			
Pentachlorophenol	122.2	µg/L	20	57.7	3.55	114			
Phenol	84.40	µg/L	10	42.2	7.53	73.1			
Sample ID: lcsd-17208		*LCSD*			Batch ID:	17208	Analysis Date:		9/30/2008
4-Chloro-3-methylphenol	125.2	µg/L	10	62.6	15.4	119	16.7	28.6	
2-Chlorophenol	107.5	µg/L	10	53.7	12.2	122	20.7	107	
4-Nitrophenol	74.80	µg/L	10	37.4	12.5	87.4	20.6	36.3	
Pentachlorophenol	108.8	µg/L	20	50.9	3.55	114	11.7	49	
Phenol	68.32	µg/L	10	34.2	7.53	73.1	21.1	52.4	

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 9/25/2008

Work Order Number 0809521

Received by: ARS

Sample ID labels checked by: AT
Initials

Checklist completed by: Signature 9/25/08 Date

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	2°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action

Chain-of-Custody Record

Client: WESTERN - REFINING
Gallup Refinery
Address: RT 3 Box 9
Gallup NM 87301
Phone #: 505 722 3227
email or Fax#: 505 722 3833
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush

Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAV RAJEN
Sampler: A. DORSEY
On Ice: ☑ Yes ☐ No
Sample Temperature: 9.4

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0809521	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
09/23/08	0715	AL-1 Inlet	1-1000mL		-1												X				
09/23/08	0715	AL-1 Inlet	1-500mL	H_2SO_4	-1													X			
09/23/08	0715	AL-1 Inlet	1-liter		-1														X		
09/23/08	0725	AL-2-Inlet	1-1000mL		-2												X				
09/23/08	0725	AL-2-Inlet	1/500mL	H_2SO_4	-2													X			
09/23/08	0725	AL-2-Inlet	1-liter		-2														X		
09/23/08	0745	EP-1 Inlet	1-1000mL		-3												X				
09/23/08	0745	EP-1 Inlet	1-500mL	H_2SO_4	-3													X			
09/23/08	0745	EP-1 Inlet	1-liter		-3														X		

Date:	Time:	Relinquished by:	Received by:	Remarks:
09/23/08			10:25 9/25/08	
Date:	Time:	Relinquished by:	Received by:	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Friday, October 10, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0809521

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 9/25/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0809521	**Collection Date:**	9/23/2008 7:15:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	9/25/2008
Lab ID:	0809521-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	250		µg/L	1	9/30/2008
2-Chlorophenol	ND	250		µg/L	1	9/30/2008
2,4-Dichlorophenol	ND	500		µg/L	1	9/30/2008
2,4-Dimethylphenol	570	250		µg/L	1	9/30/2008
4,6-Dinitro-2-methylphenol	ND	500		µg/L	1	9/30/2008
2,4-Dinitrophenol	ND	500		µg/L	1	9/30/2008
2-Methylphenol	6300	1300		µg/L	5	9/30/2008
3+4-Methylphenol	11000	1300		µg/L	5	9/30/2008
2-Nitrophenol	ND	250		µg/L	1	9/30/2008
4-Nitrophenol	ND	250		µg/L	1	9/30/2008
Pentachlorophenol	ND	500		µg/L	1	9/30/2008
Phenol	18000	1300		µg/L	5	9/30/2008
2,4,5-Trichlorophenol	ND	250		µg/L	1	9/30/2008
2,4,6-Trichlorophenol	ND	250		µg/L	1	9/30/2008
Surr: 2,4,6-Tribromophenol	60.8	16.6-150		%REC	1	9/30/2008
Surr: 2-Fluorobiphenyl	86.1	19.6-134		%REC	1	9/30/2008
Surr: 2-Fluorophenol	39.1	9.54-113		%REC	1	9/30/2008
Surr: 4-Terphenyl-d14	44.2	22.7-145		%REC	1	9/30/2008
Surr: Nitrobenzene-d5	78.9	14.6-134		%REC	1	9/30/2008
Surr: Phenol-d5	17.2	10.7-80.3		%REC	1	9/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-Inlet
Lab Order:	0809521	**Collection Date:**	9/23/2008 7:25:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	9/25/2008
Lab ID:	0809521-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/30/2008
2-Chlorophenol	ND	100		µg/L	1	9/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/30/2008
2,4-Dimethylphenol	380	100		µg/L	1	9/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/30/2008
2-Methylphenol	6900	1000		µg/L	10	9/30/2008
3+4-Methylphenol	13000	1000		µg/L	10	9/30/2008
2-Nitrophenol	ND	100		µg/L	1	9/30/2008
4-Nitrophenol	ND	100		µg/L	1	9/30/2008
Pentachlorophenol	ND	200		µg/L	1	9/30/2008
Phenol	22000	1000		µg/L	10	9/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/30/2008
Surr: 2,4,6-Tribromophenol	78.2	16.6-150		%REC	1	9/30/2008
Surr: 2-Fluorobiphenyl	103	19.6-134		%REC	1	9/30/2008
Surr: 2-Fluorophenol	59.8	9.54-113		%REC	1	9/30/2008
Surr: 4-Terphenyl-d14	66.3	22.7-145		%REC	1	9/30/2008
Surr: Nitrobenzene-d5	82.4	14.6-134		%REC	1	9/30/2008
Surr: Phenol-d5	3.70	10.7-80.3	S	%REC	1	9/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *10-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0809521	**Collection Date:**	9/23/2008 7:45:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	9/25/2008
Lab ID:	0809521-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	9/30/2008
2-Chlorophenol	ND	100		µg/L	1	9/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	9/30/2008
2,4-Dimethylphenol	260	100		µg/L	1	9/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	9/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	9/30/2008
2-Methylphenol	3700	1000		µg/L	10	9/30/2008
3+4-Methylphenol	6200	1000		µg/L	10	9/30/2008
2-Nitrophenol	ND	100		µg/L	1	9/30/2008
4-Nitrophenol	ND	100		µg/L	1	9/30/2008
Pentachlorophenol	ND	200		µg/L	1	9/30/2008
Phenol	2400	1000		µg/L	10	9/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	9/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	9/30/2008
Surr: 2,4,6-Tribromophenol	54.9	16.6-150		%REC	1	9/30/2008
Surr: 2-Fluorobiphenyl	74.4	19.6-134		%REC	1	9/30/2008
Surr: 2-Fluorophenol	42.1	9.54-113		%REC	1	9/30/2008
Surr: 4-Terphenyl-d14	30.4	22.7-145		%REC	1	9/30/2008
Surr: Nitrobenzene-d5	47.1	14.6-134		%REC	1	9/30/2008
Surr: Phenol-d5	33.7	10.7-80.3		%REC	1	9/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result Is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809521**
Order: **08090676** **HAL03** Receipt: **09-25-08**

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0809521-01B AL-1*** Collected: *09-23-08 7:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-001A		**EPA 410.1 Chemical Oxygen Demand**						By: FAS		
WCOD08038	WC.2008.2522.14	C-004	Chemical Oxygen Demand	4620	mg/L	10	10		10-09-08	10-10-08

Sample: ***0809521-01C AL-1*** Collected: *09-23-08 7:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-002A		**EPA 405.1 Biochemical Oxygen Demand**						By: SRM		
BOD08113	WC.2008.2474.10	10-26-4	Biochemical Oxygen Demand	> 2460	mg/L	1	2	H	09-26-08	10-01-08

Sample: ***0809521-02B AL-2-INLET*** Collected: *09-23-08 7:25:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-003A		**EPA 410.1 Chemical Oxygen Demand**						By: FAS		
WCOD08038	WC.2008.2522.15	C-004	Chemical Oxygen Demand	2820	mg/L	10	10		10-09-08	10-10-08

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0809521**
Order: **08090676** **HAL03** Receipt: **09-25-08**

Sample: ***0809521-02C AL-2-INLET*** Collected: *09-23-08 7:25:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-004A		**EPA 405.1 Biochemical Oxygen Demand**						By: SRM		
BOD08113	WC.2008.2474.11	10-26-4	Biochemical Oxygen Demand	872	mg/L	1	2	H	09-26-08	10-01-08

Sample: ***0809521-03B EP-1 INLET*** Collected: *09-23-08 7:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-005A		**EPA 410.1 Chemical Oxygen Demand**						By: FAS		
WCOD08038	WC.2008.2522.16	C-004	Chemical Oxygen Demand	2310	mg/L	10	10		10-09-08	10-10-08

Sample: ***0809521-03C EP-1 INLET*** Collected: *09-23-08 7:45:00* By:
Matrix: ***AQUEOUS***

Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08090676-006A		**EPA 405.1 Biochemical Oxygen Demand**						By: SRM		
BOD08113	WC.2008.2474.12	10-26-4	Biochemical Oxygen Demand	755	mg/L	1	2	H	09-26-08	10-01-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1

Work Order: 0809521

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17208		*MBLK*			Batch ID:	**17208**	Analysis Date:		9/30/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17208		*LCS*			Batch ID:	**17208**	Analysis Date:		9/30/2008
4-Chloro-3-methylphenol	148.1	µg/L	10	74.1	15.4	119			
2-Chlorophenol	132.3	µg/L	10	66.1	12.2	122			
4-Nitrophenol	91.98	µg/L	10	46.0	12.5	87.4			
ntachlorophenol	122.2	µg/L	20	57.7	3.55	114			
Phenol	84.40	µg/L	10	42.2	7.53	73.1			
Sample ID: lcsd-17208		*LCSD*			Batch ID:	**17208**	Analysis Date:		9/30/2008
4-Chloro-3-methylphenol	125.2	µg/L	10	62.6	15.4	119	16.7	28.6	
2-Chlorophenol	107.5	µg/L	10	53.7	12.2	122	20.7	107	
4-Nitrophenol	74.80	µg/L	10	37.4	12.5	87.4	20.6	36.3	
Pentachlorophenol	108.8	µg/L	20	50.9	3.55	114	11.7	49	
Phenol	68.32	µg/L	10	34.2	7.53	73.1	21.1	52.4	

Qualifiers:

E Value above quantitation range
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 9/25/2008

Work Order Number 0809521

Received by: ARS

Sample ID labels checked by: AT (Initials)

Checklist completed by: Signature 9/25/08 Date

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
ter - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
vater - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	2°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN - REFINING
Gallup Refinery
Address: RT 3 Box 9
Gallup NM 87301
Phone #: 505 722 3227
email or Fax#: 505 722 3833
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush
Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAV RAJEN
Sampler: A. DORSEY
On Ice: ☑ Yes ☐ No
Sample Temperature: 2°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0809521	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
09/23/08	0715	AL-1 INLET	1-1000mL		-1												X				
09/23/08	0715	AL-1 INLET	1-500mL	H_2SO_4	-1													X			
09/23/08	0715	AL-1 INLET	1-liter		-1														X		
09/23/08	0725	AL-2-INLET	1-1000mL		-2												X				
09/23/08	0725	AL-2-INLET	1/500mL	H_2SO_4	-2													X			
09/23/08	0725	AL-2-INLET	1-liter		-2														X		
09/23/08	0745	EP-1 INLET	1-1000mL		-3												X				
09/23/08	0745	EP-1 INLET	1-500mL	H_2SO_4	-3													X			
09/23/08	0745	EP-1 INLET	1-liter		-3														X		

Date:	Time:	Relinquished by:	Received by:
09/23/08			
Date:	Time:	Relinquished by:	Received by: 10:25 9/25/08

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Napis 1-2

COVER LETTER

Friday, October 17, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: NAPIS

Order No.: 0810065

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 2 sample(s) on 10/3/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0810065	**Collection Date:**	9/30/2008 2:00:00 PM
Project:	NAPIS	**Date Received:**	10/3/2008
Lab ID:	0810065-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	10/7/2008
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	10/7/2008
Surr: DNOP	105	58-140		%REC	1	10/7/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	10/13/2008 4:55:44 PM
Surr: BFB	85.4	59.9-122		%REC	1	10/13/2008 4:55:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: DAM
Benzene	ND	1.0		µg/L	1	10/13/2008 4:55:44 PM
Toluene	ND	1.0		µg/L	1	10/13/2008 4:55:44 PM
Ethylbenzene	ND	1.0		µg/L	1	10/13/2008 4:55:44 PM
Xylenes, Total	ND	2.0		µg/L	1	10/13/2008 4:55:44 PM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	10/13/2008 4:55:44 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/13/2008 4:55:44 PM
Surr: 4-Bromofluorobenzene	96.5	65.9-130		%REC	1	10/13/2008 4:55:44 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *17-Oct-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0810065	**Collection Date:**	9/30/2008 2:25:00 PM
Project:	NAPIS	**Date Received:**	10/3/2008
Lab ID:	0810065-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	3.9	1.0		mg/L	1	10/7/2008
Motor Oil Range Organics (MRO)	7.7	5.0		mg/L	1	10/7/2008
Surr: DNOP	112	58-140		%REC	1	10/7/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.45	0.050		mg/L	1	10/13/2008 5:25:59 PM
Surr: BFB	120	59.9-122		%REC	1	10/13/2008 5:25:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Benzene	16	1.0		µg/L	1	10/13/2008 5:25:59 PM
Toluene	ND	1.0		µg/L	1	10/13/2008 5:25:59 PM
Ethylbenzene	1.6	1.0		µg/L	1	10/13/2008 5:25:59 PM
Xylenes, Total	4.1	2.0		µg/L	1	10/13/2008 5:25:59 PM
1,2,4-Trimethylbenzene	10	1.0		µg/L	1	10/13/2008 5:25:59 PM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	10/13/2008 5:25:59 PM
Surr: 4-Bromofluorobenzene	117	65.9-130		%REC	1	10/13/2008 5:25:59 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

ENVIRONMENTAL
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Mt. Juliet, TN 37122
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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Andy Freeman
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

October 14, 2008

Date Received : October 07, 2008
Description :

ESC Sample # : L368557-01

Sample ID : NAPIS-1

Site ID :

Collected By :
Collection Date : 09/30/08 14:00

Project # : 0810065

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	10/09/08	1
Arsenic	BDL	0.020	mg/l	6010B	10/10/08	1
Barium	0.17	0.0050	mg/l	6010B	10/10/08	1
Cadmium	BDL	0.0050	mg/l	6010B	10/10/08	1
Chromium	BDL	0.010	mg/l	6010B	10/10/08	1
Lead	BDL	0.0050	mg/l	6010B	10/10/08	1
Selenium	0.050	0.020	mg/l	6010B	10/14/08	1
Silver	BDL	0.010	mg/l	6010B	10/10/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/14/08 15:08 Printed: 10/14/08 15:09

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

Andy Freeman
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

October 14, 2008

Date Received : October 07, 2008
Description :

ESC Sample # : L368557-02

Sample ID : NAPIS-1

Site ID :

Collected By :
Collection Date : 09/30/08 14:00

Project # : 0810065

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
COD	26.	20.	mg/l	410.4	10/10/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 10/14/08 15:08 Printed: 10/14/08 15:09

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REPORT OF ANALYSIS

Andy Freeman
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

October 14, 2008

Date Received : October 07, 2008
Description :

ESC Sample # : L368557-03

Sample ID : NAPIS-2

Site ID :

Collected By :
Collection Date : 09/30/08 14:25

Project # : 0810065

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
COD	92.	20.	mg/l	410.4	10/10/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/14/08 15:08 Printed: 10/14/08 15:09

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: NAPIS
Work Order: 0810065

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-17284		*MBLK*			Batch ID:	**17284**	Analysis Date:		10/7/2008
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-17284		*LCS*			Batch ID:	**17284**	Analysis Date:		10/7/2008
Diesel Range Organics (DRO)	6.168	mg/L	1.0	123	74	157			
Sample ID: LCSD-17284		*LCSD*			Batch ID:	**17284**	Analysis Date:		10/7/2008
Diesel Range Organics (DRO)	6.371	mg/L	1.0	127	74	157	3.23	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: B		*MBLK*			Batch ID:	**R30669**	Analysis Date:		10/13/2008 9:15:56 AM
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R30669**	Analysis Date:		10/13/2008 7:57:41 PM
Gasoline Range Organics (GRO)	0.5322	mg/L	0.050	106	80	115			
Method: EPA Method 8021B: Volatiles									
Sample ID: B		*MBLK*			Batch ID:	**R30669**	Analysis Date:		10/13/2008 9:15:56 AM
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
[illegible]ne	ND	µg/L	1.0						
[illegible]benzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R30669**	Analysis Date:		10/13/2008 8:28:10 PM
Methyl tert-butyl ether (MTBE)	26.55	µg/L	2.5	133	51.2	138			
Benzene	20.06	µg/L	1.0	100	85.9	113			
Toluene	21.07	µg/L	1.0	105	86.4	113			
Ethylbenzene	20.74	µg/L	1.0	104	83.5	118			
Xylenes, Total	63.21	µg/L	2.0	105	83.4	122			
1,2,4-Trimethylbenzene	24.00	µg/L	1.0	120	83.5	115			S
1,3,5-Trimethylbenzene	22.42	µg/L	1.0	112	85.2	113			
Method: EPA Method 8260: Volatiles Short List									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30681**	Analysis Date:		10/14/2008 9:45:36 AM
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R30681**	Analysis Date:		10/14/2008 9:45:36 AM
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						

Qualifiers:

E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 10/3/2008

Work Order Number 0810065

Received by: ARS

Sample ID labels checked by: AT
Initials

Checklist completed by: [signature] 10/3/08
Signature Date

Matrix: Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
samples received within holding time?	Yes ☑	No ☐		
ater - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

orrective Action _____

Chain-of-Custody Record

Client: WESTERN-REFINING
Gallup Refinery
Address: RT 3 BOX 9
GALLUP NM 87301
Phone #: 505722 3227
email or Fax#: 5057223837
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☑ Standard ☐ Rush
Project Name: NAPIS
Project #: NAPIS1 NAPIS 2 NAPIS 3
Project Manager: GAURAV RAJEN
Sampler: A DORSEY
On Ice: ☑ Yes ☐ No
Sample Temperature: 4°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0810065	BTEX + MTBE + TMB's (8021)B	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel) GRO DRO	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	COD	6010C RCRA METALS			Air Bubbles (Y or N)
9/30/08	2:00	NAPIS-1	1-500mL	H_2SO_4	-1												X				
9/30/08	2:00	NAPIS-1	1-500mL	HNO_3	-1													X			
9/30/08	2:00	NAPIS-1	3-40mL	HCl	-1-A	X															
9/30/08	2:00	NAPIS-1	3-40mL	HCL	-1-A			X													
9/30/08	2:25	NAPIS-2	1-500mL	H_2SO_4	-2-B												X				
9/30/08	2:25	NAPIS-2	3-40mL	HCL	-2-B	X															
9/30/08	2:25	NAPIS-2	3-40mL	HCL	-2-B			X													
					AT 10/3/08																

Date:	Time:	Relinquished by:	Received by:
9/30/08			9:10 10/3/08
Date:	Time:	Relinquished by:	Received by:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, November 06, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0810318

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 10/16/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Nov-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0810318	**Collection Date:**	10/14/2008 2:00:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	10/16/2008
Lab ID:	0810318-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	500		µg/L	1	10/24/2008
2-Chlorophenol	ND	500		µg/L	1	10/24/2008
2,4-Dichlorophenol	ND	1000		µg/L	1	10/24/2008
2,4-Dimethylphenol	ND	500		µg/L	1	10/24/2008
4,6-Dinitro-2-methylphenol	ND	1000		µg/L	1	10/24/2008
2,4-Dinitrophenol	ND	1000		µg/L	1	10/24/2008
2-Methylphenol	ND	500		µg/L	1	10/24/2008
3+4-Methylphenol	840	500		µg/L	1	10/24/2008
2-Nitrophenol	ND	500		µg/L	1	10/24/2008
4-Nitrophenol	ND	500		µg/L	1	10/24/2008
Pentachlorophenol	ND	1000		µg/L	1	10/24/2008
Phenol	1200	500		µg/L	1	10/24/2008
2,4,5-Trichlorophenol	ND	500		µg/L	1	10/24/2008
2,4,6-Trichlorophenol	ND	500		µg/L	1	10/24/2008
Surr: 2,4,6-Tribromophenol	46.7	16.6-150		%REC	1	10/24/2008
Surr: 2-Fluorobiphenyl	83.5	19.6-134		%REC	1	10/24/2008
Surr: 2-Fluorophenol	44.4	9.54-113		%REC	1	10/24/2008
Surr: 4-Terphenyl-d14	58.7	22.7-145		%REC	1	10/24/2008
Surr: Nitrobenzene-d5	72.8	14.6-134		%REC	1	10/24/2008
Surr: Phenol-d5	44.6	10.7-80.3		%REC	1	10/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Nov-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-Inlet
Lab Order:	0810318	**Collection Date:**	10/14/2008 2:20:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	10/16/2008
Lab ID:	0810318-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	10/24/2008
2-Chlorophenol	ND	100		µg/L	1	10/24/2008
2,4-Dichlorophenol	ND	200		µg/L	1	10/24/2008
2,4-Dimethylphenol	130	100		µg/L	1	10/24/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	10/24/2008
2,4-Dinitrophenol	ND	200		µg/L	1	10/24/2008
2-Methylphenol	2400	500		µg/L	5	10/24/2008
3+4-Methylphenol	4400	500		µg/L	5	10/24/2008
2-Nitrophenol	ND	100		µg/L	1	10/24/2008
4-Nitrophenol	ND	100		µg/L	1	10/24/2008
Pentachlorophenol	ND	200		µg/L	1	10/24/2008
Phenol	12000	500		µg/L	5	10/24/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	10/24/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	10/24/2008
Surr: 2,4,6-Tribromophenol	87.3	16.6-150		%REC	1	10/24/2008
Surr: 2-Fluorobiphenyl	82.1	19.6-134		%REC	1	10/24/2008
Surr: 2-Fluorophenol	57.9	9.54-113		%REC	1	10/24/2008
Surr: 4-Terphenyl-d14	61.0	22.7-145		%REC	1	10/24/2008
Surr: Nitrobenzene-d5	86.5	14.6-134		%REC	1	10/24/2008
Surr: Phenol-d5	34.2	10.7-80.3		%REC	1	10/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Nov-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0810318	**Collection Date:**	10/14/2008 2:50:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	10/16/2008
Lab ID:	0810318-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	10/24/2008
2-Chlorophenol	ND	100		µg/L	1	10/24/2008
2,4-Dichlorophenol	ND	200		µg/L	1	10/24/2008
2,4-Dimethylphenol	150	100		µg/L	1	10/24/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	10/24/2008
2,4-Dinitrophenol	ND	200		µg/L	1	10/24/2008
2-Methylphenol	3200	500		µg/L	5	10/24/2008
3+4-Methylphenol	6000	500		µg/L	5	10/24/2008
2-Nitrophenol	ND	100		µg/L	1	10/24/2008
4-Nitrophenol	ND	100		µg/L	1	10/24/2008
Pentachlorophenol	ND	200		µg/L	1	10/24/2008
Phenol	17000	1000		µg/L	10	10/27/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	10/24/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	10/24/2008
Surr: 2,4,6-Tribromophenol	104	16.6-150		%REC	1	10/24/2008
Surr: 2-Fluorobiphenyl	77.1	19.6-134		%REC	1	10/24/2008
Surr: 2-Fluorophenol	55.1	9.54-113		%REC	1	10/24/2008
Surr: 4-Terphenyl-d14	66.2	22.7-145		%REC	1	10/24/2008
Surr: Nitrobenzene-d5	73.0	14.6-134		%REC	1	10/24/2008
Surr: Phenol-d5	53.6	10.7-80.3		%REC	1	10/24/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
P.O. Box 90430 • Albuquerque, New Mexico 87199 • (800) 447-0327

Explanation of codes	
B	Analyte Detected In Method Blank
E	Result Is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0810318
Order: 08100401 HAL03 Receipt: 10-16-08

Tamara Pacheco for
William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0810318-01B AL-1 INLET* Collected: *10-14-08 14:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-001A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08041	WC.2008.2729.12	C-004	Chemical Oxygen Demand	3080	mg/L	10	10		10-29-08	10-30-08

Sample: *0810318-01C AL-1 INLET* Collected: *10-14-08 14:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-002A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08121	WC.2008.2659.10	10-20-4	Biochemical Oxygen Demand	1665	mg/L	1	2	1	10-16-08	10-21-08

Sample: *0810318-02B AL-2 INLET* Collected: *10-14-08 14:20:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-003A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08041	WC.2008.2729.13	C-004	Chemical Oxygen Demand	4620	mg/L	10	10		10-29-08	10-30-08

Report Date: 10/31/2008 12:35:25 PM

REPRODUCTION OF THIS REPORT IN LESS THAN FULL REQUIRES THE WRITTEN CONSENT OF AAL.
THIS REPORT MAY NOT BE USED IN ANY MANNER BY THE CLIENT OR ANY OTHER THIRD PARTY TO CLAIM PRODUCT ENDORSEMENT BY THE NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM.

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0810318
Order: 08100401 HAL03 Receipt: 10-16-08

Sample: *0810318-02C AL-2 INLET* Collected: *10-14-08 14:20:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-004A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08121	WC.2008.2659.21	10-26-4	Biochemical Oxygen Demand	1032	mg/L	1	2	1	10-16-08	10-21-08

Sample: *0810318-03B EP-1 INLET* Collected: *10-14-08 14:50:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-005A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08041	WC.2008.2729.14	C-004	Chemical Oxygen Demand	2420	mg/L	10	10		10-29-08	10-30-08

Sample: *0810318-03C EP-1 INLET* Collected: *10-14-08 14:50:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-006A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08121	WC.2008.2659.22	10-26-4	Biochemical Oxygen Demand	2058	mg/L	1	2	1	10-16-08	10-21-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

1 LCS out of QA/QC criteria due to seasonal interference all other QC results were within range, validating the system performance. All results are valid as reported.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1
Work Order: 0810318

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17392		*MBLK*			Batch ID:	17392	Analysis Date:		10/23/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17392		*LCS*			Batch ID:	17392	Analysis Date:		10/23/2008
4-Chloro-3-methylphenol	159.4	µg/L	10	79.7	15.4	119			
2-Chlorophenol	114.2	µg/L	10	57.1	12.2	122			
4-Nitrophenol	28.70	µg/L	10	14.4	12.5	87.4			
Pentachlorophenol	37.24	µg/L	20	18.6	3.55	114			
Phenol	101.8	µg/L	10	50.9	7.53	73.1			
Sample ID: lcsd-17392		*LCSD*			Batch ID:	17392	Analysis Date:		10/23/2008
4-Chloro-3-methylphenol	166.3	µg/L	10	83.2	15.4	119	4.24	28.6	
2-Chlorophenol	120.7	µg/L	10	60.4	12.2	122	5.50	107	
4-Nitrophenol	28.18	µg/L	10	14.1	12.5	87.4	1.83	36.3	
Pentachlorophenol	37.00	µg/L	20	18.5	3.55	114	0.647	49	
Phenol	109.5	µg/L	10	54.7	7.53	73.1	7.29	52.4	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 10/16/2008

Work Order Number 0810318

Received by: ARS

Sample ID labels checked by: Initials

Checklist completed by: Signature Date 10/16/08

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action

Chain-of-Custody Record

Client: WESTERN - REFINING
GALLUP REFINERY
Address: RT 3 BOX 9
GALLUP NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAV, RAJEN
Sampler: A. DORSEY /RAJ
On Ice: ☐ Yes ☐ No
Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0810318	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
10-14-08	1400	AL-1 INLET	1-1000 mL		1												X				
10-14-08	1400	AL-1 INLET	1-500 mL	H_2SO_4	1													X			
10-14-08	1400	AL-1 INLET	1-liter		1														X		
10-14-08	1420	AL-2 INLET	1-1000 mL		2												X				
10-14-08	1420	AL-2 INLET	1-500 mL	H_2SO_4	2													X			
10-14-08	1420	AL-2 INLET	1-liter		2														X		
10-14-08	1450	EP-1 INLET	1-1000 mL		3												X				
10-14-08	1450	EP-1 INLET	1-500 mL	H_2SO_4	3													X			
10-14-08	1450	EP-1 INLET	1-liter		3														X		

Date:	Time:	Relinquished by:	Received by:
10-14-08			9:25 10/16/08
Date:	Time:	Relinquished by:	Received by:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Thursday, November 06, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0810318

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 10/16/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH
nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Nov-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0810318
Project: AL-1, AL-2, EP-1
Lab ID: 0810318-01

Client Sample ID: AL-1 Inlet
Collection Date: 10/14/2008 2:00:00 PM
Date Received: 10/16/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	500		µg/L	1	10/24/2008
2-Chlorophenol	ND	500		µg/L	1	10/24/2008
2,4-Dichlorophenol	ND	1000		µg/L	1	10/24/2008
2,4-Dimethylphenol	ND	500		µg/L	1	10/24/2008
4,6-Dinitro-2-methylphenol	ND	1000		µg/L	1	10/24/2008
2,4-Dinitrophenol	ND	1000		µg/L	1	10/24/2008
2-Methylphenol	ND	500		µg/L	1	10/24/2008
3+4-Methylphenol	840	500		µg/L	1	10/24/2008
2-Nitrophenol	ND	500		µg/L	1	10/24/2008
4-Nitrophenol	ND	500		µg/L	1	10/24/2008
Pentachlorophenol	ND	1000		µg/L	1	10/24/2008
Phenol	1200	500		µg/L	1	10/24/2008
2,4,5-Trichlorophenol	ND	500		µg/L	1	10/24/2008
2,4,6-Trichlorophenol	ND	500		µg/L	1	10/24/2008
Surr: 2,4,6-Tribromophenol	46.7	16.6-150		%REC	1	10/24/2008
Surr: 2-Fluorobiphenyl	83.5	19.6-134		%REC	1	10/24/2008
Surr: 2-Fluorophenol	44.4	9.54-113		%REC	1	10/24/2008
Surr: 4-Terphenyl-d14	58.7	22.7-145		%REC	1	10/24/2008
Surr: Nitrobenzene-d5	72.8	14.6-134		%REC	1	10/24/2008
Surr: Phenol-d5	44.6	10.7-80.3		%REC	1	10/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Nov-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0810318
Project: AL-1, AL-2, EP-1
Lab ID: 0810318-02

Client Sample ID: AL-2-Inlet
Collection Date: 10/14/2008 2:20:00 PM
Date Received: 10/16/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	10/24/2008
2-Chlorophenol	ND	100		µg/L	1	10/24/2008
2,4-Dichlorophenol	ND	200		µg/L	1	10/24/2008
2,4-Dimethylphenol	130	100		µg/L	1	10/24/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	10/24/2008
2,4-Dinitrophenol	ND	200		µg/L	1	10/24/2008
2-Methylphenol	2400	500		µg/L	5	10/24/2008
3+4-Methylphenol	4400	500		µg/L	5	10/24/2008
2-Nitrophenol	ND	100		µg/L	1	10/24/2008
4-Nitrophenol	ND	100		µg/L	1	10/24/2008
Pentachlorophenol	ND	200		µg/L	1	10/24/2008
Phenol	12000	500		µg/L	5	10/24/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	10/24/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	10/24/2008
Surr: 2,4,6-Tribromophenol	87.3	16.6-150		%REC	1	10/24/2008
Surr: 2-Fluorobiphenyl	82.1	19.6-134		%REC	1	10/24/2008
Surr: 2-Fluorophenol	57.9	9.54-113		%REC	1	10/24/2008
Surr: 4-Terphenyl-d14	61.0	22.7-145		%REC	1	10/24/2008
Surr: Nitrobenzene-d5	86.5	14.6-134		%REC	1	10/24/2008
Surr: Phenol-d5	34.2	10.7-80.3		%REC	1	10/24/2008

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *06-Nov-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0810318	**Collection Date:**	10/14/2008 2:50:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	10/16/2008
Lab ID:	0810318-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloro-3-methylphenol	ND	100		µg/L	1	10/24/2008
2-Chlorophenol	ND	100		µg/L	1	10/24/2008
2,4-Dichlorophenol	ND	200		µg/L	1	10/24/2008
2,4-Dimethylphenol	150	100		µg/L	1	10/24/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	10/24/2008
2,4-Dinitrophenol	ND	200		µg/L	1	10/24/2008
2-Methylphenol	3200	500		µg/L	5	10/24/2008
3+4-Methylphenol	6000	500		µg/L	5	10/24/2008
2-Nitrophenol	ND	100		µg/L	1	10/24/2008
4-Nitrophenol	ND	100		µg/L	1	10/24/2008
Pentachlorophenol	ND	200		µg/L	1	10/24/2008
Phenol	17000	1000		µg/L	10	10/27/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	10/24/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	10/24/2008
Surr: 2,4,6-Tribromophenol	104	16.6-150		%REC	1	10/24/2008
Surr: 2-Fluorobiphenyl	77.1	19.6-134		%REC	1	10/24/2008
Surr: 2-Fluorophenol	55.1	9.54-113		%REC	1	10/24/2008
Surr: 4-Terphenyl-d14	66.2	22.7-145		%REC	1	10/24/2008
Surr: Nitrobenzene-d5	73.0	14.6-134		%REC	1	10/24/2008
Surr: Phenol-d5	53.6	10.7-80.3		%REC	1	10/24/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
P.O. Box 90430 • Albuquerque, New Mexico 87199 • (800) 447-0327

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0810318
Order: 08100401 HAL03 Receipt: 10-16-08

Tamara Pacheco for
William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0810318-01B AL-1 INLET* Collected: *10-14-08 14:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-001A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08041	WC.2008.2729.12	C-004	Chemical Oxygen Demand	3080	mg/L	10	10		10-29-08	10-30-08

Sample: *0810318-01C AL-1 INLET* Collected: *10-14-08 14:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-002A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08121	WC.2008.2659.19	10-26-4	Biochemical Oxygen Demand	1665	mg/L	1	2	1	10-16-08	10-21-08

Sample: *0810318-02B AL-2 INLET* Collected: *10-14-08 14:20:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-003A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08041	WC.2008.2729.13	C-004	Chemical Oxygen Demand	4620	mg/L	10	10		10-29-08	10-30-08

Report Date: 10/31/2008 12:35:25 PM

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PRODUCT ENDORSEMENT BY THE NATIONAL VOLUNTARY LABORATORY ACCREDITATION PROGRAM.

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

: **HALL ENVIRONMENTAL**

ject: **0810318**

Order: **08100401** **HAL03** Receipt: **10-16-08**

Sample: ***0810318-02C AL-2 INLET*** Collected: *10-14-08 14:20:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-004A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08121	WC.2008.2659.21	10-26-4	Biochemical Oxygen Demand	1032	mg/L	1	2	1	10-16-08	10-21-08

Sample: ***0810318-03B EP-1 INLET*** Collected: *10-14-08 14:50:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08100401-005A		EPA 410.1 Chemical Oxygen Demand						By: NJL		
WCOD08041	WC.2008.2729.14	C-004	Chemical Oxygen Demand	2420	mg/L	10	10		10-29-08	10-30-08

Sample: ***0810318-03C EP-1 INLET*** Collected: *10-14-08 14:50:00* By:

Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0401-006A		EPA 405.1 Biochemical Oxygen Demand						By: SRM		
BOD08121	WC.2008.2659.22	10-26-4	Biochemical Oxygen Demand	2058	mg/L	1	2	1	10-16-08	10-21-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, le result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

1 LCS out of QA/QC criteria due to seasonal interference all other QC results were within range, validating the system performance. All results are valid as reported.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1

Work Order: 0810318

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17392		*MBLK*			Batch ID:	**17392**	Analysis Date:		10/23/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17392		*LCS*			Batch ID:	**17392**	Analysis Date:		10/23/2008
4-Chloro-3-methylphenol	159.4	µg/L	10	79.7	15.4	119			
2-Chlorophenol	114.2	µg/L	10	57.1	12.2	122			
4-Nitrophenol	28.70	µg/L	10	14.4	12.5	87.4			
Pentachlorophenol	37.24	µg/L	20	18.6	3.55	114			
enol	101.8	µg/L	10	50.9	7.53	73.1			
Sample ID: lcsd-17392		*LCSD*			Batch ID:	**17392**	Analysis Date:		10/23/2008
4-Chloro-3-methylphenol	166.3	µg/L	10	83.2	15.4	119	4.24	28.6	
2-Chlorophenol	120.7	µg/L	10	60.4	12.2	122	5.50	107	
4-Nitrophenol	28.18	µg/L	10	14.1	12.5	87.4	1.83	36.3	
Pentachlorophenol	37.00	µg/L	20	18.5	3.55	114	0.647	49	
Phenol	109.5	µg/L	10	54.7	7.53	73.1	7.29	52.4	

alifiers:

- Estimated value
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 10/16/2008

Work Order Number 0810318

Received by: ARS

Checklist completed by: _____ Signature _____ Date 10/16/08

Sample ID labels checked by: _____ Initials

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN - REFINING
GALLUP REFINERY
Address: RT 3 BOX 9
GALLUP NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: AL-1, AL-2, EP-1

Project #:

Project Manager: GAURAV, RAJEN

Sampler: A. DORSEY / RAJ

On Ice: ☑ Yes ☐ No

Sample Temperature: 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0810318	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8260)	8310 (PNA or PAH)	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
10-14-08	1400	AL-1 INLET	1-1000 mL		1												X				
10-14-08	1400	AL-1 INLET	1-500 mL	H_2SO_4	1													X			
10-14-08	1400	AL-1 INLET	1-liter		1														X		
10-14-08	1420	AL-2 INLET	1-1000 mL		2												X				
10-14-08	1420	AL-2 INLET	1-500 mL	H_2SO_4	2													X			
10-14-08	1420	AL-2 INLET	1-liter		2														X		
10-14-08	1450	EP-1 INLET	1-1000 mL		3												X				
10-14-08	1450	EP-1 INLET	1-500 mL	H_2SO_4	3													X			
10-14-08	1450	EP-1 INLET	1-liter		3														X		

Date:	Time:	Relinquished by:	Received by:
10-14-08		[signature]	[signature] 9:25 10/16/08
Date:	Time:	Relinquished by:	Received by:

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

NaPIS 1-3, 3R

COVER LETTER

Friday, December 05, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 4th QTR OCD Samples

Order No.: 0811156

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 11/12/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:45:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/14/2008
Surr: DNOP	134	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/15/2008 6:40:06 AM
Surr: BFB	82.4	59.9-122		%REC	1	11/15/2008 6:40:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/15/2008 6:40:06 AM
Benzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 6:40:06 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Surr: 4-Bromofluorobenzene	99.5	65.9-130		%REC	1	11/15/2008 6:40:06 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 4:52:08 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 4:52:08 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 4:52:08 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 4:52:08 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 4:52:08 PM
Fluorene	ND	0.80		µg/L	1	11/18/2008 4:52:08 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 4:52:08 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 4:52:08 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 4:52:08 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 4:52:08 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 4:52:08 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 4:52:08 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 4:52:08 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 4:52:08 PM
Surr: Benzo(e)pyrene	70.6	44.8-104		%REC	1	11/18/2008 4:52:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.73	0.10		mg/L	1	11/12/2008 2:57:05 PM
Chloride	160	1.0		mg/L	10	11/12/2008 4:02:56 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:45:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	11/12/2008 2:57:05 PM
Nitrogen, Nitrate (As N)	1.6	0.10		mg/L	1	11/12/2008 2:57:05 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:57:05 PM
Sulfate	63	5.0		mg/L	10	11/12/2008 4:02:56 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:41:42 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:11:33 PM
Barium	0.13	0.020		mg/L	1	12/1/2008 10:11:33 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:11:33 PM
Calcium	78	1.0		mg/L	1	12/1/2008 10:11:33 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:11:33 PM
Lead	ND	0.0050		mg/L	1	12/1/2008 10:11:33 PM
Magnesium	14	1.0		mg/L	1	12/1/2008 10:11:33 PM
Potassium	1.2	1.0		mg/L	1	12/1/2008 10:11:33 PM
Selenium	ND	0.25		mg/L	5	12/1/2008 11:36:01 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:11:33 PM
Sodium	390	5.0		mg/L	5	12/1/2008 11:36:01 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	1900	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.30	0.1		pH units	1	11/13/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:40:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	4.0	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	7.7	5.0		mg/L	1	11/14/2008
Surr: DNOP	136	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.59	0.050		mg/L	1	11/15/2008 7:10:20 AM
Surr: BFB	97.1	59.9-122		%REC	1	11/15/2008 7:10:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	180	13		µg/L	5	11/20/2008 12:19:19 PM
Benzene	25	1.0		µg/L	1	11/15/2008 7:10:20 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 7:10:20 AM
Ethylbenzene	11	1.0		µg/L	1	11/15/2008 7:10:20 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 7:10:20 AM
1,2,4-Trimethylbenzene	11	1.0		µg/L	1	11/15/2008 7:10:20 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 7:10:20 AM
Surr: 4-Bromofluorobenzene	111	65.9-130		%REC	1	11/15/2008 7:10:20 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 5:23:34 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:23:34 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:23:34 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 5:23:34 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 5:23:34 PM
Fluorene	0.99	0.80		µg/L	1	11/18/2008 5:23:34 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 5:23:34 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 5:23:34 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 5:23:34 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 5:23:34 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 5:23:34 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 5:23:34 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 5:23:34 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 5:23:34 PM
Surr: Benzo(e)pyrene	41.3	44.8-104	S	%REC	1	11/18/2008 5:23:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.4	0.10		mg/L	1	11/12/2008 2:39:40 PM
Chloride	200	1.0		mg/L	10	11/12/2008 3:45:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:40:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	11/12/2008 2:39:40 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	11/12/2008 2:39:40 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:39:40 PM
Sulfate	32	5.0		mg/L	10	11/12/2008 3:45:32 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:43:27 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:15:43 PM
Barium	0.42	0.020		mg/L	1	12/1/2008 10:15:43 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:15:43 PM
Calcium	50	1.0		mg/L	1	12/1/2008 10:15:43 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:15:43 PM
Lead	0.0065	0.0050		mg/L	1	12/1/2008 10:15:43 PM
Magnesium	9.7	1.0		mg/L	1	12/1/2008 10:15:43 PM
Potassium	ND	1.0		mg/L	1	12/1/2008 10:15:43 PM
Selenium	ND	0.050		mg/L	1	12/1/2008 10:15:43 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:15:43 PM
Sodium	330	5.0		mg/L	5	12/1/2008 11:39:05 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	1600	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.21	0.1		pH units	1	11/13/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:20:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	5.1	5.0		mg/L	1	11/14/2008
Surr: DNOP	132	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/15/2008 8:10:53 AM
Surr: BFB	80.1	59.9-122		%REC	1	11/15/2008 8:10:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/15/2008 8:10:53 AM
Benzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 8:10:53 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Surr: 4-Bromofluorobenzene	96.1	65.9-130		%REC	1	11/15/2008 8:10:53 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 5:54:52 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:54:52 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:54:52 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 5:54:52 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 5:54:52 PM
Fluorene	ND	0.80		µg/L	1	11/18/2008 5:54:52 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 5:54:52 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 5:54:52 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 5:54:52 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 5:54:52 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 5:54:52 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 5:54:52 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 5:54:52 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 5:54:52 PM
Surr: Benzo(e)pyrene	69.6	44.8-104		%REC	1	11/18/2008 5:54:52 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.1	0.10		mg/L	1	11/12/2008 2:22:15 PM
Chloride	1100	5.0		mg/L	50	12/3/2008 4:43:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:20:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	11/12/2008 3:10:42 PM
Nitrogen, Nitrate (As N)	2.6	0.10		mg/L	1	11/12/2008 2:22:15 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:22:15 PM
Sulfate	310	5.0		mg/L	10	11/12/2008 3:10:42 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:45:13 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:19:36 PM
Barium	0.13	0.020		mg/L	1	12/1/2008 10:19:36 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:19:36 PM
Calcium	41	1.0		mg/L	1	12/1/2008 10:19:36 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:19:36 PM
Lead	ND	0.0050		mg/L	1	12/1/2008 10:19:36 PM
Magnesium	6.6	1.0		mg/L	1	12/1/2008 10:19:36 PM
Potassium	4.4	1.0		mg/L	1	12/1/2008 10:19:36 PM
Selenium	ND	0.50		mg/L	10	12/1/2008 11:43:53 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:19:36 PM
Sodium	960	10		mg/L	10	12/1/2008 11:43:53 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	4300	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	8.05	0.1		pH units	1	11/13/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:30:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	5.2	5.0		mg/L	1	11/14/2008
Surr: DNOP	132	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.15	0.050		mg/L	1	11/15/2008 8:41:19 AM
Surr: BFB	86.7	59.9-122		%REC	1	11/15/2008 8:41:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	130	13		µg/L	5	11/20/2008 12:52:22 PM
Benzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 8:41:19 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Surr: 4-Bromofluorobenzene	101	65.9-130		%REC	1	11/15/2008 8:41:19 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 6:26:09 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 6:26:09 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 6:26:09 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 6:26:09 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 6:26:09 PM
Fluorene	ND	0.80		µg/L	1	11/18/2008 6:26:09 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 6:26:09 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 6:26:09 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 6:26:09 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 6:26:09 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 6:26:09 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 6:26:09 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 6:26:09 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 6:26:09 PM
Surr: Benzo(e)pyrene	74.9	44.8-104		%REC	1	11/18/2008 6:26:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.46	0.10		mg/L	1	11/12/2008 2:04:51 PM
Chloride	590	1.0		mg/L	10	11/12/2008 3:28:07 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:30:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Nitrogen, Nitrite (As N)	2.0	1.0		mg/L	10	11/12/2008 3:28:07 PM
Nitrogen, Nitrate (As N)	11	0.10		mg/L	1	11/12/2008 2:04:51 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:04:51 PM
Sulfate	140	5.0		mg/L	10	11/12/2008 3:28:07 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:46:59 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:23:53 PM
Barium	0.20	0.020		mg/L	1	12/1/2008 10:23:53 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:23:53 PM
Calcium	65	1.0		mg/L	1	12/1/2008 10:23:53 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:23:53 PM
Lead	0.0095	0.0050		mg/L	1	12/1/2008 10:23:53 PM
Magnesium	11	1.0		mg/L	1	12/1/2008 10:23:53 PM
Potassium	1.8	1.0		mg/L	1	12/1/2008 10:23:53 PM
Selenium	ND	0.50		mg/L	10	12/1/2008 11:46:58 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:23:53 PM
Sodium	570	10		mg/L	10	12/1/2008 11:46:58 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	2700	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.34	0.1		pH units	1	11/13/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0811156	**Collection Date:**	
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/15/2008 9:11:36 AM
Surr: BFB	79.4	59.9-122		%REC	1	11/15/2008 9:11:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/15/2008 9:11:36 AM
Benzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 9:11:36 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Surr: 4-Bromofluorobenzene	93.8	65.9-130		%REC	1	11/15/2008 9:11:36 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R31145**	Analysis Date:	11/12/2008 10:35:56 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R31149**	Analysis Date:	11/12/2008 10:14:42 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R31460**	Analysis Date:	12/3/2008 12:57:17 PM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
N[illegible]gen, Nitrate (As N)	ND	mg/L	0.10						
[illegible]phorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R31145**	Analysis Date:	11/12/2008 10:53:21 AM	
Fluoride	0.5047	mg/L	0.10	101	90	110			
Chloride	4.994	mg/L	0.10	99.9	90	110			
Nitrogen, Nitrite (As N)	0.9925	mg/L	0.10	99.2	90	110			
Nitrogen, Nitrate (As N)	2.528	mg/L	0.10	101	90	110			
Phosphorus, Orthophosphate (As P)	4.885	mg/L	0.50	97.7	90	110			
Sulfate	10.67	mg/L	0.50	107	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R31149**	Analysis Date:	11/12/2008 10:32:06 AM	
Fluoride	0.5429	mg/L	0.10	109	90	110			
Chloride	4.776	mg/L	0.10	95.5	90	110			
Nitrogen, Nitrite (As N)	0.9363	mg/L	0.10	93.6	90	110			
Nitrogen, Nitrate (As N)	2.483	mg/L	0.10	99.3	90	110			
Phosphorus, Orthophosphate (As P)	4.979	mg/L	0.50	99.6	90	110			
Sulfate	9.918	mg/L	0.50	99.2	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R31460**	Analysis Date:	12/3/2008 1:14:41 PM	
Fluoride	0.5250	mg/L	0.10	105	90	110			
Chloride	5.009	mg/L	0.10	100	90	110			
Nitrogen, Nitrate (As N)	2.396	mg/L	0.10	95.8	90	110			
Phosphorus, Orthophosphate (As P)	5.235	mg/L	0.50	105	90	110			
Sulfate	10.21	mg/L	0.50	102	90	110			

[illegible]ifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-17619		*MBLK*			Batch ID:	**17619**	Analysis Date:		11/13/2008
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-17619		*LCS*			Batch ID:	**17619**	Analysis Date:		11/13/2008
Diesel Range Organics (DRO)	6.135	mg/L	1.0	123	74	157			
Sample ID: LCSD-17619		*LCSD*			Batch ID:	**17619**	Analysis Date:		11/13/2008
Diesel Range Organics (DRO)	6.155	mg/L	1.0	123	74	157	0.314	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31186**	Analysis Date:		11/14/2008 9:10:56 AM
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R31186**	Analysis Date:		11/15/2008 12:43:57 PM
Gasoline Range Organics (GRO)	0.4030	mg/L	0.050	80.6	80	115			
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31251**	Analysis Date:		11/14/2008 9:10:56 AM
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
benzene	ND	µg/L	1.0						
ylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31251**	Analysis Date:		11/14/2008 9:10:56 AM
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R31251**	Analysis Date:		11/14/2008 6:28:37 PM
Methyl tert-butyl ether (MTBE)	24.90	µg/L	2.5	125	51.2	138			
Benzene	22.03	µg/L	1.0	110	85.9	113			
Toluene	22.64	µg/L	1.0	113	86.4	113			S
Ethylbenzene	22.93	µg/L	1.0	115	83.5	118			
Xylenes, Total	68.94	µg/L	2.0	115	83.4	122			
1,2,4-Trimethylbenzene	23.83	µg/L	1.0	119	83.5	115			S
1,3,5-Trimethylbenzene	22.43	µg/L	1.0	112	85.2	113			

..iffers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

:nt: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples
Work Order: 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: MB-17637		*MBLK*			Batch ID:	**17637**	Analysis Date:	11/18/2008 1:06:38 PM	
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	2.0						
2-Methylnaphthalene	ND	µg/L	2.0						
Acenaphthylene	ND	µg/L	2.5						
Acenaphthene	ND	µg/L	5.0						
Fluorene	ND	µg/L	0.80						
Phenanthrene	ND	µg/L	0.60						
Anthracene	ND	µg/L	0.60						
Fluoranthene	ND	µg/L	0.30						
Pyrene	ND	µg/L	0.30						
Benz(a)anthracene	ND	µg/L	0.070						
Chrysene	ND	µg/L	0.20						
Benzo(b)fluoranthene	ND	µg/L	0.10						
Benzo(k)fluoranthene	ND	µg/L	0.070						
Benzo(a)pyrene	ND	µg/L	0.070						
Dibenz(a,h)anthracene	ND	µg/L	0.070						
Benzo(g,h,i)perylene	ND	µg/L	0.080						
Indeno(1,2,3-cd)pyrene	ND	µg/L	0.080						
ple ID: LCS-17637		*LCS*			Batch ID:	**17637**	Analysis Date:	11/18/2008 1:44:39 PM	
aphthalene	67.69	µg/L	2.0	84.6	31.5	90.7			
1-Methylnaphthalene	70.15	µg/L	2.0	87.5	32.5	93.3			
2-Methylnaphthalene	71.77	µg/L	2.0	89.7	32.8	89.6			S
Acenaphthylene	63.15	µg/L	2.5	78.7	37.8	92.4			
Acenaphthene	71.15	µg/L	5.0	88.9	38.6	93.9			
Fluorene	5.840	µg/L	0.80	72.8	38	95.5			
Phenanthrene	3.470	µg/L	0.60	86.3	32.9	107			
Anthracene	3.160	µg/L	0.60	78.6	35.2	98.3			
Fluoranthene	7.000	µg/L	0.30	87.3	36.4	104			
Pyrene	6.950	µg/L	0.30	86.7	37.1	102			
Benz(a)anthracene	0.6400	µg/L	0.070	79.8	33.7	101			
Chrysene	3.290	µg/L	0.20	81.8	35.2	96.1			
Benzo(b)fluoranthene	0.9000	µg/L	0.10	89.8	33.6	94.2			
Benzo(k)fluoranthene	0.4000	µg/L	0.070	80.0	25.4	110			
Benzo(a)pyrene	0.4300	µg/L	0.070	85.7	26.9	102			
Dibenz(a,h)anthracene	0.7900	µg/L	0.070	78.8	40.7	92.1			
Benzo(g,h,i)perylene	0.8100	µg/L	0.080	76.0	24.3	109			
Indeno(1,2,3-cd)pyrene	1.540	µg/L	0.080	76.8	42.6	99.9			
Method: EPA Method 7470: Mercury									
Sample ID: MB-17649		*MBLK*			Batch ID:	**17649**	Analysis Date:	11/16/2008 7:03:52 PM	
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-17649		*LCS*			Batch ID:	**17649**	Analysis Date:	11/16/2008 7:05:36 PM	
Mercury	0.004893	mg/L	0.00020	97.9	80	120			

alifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-17690		*MBLK*			Batch ID:	**17690**	Analysis Date:	12/1/2008 8:38:14 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-17690		*LCS*			Batch ID:	**17690**	Analysis Date:	12/1/2008 8:41:27 PM	
Arsenic	0.5037	mg/L	0.020	101	80	120			
Barium	0.4974	mg/L	0.010	99.5	80	120			
Cadmium	0.5020	mg/L	0.0020	100	80	120			
Calcium	47.23	mg/L	0.50	94.5	80	120			
Chromium	0.4979	mg/L	0.0060	99.6	80	120			
Lead	0.4845	mg/L	0.0050	96.9	80	120			
esium	47.92	mg/L	0.50	95.8	80	120			
tassium	50.18	mg/L	1.0	100	80	120			
Selenium	0.4777	mg/L	0.050	95.5	80	120			
Silver	0.5114	mg/L	0.0050	102	80	120			
Sodium	51.30	mg/L	0.50	103	80	120			

ifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 11/12/2008

Work Order Number 0811156

Received by: ARS

Sample ID labels checked by: AT
Initials

Checklist completed by: [signature] 11/12/08
Signature Date

Matrix: Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
ɪr - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
·vater - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

ʳrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Bx 7 Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2008 4th QRR OCD Samples
Project #: NAPIS=1-3, KA-3
Project Manager: G. Rajen
Sampler: C. Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. (Lab use only)	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel) TPH EXTRACT	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO3,NO2,PO4,SO4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	GenCHEM	RCRA 8 Metals			Air Bubbles (Y or N)
11-10-08	1545	H_2O	NAPIS-1			-1	X		X			X						X	X			
/	1540	/	NAPIS-2			-2																
/	1520	/	NAPIS-3			-3																
/	1530	/	KA-3			-4																
			TRIP Blank			-5	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-10-08	1645				
Date:	Time:	Relinquished by:	Received by:	Date	Time
				10:15	11/12/08

Remarks: GenChem = Cations, Anions, pH, Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

NAPIS

COVER LETTER

Friday, December 05, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 4th QTR OCD Samples

Order No.: 0811156

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 11/12/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:45:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	ND	5.0		mg/L	1	11/14/2008
Surr: DNOP	134	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/15/2008 6:40:06 AM
Surr: BFB	82.4	59.9-122		%REC	1	11/15/2008 6:40:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/15/2008 6:40:06 AM
Benzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 6:40:06 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 6:40:06 AM
Surr: 4-Bromofluorobenzene	99.5	65.9-130		%REC	1	11/15/2008 6:40:06 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 4:52:08 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 4:52:08 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 4:52:08 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 4:52:08 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 4:52:08 PM
Fluorene	ND	0.80		µg/L	1	11/18/2008 4:52:08 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 4:52:08 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 4:52:08 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 4:52:08 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 4:52:08 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 4:52:08 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 4:52:08 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 4:52:08 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 4:52:08 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 4:52:08 PM
Surr: Benzo(e)pyrene	70.6	44.8-104		%REC	1	11/18/2008 4:52:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.73	0.10		mg/L	1	11/12/2008 2:57:05 PM
Chloride	160	1.0		mg/L	10	11/12/2008 4:02:56 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-1
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:45:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: SLB
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	11/12/2008 2:57:05 PM
Nitrogen, Nitrate (As N)	1.6	0.10		mg/L	1	11/12/2008 2:57:05 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:57:05 PM
Sulfate	63	5.0		mg/L	10	11/12/2008 4:02:56 PM
EPA METHOD 7470: MERCURY						Analyst: SNV
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:41:42 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: TES
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:11:33 PM
Barium	0.13	0.020		mg/L	1	12/1/2008 10:11:33 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:11:33 PM
Calcium	78	1.0		mg/L	1	12/1/2008 10:11:33 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:11:33 PM
Lead	ND	0.0050		mg/L	1	12/1/2008 10:11:33 PM
Magnesium	14	1.0		mg/L	1	12/1/2008 10:11:33 PM
Potassium	1.2	1.0		mg/L	1	12/1/2008 10:11:33 PM
Selenium	ND	0.25		mg/L	5	12/1/2008 11:36:01 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:11:33 PM
Sodium	390	5.0		mg/L	5	12/1/2008 11:36:01 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	1900	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.30	0.1		pH units	1	11/13/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:40:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	4.0	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	7.7	5.0		mg/L	1	11/14/2008
Surr: DNOP	136	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.59	0.050		mg/L	1	11/15/2008 7:10:20 AM
Surr: BFB	97.1	59.9-122		%REC	1	11/15/2008 7:10:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	180	13		µg/L	5	11/20/2008 12:19:19 PM
Benzene	25	1.0		µg/L	1	11/15/2008 7:10:20 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 7:10:20 AM
Ethylbenzene	11	1.0		µg/L	1	11/15/2008 7:10:20 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 7:10:20 AM
1,2,4-Trimethylbenzene	11	1.0		µg/L	1	11/15/2008 7:10:20 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 7:10:20 AM
Surr: 4-Bromofluorobenzene	111	65.9-130		%REC	1	11/15/2008 7:10:20 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 5:23:34 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:23:34 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:23:34 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 5:23:34 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 5:23:34 PM
Fluorene	0.99	0.80		µg/L	1	11/18/2008 5:23:34 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 5:23:34 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 5:23:34 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 5:23:34 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 5:23:34 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 5:23:34 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 5:23:34 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 5:23:34 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 5:23:34 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 5:23:34 PM
Surr: Benzo(e)pyrene	41.3	44.8-104	S	%REC	1	11/18/2008 5:23:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.4	0.10		mg/L	1	11/12/2008 2:39:40 PM
Chloride	200	1.0		mg/L	10	11/12/2008 3:45:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-2
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:40:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Nitrogen, Nitrite (As N)	ND	0.10		mg/L	1	11/12/2008 2:39:40 PM
Nitrogen, Nitrate (As N)	ND	0.10		mg/L	1	11/12/2008 2:39:40 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:39:40 PM
Sulfate	32	5.0		mg/L	10	11/12/2008 3:45:32 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:43:27 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:15:43 PM
Barium	0.42	0.020		mg/L	1	12/1/2008 10:15:43 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:15:43 PM
Calcium	50	1.0		mg/L	1	12/1/2008 10:15:43 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:15:43 PM
Lead	0.0065	0.0050		mg/L	1	12/1/2008 10:15:43 PM
Magnesium	9.7	1.0		mg/L	1	12/1/2008 10:15:43 PM
Potassium	ND	1.0		mg/L	1	12/1/2008 10:15:43 PM
Selenium	ND	0.050		mg/L	1	12/1/2008 10:15:43 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:15:43 PM
Sodium	330	5.0		mg/L	5	12/1/2008 11:39:05 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	1600	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.21	0.1		pH units	1	11/13/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:20:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	5.1	5.0		mg/L	1	11/14/2008
Surr: DNOP	132	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/15/2008 8:10:53 AM
Surr: BFB	80.1	59.9-122		%REC	1	11/15/2008 8:10:53 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/15/2008 8:10:53 AM
Benzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 8:10:53 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:10:53 AM
Surr: 4-Bromofluorobenzene	96.1	65.9-130		%REC	1	11/15/2008 8:10:53 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 5:54:52 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:54:52 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 5:54:52 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 5:54:52 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 5:54:52 PM
Fluorene	ND	0.80		µg/L	1	11/18/2008 5:54:52 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 5:54:52 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 5:54:52 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 5:54:52 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 5:54:52 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 5:54:52 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 5:54:52 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 5:54:52 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 5:54:52 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 5:54:52 PM
Surr: Benzo(e)pyrene	69.6	44.8-104		%REC	1	11/18/2008 5:54:52 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	1.1	0.10		mg/L	1	11/12/2008 2:22:15 PM
Chloride	1100	5.0		mg/L	50	12/3/2008 4:43:36 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:20:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	11/12/2008 3:10:42 PM
Nitrogen, Nitrate (As N)	2.6	0.10		mg/L	1	11/12/2008 2:22:15 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:22:15 PM
Sulfate	310	5.0		mg/L	10	11/12/2008 3:10:42 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:45:13 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:19:36 PM
Barium	0.13	0.020		mg/L	1	12/1/2008 10:19:36 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:19:36 PM
Calcium	41	1.0		mg/L	1	12/1/2008 10:19:36 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:19:36 PM
Lead	ND	0.0050		mg/L	1	12/1/2008 10:19:36 PM
Magnesium	6.6	1.0		mg/L	1	12/1/2008 10:19:36 PM
Potassium	4.4	1.0		mg/L	1	12/1/2008 10:19:36 PM
Selenium	ND	0.50		mg/L	10	12/1/2008 11:43:53 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:19:36 PM
Sodium	960	10		mg/L	10	12/1/2008 11:43:53 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	4300	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	8.05	0.1		pH units	1	11/13/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:30:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: **SCC**
Diesel Range Organics (DRO)	ND	1.0		mg/L	1	11/14/2008
Motor Oil Range Organics (MRO)	5.2	5.0		mg/L	1	11/14/2008
Surr: DNOP	132	58-140		%REC	1	11/14/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	0.15	0.050		mg/L	1	11/15/2008 8:41:19 AM
Surr: BFB	86.7	59.9-122		%REC	1	11/15/2008 8:41:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	130	13		µg/L	5	11/20/2008 12:52:22 PM
Benzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 8:41:19 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:41:19 AM
Surr: 4-Bromofluorobenzene	101	65.9-130		%REC	1	11/15/2008 8:41:19 AM
EPA METHOD 8310: PAHS						Analyst: **DMF**
Naphthalene	ND	2.0		µg/L	1	11/18/2008 6:26:09 PM
1-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 6:26:09 PM
2-Methylnaphthalene	ND	2.0		µg/L	1	11/18/2008 6:26:09 PM
Acenaphthylene	ND	2.5		µg/L	1	11/18/2008 6:26:09 PM
Acenaphthene	ND	5.0		µg/L	1	11/18/2008 6:26:09 PM
Fluorene	ND	0.80		µg/L	1	11/18/2008 6:26:09 PM
Phenanthrene	ND	0.60		µg/L	1	11/18/2008 6:26:09 PM
Anthracene	ND	0.60		µg/L	1	11/18/2008 6:26:09 PM
Fluoranthene	ND	0.30		µg/L	1	11/18/2008 6:26:09 PM
Pyrene	ND	0.30		µg/L	1	11/18/2008 6:26:09 PM
Benz(a)anthracene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Chrysene	ND	0.20		µg/L	1	11/18/2008 6:26:09 PM
Benzo(b)fluoranthene	ND	0.10		µg/L	1	11/18/2008 6:26:09 PM
Benzo(k)fluoranthene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Benzo(a)pyrene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Dibenz(a,h)anthracene	ND	0.070		µg/L	1	11/18/2008 6:26:09 PM
Benzo(g,h,i)perylene	ND	0.080		µg/L	1	11/18/2008 6:26:09 PM
Indeno(1,2,3-cd)pyrene	ND	0.080		µg/L	1	11/18/2008 6:26:09 PM
Surr: Benzo(e)pyrene	74.9	44.8-104		%REC	1	11/18/2008 6:26:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Fluoride	0.46	0.10		mg/L	1	11/12/2008 2:04:51 PM
Chloride	590	1.0		mg/L	10	11/12/2008 3:28:07 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	KA-3
Lab Order:	0811156	**Collection Date:**	11/10/2008 3:30:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: **SLB**
Nitrogen, Nitrite (As N)	2.0	1.0		mg/L	10	11/12/2008 3:28:07 PM
Nitrogen, Nitrate (As N)	11	0.10		mg/L	1	11/12/2008 2:04:51 PM
Phosphorus, Orthophosphate (As P)	ND	0.50		mg/L	1	11/12/2008 2:04:51 PM
Sulfate	140	5.0		mg/L	10	11/12/2008 3:28:07 PM
EPA METHOD 7470: MERCURY						Analyst: **SNV**
Mercury	ND	0.00020		mg/L	1	11/16/2008 7:46:59 PM
EPA 6010B: TOTAL RECOVERABLE METALS						Analyst: **TES**
Arsenic	ND	0.020		mg/L	1	12/1/2008 10:23:53 PM
Barium	0.20	0.020		mg/L	1	12/1/2008 10:23:53 PM
Cadmium	ND	0.0020		mg/L	1	12/1/2008 10:23:53 PM
Calcium	65	1.0		mg/L	1	12/1/2008 10:23:53 PM
Chromium	ND	0.0060		mg/L	1	12/1/2008 10:23:53 PM
Lead	0.0095	0.0050		mg/L	1	12/1/2008 10:23:53 PM
Magnesium	11	1.0		mg/L	1	12/1/2008 10:23:53 PM
Potassium	1.8	1.0		mg/L	1	12/1/2008 10:23:53 PM
Selenium	ND	0.50		mg/L	10	12/1/2008 11:46:58 PM
Silver	ND	0.0050		mg/L	1	12/1/2008 10:23:53 PM
Sodium	570	10		mg/L	10	12/1/2008 11:46:58 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	2700	0.010		µmhos/cm	1	11/14/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.34	0.1		pH units	1	11/13/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Trip Blank
Lab Order:	0811156	**Collection Date:**	
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/12/2008
Lab ID:	0811156-05	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **DAM**
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	11/15/2008 9:11:36 AM
Surr: BFB	79.4	59.9-122		%REC	1	11/15/2008 9:11:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: **DAM**
Methyl tert-butyl ether (MTBE)	ND	2.5		µg/L	1	11/15/2008 9:11:36 AM
Benzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Xylenes, Total	ND	2.0		µg/L	1	11/15/2008 9:11:36 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 9:11:36 AM
Surr: 4-Bromofluorobenzene	93.8	65.9-130		%REC	1	11/15/2008 9:11:36 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R31145**	Analysis Date:	11/12/2008 10:35:56 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R31149**	Analysis Date:	11/12/2008 10:14:42 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R31460**	Analysis Date:	12/3/2008 12:57:17 PM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R31145**	Analysis Date:	11/12/2008 10:53:21 AM	
Fluoride	0.5047	mg/L	0.10	101	90	110			
Chloride	4.994	mg/L	0.10	99.9	90	110			
Nitrogen, Nitrite (As N)	0.9925	mg/L	0.10	99.2	90	110			
Nitrogen, Nitrate (As N)	2.528	mg/L	0.10	101	90	110			
Phosphorus, Orthophosphate (As P)	4.885	mg/L	0.50	97.7	90	110			
Sulfate	10.67	mg/L	0.50	107	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R31149**	Analysis Date:	11/12/2008 10:32:06 AM	
Fluoride	0.5429	mg/L	0.10	109	90	110			
Chloride	4.776	mg/L	0.10	95.5	90	110			
Nitrogen, Nitrite (As N)	0.9363	mg/L	0.10	93.6	90	110			
Nitrogen, Nitrate (As N)	2.483	mg/L	0.10	99.3	90	110			
Phosphorus, Orthophosphate (As P)	4.979	mg/L	0.50	99.6	90	110			
Sulfate	9.918	mg/L	0.50	99.2	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R31460**	Analysis Date:	12/3/2008 1:14:41 PM	
Fluoride	0.5250	mg/L	0.10	105	90	110			
Chloride	5.009	mg/L	0.10	100	90	110			
Nitrogen, Nitrate (As N)	2.396	mg/L	0.10	95.8	90	110			
Phosphorus, Orthophosphate (As P)	5.235	mg/L	0.50	105	90	110			
Sulfate	10.21	mg/L	0.50	102	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-17619		*MBLK*			Batch ID:	**17619**	Analysis Date:		11/13/2008
Diesel Range Organics (DRO)	ND	mg/L	1.0						
Motor Oil Range Organics (MRO)	ND	mg/L	5.0						
Sample ID: LCS-17619		*LCS*			Batch ID:	**17619**	Analysis Date:		11/13/2008
Diesel Range Organics (DRO)	6.135	mg/L	1.0	123	74	157			
Sample ID: LCSD-17619		*LCSD*			Batch ID:	**17619**	Analysis Date:		11/13/2008
Diesel Range Organics (DRO)	6.155	mg/L	1.0	123	74	157	0.314	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31186**	Analysis Date:		11/14/2008 9:10:56 AM
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R31186**	Analysis Date:		11/15/2008 12:43:57 PM
Gasoline Range Organics (GRO)	0.4030	mg/L	0.050	80.6	80	115			
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31251**	Analysis Date:		11/14/2008 9:10:56 AM
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
ylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31251**	Analysis Date:		11/14/2008 9:10:56 AM
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R31251**	Analysis Date:		11/14/2008 6:28:37 PM
Methyl tert-butyl ether (MTBE)	24.90	µg/L	2.5	125	51.2	138			
Benzene	22.03	µg/L	1.0	110	85.9	113			
Toluene	22.64	µg/L	1.0	113	86.4	113			S
Ethylbenzene	22.93	µg/L	1.0	115	83.5	118			
Xylenes, Total	68.94	µg/L	2.0	115	83.4	122			
1,2,4-Trimethylbenzene	23.83	µg/L	1.0	119	83.5	115			S
1,3,5-Trimethylbenzene	22.43	µg/L	1.0	112	85.2	113			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8310: PAHs									
Sample ID: MB-17637		*MBLK*			Batch ID:	**17637**	Analysis Date:	11/18/2008 1:06:38 PM	
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	2.0						
2-Methylnaphthalene	ND	µg/L	2.0						
Acenaphthylene	ND	µg/L	2.5						
Acenaphthene	ND	µg/L	5.0						
Fluorene	ND	µg/L	0.80						
Phenanthrene	ND	µg/L	0.60						
Anthracene	ND	µg/L	0.60						
Fluoranthene	ND	µg/L	0.30						
Pyrene	ND	µg/L	0.30						
Benz(a)anthracene	ND	µg/L	0.070						
Chrysene	ND	µg/L	0.20						
Benzo(b)fluoranthene	ND	µg/L	0.10						
Benzo(k)fluoranthene	ND	µg/L	0.070						
Benzo(a)pyrene	ND	µg/L	0.070						
Dibenz(a,h)anthracene	ND	µg/L	0.070						
Benzo(g,h,i)perylene	ND	µg/L	0.080						
Indeno(1,2,3-cd)pyrene	ND	µg/L	0.080						
mple ID: LCS-17637		*LCS*			Batch ID:	**17637**	Analysis Date:	11/18/2008 1:44:39 PM	
Naphthalene	67.69	µg/L	2.0	84.6	31.5	90.7			
1-Methylnaphthalene	70.15	µg/L	2.0	87.5	32.5	93.3			
2-Methylnaphthalene	71.77	µg/L	2.0	89.7	32.8	89.6			S
Acenaphthylene	63.15	µg/L	2.5	78.7	37.8	92.4			
Acenaphthene	71.15	µg/L	5.0	88.9	38.6	93.9			
Fluorene	5.840	µg/L	0.80	72.8	38	95.5			
Phenanthrene	3.470	µg/L	0.60	86.3	32.9	107			
Anthracene	3.160	µg/L	0.60	78.6	35.2	98.3			
Fluoranthene	7.000	µg/L	0.30	87.3	36.4	104			
Pyrene	6.950	µg/L	0.30	86.7	37.1	102			
Benz(a)anthracene	0.6400	µg/L	0.070	79.8	33.7	101			
Chrysene	3.290	µg/L	0.20	81.8	35.2	96.1			
Benzo(b)fluoranthene	0.9000	µg/L	0.10	89.8	33.6	94.2			
Benzo(k)fluoranthene	0.4000	µg/L	0.070	80.0	25.4	110			
Benzo(a)pyrene	0.4300	µg/L	0.070	85.7	26.9	102			
Dibenz(a,h)anthracene	0.7900	µg/L	0.070	78.8	40.7	92.1			
Benzo(g,h,i)perylene	0.8100	µg/L	0.080	76.0	24.3	109			
Indeno(1,2,3-cd)pyrene	1.540	µg/L	0.080	76.8	42.6	99.9			
Method: EPA Method 7470: Mercury									
Sample ID: MB-17649		*MBLK*			Batch ID:	**17649**	Analysis Date:	11/16/2008 7:03:52 PM	
Mercury	ND	mg/L	0.00020						
Sample ID: LCS-17649		*LCS*			Batch ID:	**17649**	Analysis Date:	11/16/2008 7:05:36 PM	
Mercury	0.004893	mg/L	0.00020	97.9	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811156

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA 6010B: Total Recoverable Metals									
Sample ID: MB-17690		*MBLK*			Batch ID:	**17690**	Analysis Date:	12/1/2008 8:38:14 PM	
Arsenic	ND	mg/L	0.020						
Barium	ND	mg/L	0.010						
Cadmium	ND	mg/L	0.0020						
Calcium	ND	mg/L	0.50						
Chromium	ND	mg/L	0.0060						
Lead	ND	mg/L	0.0050						
Magnesium	ND	mg/L	0.50						
Potassium	ND	mg/L	1.0						
Selenium	ND	mg/L	0.050						
Silver	ND	mg/L	0.0050						
Sodium	ND	mg/L	0.50						
Sample ID: LCS-17690		*LCS*			Batch ID:	**17690**	Analysis Date:	12/1/2008 8:41:27 PM	
Arsenic	0.5037	mg/L	0.020	101	80	120			
Barium	0.4974	mg/L	0.010	99.5	80	120			
Cadmium	0.5020	mg/L	0.0020	100	80	120			
Calcium	47.23	mg/L	0.50	94.5	80	120			
Chromium	0.4979	mg/L	0.0060	99.6	80	120			
Lead	0.4845	mg/L	0.0050	96.9	80	120			
Magnesium	47.92	mg/L	0.50	95.8	80	120			
Potassium	50.18	mg/L	1.0	100	80	120			
Selenium	0.4777	mg/L	0.050	95.5	80	120			
Silver	0.5114	mg/L	0.0050	102	80	120			
Sodium	51.30	mg/L	0.50	103	80	120			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 11/12/2008

Work Order Number 0811156

Received by: ARS

Sample ID labels checked by: AT
Initials

Checklist completed by: 11/12/08
Signature Date

Matrix: Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
'ater - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	1°	<6° C *Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Ch[illegible]-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Bx 7 Gallup, NM 87301
Phone #: 505-722-3833
email or Fax#: 505-722-0210
QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush
Project Name: 2008 4th QRR OCD Samples
Project #: NAPIS=1-3; KA-3
Project Manager: G. Rajen
Sampler: C. Johnson
On Ice: ☒ Yes ☐ No
Sample Temperature: 1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	LAB No.	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	GenCHEM	RCRA 8 Metals			Air Bubbles (Y or N)
11-10-08	1545	H_2O	NAPIS-1			-1	X		X			X						X	X			
/	1540	/	NAPIS-2			-2	|		|			|						|	|		
/	1520	/	NAPIS-3			-3	|		|			|						|	|		
/	1530	/	KA-3			-4	|		|			|						|	|		
			TRIP Blank			-5	X		X													

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-10-08	1645	[signature]	[signature]	10:15	11/12/08
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: GenChem = Cations, Anions, pH, Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, December 01, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0811199

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/14/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0811199	**Collection Date:**	11/12/2008 2:15:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	11/14/2008
Lab ID:	0811199-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	11/20/2008
2-Chlorophenol	ND	100		µg/L	1	11/20/2008
2,4-Dichlorophenol	ND	200		µg/L	1	11/20/2008
2,4-Dimethylphenol	150	100		µg/L	1	11/20/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	11/20/2008
2,4-Dinitrophenol	ND	200		µg/L	1	11/20/2008
2-Methylphenol	2800	500		µg/L	5	11/20/2008
3+4-Methylphenol	5800	500		µg/L	5	11/20/2008
2-Nitrophenol	ND	100		µg/L	1	11/20/2008
4-Nitrophenol	ND	100		µg/L	1	11/20/2008
Pentachlorophenol	ND	200		µg/L	1	11/20/2008
Phenol	11000	1000		µg/L	10	11/20/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	11/20/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	11/20/2008
Surr: 2,4,6-Tribromophenol	82.2	16.6-150		%REC	1	11/20/2008
Surr: 2-Fluorobiphenyl	76.2	19.6-134		%REC	1	11/20/2008
Surr: 2-Fluorophenol	61.1	9.54-113		%REC	1	11/20/2008
Surr: 4-Terphenyl-d14	66.9	22.7-145		%REC	1	11/20/2008
Surr: Nitrobenzene-d5	73.8	14.6-134		%REC	1	11/20/2008
Surr: Phenol-d5	18.6	10.7-80.3		%REC	1	11/20/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-Inlet
Lab Order:	0811199	**Collection Date:**	11/12/2008 2:25:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	11/14/2008
Lab ID:	0811199-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	11/20/2008
2-Chlorophenol	ND	100		µg/L	1	11/20/2008
2,4-Dichlorophenol	ND	200		µg/L	1	11/20/2008
2,4-Dimethylphenol	140	100		µg/L	1	11/20/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	11/20/2008
2,4-Dinitrophenol	ND	200		µg/L	1	11/20/2008
2-Methylphenol	1500	100		µg/L	1	11/20/2008
3+4-Methylphenol	2300	500		µg/L	5	11/20/2008
2-Nitrophenol	ND	100		µg/L	1	11/20/2008
4-Nitrophenol	ND	100		µg/L	1	11/20/2008
Pentachlorophenol	ND	200		µg/L	1	11/20/2008
Phenol	5300	500		µg/L	5	11/20/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	11/20/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	11/20/2008
Surr: 2,4,6-Tribromophenol	84.5	16.6-150		%REC	1	11/20/2008
Surr: 2-Fluorobiphenyl	66.9	19.6-134		%REC	1	11/20/2008
Surr: 2-Fluorophenol	46.2	9.54-113		%REC	1	11/20/2008
Surr: 4-Terphenyl-d14	54.1	22.7-145		%REC	1	11/20/2008
Surr: Nitrobenzene-d5	60.3	14.6-134		%REC	1	11/20/2008
Surr: Phenol-d5	19.0	10.7-80.3		%REC	1	11/20/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0811199	**Collection Date:**	11/12/2008 2:35:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	11/14/2008
Lab ID:	0811199-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	500		µg/L	1	11/20/2008
2-Chlorophenol	ND	500		µg/L	1	11/20/2008
2,4-Dichlorophenol	ND	1000		µg/L	1	11/20/2008
2,4-Dimethylphenol	ND	500		µg/L	1	11/20/2008
4,6-Dinitro-2-methylphenol	ND	1000		µg/L	1	11/20/2008
2,4-Dinitrophenol	ND	1000		µg/L	1	11/20/2008
2-Methylphenol	1900	500		µg/L	1	11/20/2008
3+4-Methylphenol	2800	500		µg/L	1	11/20/2008
2-Nitrophenol	ND	500		µg/L	1	11/20/2008
4-Nitrophenol	ND	500		µg/L	1	11/20/2008
Pentachlorophenol	ND	1000		µg/L	1	11/20/2008
Phenol	6200	500		µg/L	1	11/20/2008
2,4,5-Trichlorophenol	ND	500		µg/L	1	11/20/2008
2,4,6-Trichlorophenol	ND	500		µg/L	1	11/20/2008
Surr: 2,4,6-Tribromophenol	83.2	16.6-150		%REC	1	11/20/2008
Surr: 2-Fluorobiphenyl	80.9	19.6-134		%REC	1	11/20/2008
Surr: 2-Fluorophenol	55.0	9.54-113		%REC	1	11/20/2008
Surr: 4-Terphenyl-d14	56.5	22.7-145		%REC	1	11/20/2008
Surr: Nitrobenzene-d5	74.4	14.6-134		%REC	1	11/20/2008
Surr: Phenol-d5	36.5	10.7-80.3		%REC	1	11/20/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	*Analyte Detected In Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0811199**
Order: **08110322** **HAL03** Receipt: **11-14-08**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0811199-01B AL-1 INLET* Collected: *11-12-08 14:15:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-001A		**EPA 410.1 Chemical Oxygen Demand**						By: NJL		
WCOD08047	WC.2008.3043.7	C-004	Chemical Oxygen Demand	1120	mg/L	1	10		11-24-08	11-24-08

Sample: *0811199-01C AL-1 INLET* Collected: *11-12-08 14:15:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-002A		**EPA 405.1 Biochemical Oxygen Demand**						By: TRM		
BOD080133	WC.2008.2978.17	10-26-4	Biochemical Oxygen Demand	303	mg/L	1	2	1	11-14-08	11-19-08

Sample: *0811199-02B AL-2 INLET* Collected: *11-12-08 14:25:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-003A		**EPA 410.1 Chemical Oxygen Demand**						By: NJL		
WCOD08047	WC.2008.3043.16	C-004	Chemical Oxygen Demand	3250	mg/L	10	10		11-24-08	11-24-08

Assalgal Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0811199**
Order: **08110322** **HAL03** Receipt: **11-14-08**

Sample: ***0811199-02C AL- 2 INLET*** Collected: *11-12-08 14:25:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-004A		**EPA 405.1 Biochemical Oxygen Demand**						By: TRM		
BOD080133	WC.2008.2978.18	10-26-4	Biochemical Oxygen Demand	> 2820	mg/L	1	2	1	11-14-08	11-19-08

Sample: ***0811199-03B EP-1 INLET*** Collected: *11-12-08 14:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-005A		**EPA 410.1 Chemical Oxygen Demand**						By: NJL		
WCOD08047	WC.2008.3043.17	C-004	Chemical Oxygen Demand	2250	mg/L	10	10		11-24-08	11-24-08

Sample: ***0811199-03C EP-1 INLET*** Collected: *11-12-08 14:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-006A		**EPA 405.1 Biochemical Oxygen Demand**						By: TRM		
BOD080133	WC.2008.2978.19	10-26-4	Biochemical Oxygen Demand	> 2860	mg/L	1	2	1	11-14-08	11-19-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

The LCS/LCSD failed low, this is attributed to seasonal changes, adjustments are being made to seed concentration to accommodate these changes. This should be taken into when reviewing the data.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1 **Work Order:** 0811199

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17666		*MBLK*			Batch ID:	17666	Analysis Date:		11/20/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	5.0						
2-Methylphenol	ND	µg/L	5.0						
3+4-Methylphenol	ND	µg/L	5.0						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	5.0						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17666		*LCS*			Batch ID:	17666	Analysis Date:		11/20/2008
4-Chloro-3-methylphenol	80.00	µg/L	10	80.0	15.4	119			
2-Chlorophenol	75.12	µg/L	10	75.1	12.2	122			
4-Nitrophenol	83.72	µg/L	10	83.7	12.5	87.4			
Pentachlorophenol	78.68	µg/L	20	78.7	3.55	114			
Phenol	63.08	µg/L	10	63.1	7.53	73.1			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 11/14/2008

Work Order Number 0811199

Received by: TLS

Sample ID labels checked by: Initials

Checklist completed by: Signature 11/14/08 Date

Matrix:

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	2°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted: Date contacted: Person contacted:

Contacted by: Regarding:

Comments:

Corrective Action

Chain-of-Custody Record

Client: WESTERN - REFINING
GALLUP REFINERY
Mailing Address: RT 3 BOX 9
GALLUP NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAV, RAJEN
Sampler: A. DORSEY
On Ice: ☒ Yes ☐ No
Sample Temperature: 4°C

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. ORIGINAL	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
11-12-08	1415	AQ	AL-1 Inlet	2-500mL		1												X				
11-12-08	1415		AL-1 Inlet	1-500mL	H_2SO_4	1													X			
11-12-08	1415		AL-1 Inlet	1-liter		1														X		
11-12-08	1425		AL-2 Inlet	2-500mL		2												X				
11-12-08	1425		AL-2 Inlet	1-500mL	H_2SO_4	2													X			
11-12-08	1425		AL-2 Inlet	1-liter		2														X		
11-12-08	1435		EP-1 Inlet	2-~~VOA~~ 500 mL		3												X				
11-12-08	1435		EP-1 Inlet	1-500mL	H_2SO_4	3													X			
11-12-08	1435		EP-1 Inlet	1-liter		3														X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-12-08	4:00	[signature]	[signature]	11/14/08	939
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, December 01, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0811199

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/14/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0811199	**Collection Date:**	11/12/2008 2:15:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	11/14/2008
Lab ID:	0811199-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	11/20/2008
2-Chlorophenol	ND	100		µg/L	1	11/20/2008
2,4-Dichlorophenol	ND	200		µg/L	1	11/20/2008
2,4-Dimethylphenol	150	100		µg/L	1	11/20/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	11/20/2008
2,4-Dinitrophenol	ND	200		µg/L	1	11/20/2008
2-Methylphenol	2800	500		µg/L	5	11/20/2008
3+4-Methylphenol	5800	500		µg/L	5	11/20/2008
2-Nitrophenol	ND	100		µg/L	1	11/20/2008
4-Nitrophenol	ND	100		µg/L	1	11/20/2008
Pentachlorophenol	ND	200		µg/L	1	11/20/2008
Phenol	11000	1000		µg/L	10	11/20/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	11/20/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	11/20/2008
Surr: 2,4,6-Tribromophenol	82.2	16.6-150		%REC	1	11/20/2008
Surr: 2-Fluorobiphenyl	76.2	19.6-134		%REC	1	11/20/2008
Surr: 2-Fluorophenol	61.1	9.54-113		%REC	1	11/20/2008
Surr: 4-Terphenyl-d14	66.9	22.7-145		%REC	1	11/20/2008
Surr: Nitrobenzene-d5	73.8	14.6-134		%REC	1	11/20/2008
Surr: Phenol-d5	18.6	10.7-80.3		%REC	1	11/20/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-Inlet
Lab Order:	0811199	**Collection Date:**	11/12/2008 2:25:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	11/14/2008
Lab ID:	0811199-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	11/20/2008
2-Chlorophenol	ND	100		µg/L	1	11/20/2008
2,4-Dichlorophenol	ND	200		µg/L	1	11/20/2008
2,4-Dimethylphenol	140	100		µg/L	1	11/20/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	11/20/2008
2,4-Dinitrophenol	ND	200		µg/L	1	11/20/2008
2-Methylphenol	1500	100		µg/L	1	11/20/2008
3+4-Methylphenol	2300	500		µg/L	5	11/20/2008
2-Nitrophenol	ND	100		µg/L	1	11/20/2008
4-Nitrophenol	ND	100		µg/L	1	11/20/2008
Pentachlorophenol	ND	200		µg/L	1	11/20/2008
Phenol	5300	500		µg/L	5	11/20/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	11/20/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	11/20/2008
Surr: 2,4,6-Tribromophenol	84.5	16.6-150		%REC	1	11/20/2008
Surr: 2-Fluorobiphenyl	66.9	19.6-134		%REC	1	11/20/2008
Surr: 2-Fluorophenol	46.2	9.54-113		%REC	1	11/20/2008
Surr: 4-Terphenyl-d14	54.1	22.7-145		%REC	1	11/20/2008
Surr: Nitrobenzene-d5	60.3	14.6-134		%REC	1	11/20/2008
Surr: Phenol-d5	19.0	10.7-80.3		%REC	1	11/20/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0811199	**Collection Date:**	11/12/2008 2:35:00 PM
Project:	AL-1, AL-2, EP-1	**Date Received:**	11/14/2008
Lab ID:	0811199-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	500		µg/L	1	11/20/2008
2-Chlorophenol	ND	500		µg/L	1	11/20/2008
2,4-Dichlorophenol	ND	1000		µg/L	1	11/20/2008
2,4-Dimethylphenol	ND	500		µg/L	1	11/20/2008
4,6-Dinitro-2-methylphenol	ND	1000		µg/L	1	11/20/2008
2,4-Dinitrophenol	ND	1000		µg/L	1	11/20/2008
2-Methylphenol	1900	500		µg/L	1	11/20/2008
3+4-Methylphenol	2800	500		µg/L	1	11/20/2008
2-Nitrophenol	ND	500		µg/L	1	11/20/2008
4-Nitrophenol	ND	500		µg/L	1	11/20/2008
Pentachlorophenol	ND	1000		µg/L	1	11/20/2008
Phenol	6200	500		µg/L	1	11/20/2008
2,4,5-Trichlorophenol	ND	500		µg/L	1	11/20/2008
2,4,6-Trichlorophenol	ND	500		µg/L	1	11/20/2008
Surr: 2,4,6-Tribromophenol	83.2	16.6-150		%REC	1	11/20/2008
Surr: 2-Fluorobiphenyl	80.9	19.6-134		%REC	1	11/20/2008
Surr: 2-Fluorophenol	55.0	9.54-113		%REC	1	11/20/2008
Surr: 4-Terphenyl-d14	56.5	22.7-145		%REC	1	11/20/2008
Surr: Nitrobenzene-d5	74.4	14.6-134		%REC	1	11/20/2008
Surr: Phenol-d5	36.5	10.7-80.3		%REC	1	11/20/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	Analyte Detected in Method Blank
E	Result is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0811199**
Order: **08110322** **HAL03** Receipt: **11-14-08**

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0811199-01B AL-1 INLET*** Collected: *11-12-08 14:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-001A		EPA 410.1 Chemical Oxygen Demand					By:	NJL		
WCOD08047	WC.2008.3043.7	C-004	Chemical Oxygen Demand	1120	mg/L	1	10		11-24-08	11-24-08

Sample: ***0811199-01C AL-1 INLET*** Collected: *11-12-08 14:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-002A		EPA 405.1 Biochemical Oxygen Demand					By:	TRM		
BOD080133	WC.2008.2978.17	10-26-4	Biochemical Oxygen Demand	303	mg/L	1	2	1	11-14-08	11-19-08

Sample: ***0811199-02B AL-2 INLET*** Collected: *11-12-08 14:25:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-003A		EPA 410.1 Chemical Oxygen Demand					By:	NJL		
WCOD08047	WC.2008.3043.16	C-004	Chemical Oxygen Demand	3250	mg/L	10	10		11-24-08	11-24-08

Assalgai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0811199**
Order: **08110322** **HAL03** Receipt: **11-14-08**

Sample: ***0811199-02C AL- 2 INLET*** Collected: *11-12-08 14:25:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-004A		**EPA 405.1 Biochemical Oxygen Demand**						By: TRM		
BOD080133	WC.2008.2978.18	10-26-4	Biochemical Oxygen Demand	> 2820	mg/L	1	2	1	11-14-08	11-19-08

Sample: ***0811199-03B EP-1 INLET*** Collected: *11-12-08 14:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-005A		**EPA 410.1 Chemical Oxygen Demand**						By: NJL		
WCOD08047	WC.2008.3043.17	C-004	Chemical Oxygen Demand	2250	mg/L	10	10		11-24-08	11-24-08

Sample: ***0811199-03C EP-1 INLET*** Collected: *11-12-08 14:35:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08110322-006A		**EPA 405.1 Biochemical Oxygen Demand**						By: TRM		
BOD080133	WC.2008.2978.19	10-26-4	Biochemical Oxygen Demand	> 2860	mg/L	1	2	1	11-14-08	11-19-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

1 The LCS/LCSD failed low, this is attributed to seasonal changes, adjustments are being made to seed concentration to accommodate these changes. This should be taken into when reviewing the data.

QA/QC SUMMARY REPORT

lient: Western Refining Southwest, Gallup
roject: AL-1, AL-2, EP-1

Work Order: 0811199

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17666		*MBLK*			Batch ID:	**17666**	Analysis Date:		11/20/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	5.0						
2-Methylphenol	ND	µg/L	5.0						
3+4-Methylphenol	ND	µg/L	5.0						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	5.0						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17666		*LCS*			Batch ID:	**17666**	Analysis Date:		11/20/2008
4-Chloro-3-methylphenol	80.00	µg/L	10	80.0	15.4	119			
2-Chlorophenol	75.12	µg/L	10	75.1	12.2	122			
4-Nitrophenol	83.72	µg/L	10	83.7	12.5	87.4			
ntachlorophenol	78.68	µg/L	20	78.7	3.55	114			
enol	63.08	µg/L	10	63.1	7.53	73.1			

alifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 11/14/2008

Work Order Number 0811199

Received by: TLS

Checklist completed by: Signature 11/14/08 Date

Sample ID labels checked by: Initials

Matrix:

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	2°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN - REFINING
GALLUP REFINERY
Mailing Address: RT 3 BOX 9
GALLUP NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAU, RAJEN
Sampler: A. DORSEY
On Ice: ☑ Yes ☐ No
Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No.	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
11-12-08	1415	AQ	AL-1 INLET	2-500mL		1																
11-12-08	1415		AL-1 INLET	1-500mL	H_2SO_4	1												X				
11-12-08	1415		AL-1 INLET	1-liter		1													X			
																				X		
11-12-08	1425		AL-2 INLET	2-500mL		2																
11-12-08	1425		AL-2 INLET	1-500mL	H_2SO_4	2												X				
11-12-08	1425		AL-2 INLET	1-liter		2													X			
																				X		
11-12-08	1435		EP-1 INLET	2-~~1000~~ 500 mL		3																
11-12-08	1435		EP-1 INLET	1-500mL	H_2SO_4	3												X				
11-12-08	1435		EP-1 INLET	1-liter		3													X			
																				X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-12-08	4:00	Alvin D	[signature]	11/14/08	939
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

OW 14,30

COVER LETTER

Thursday, December 04, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 4th QTR OCD Samples

Order No.: 0811196

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/14/2008 for the analyses presented in the following report.

This report is an addendum to the report dated November 25, 2008.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	0811196	**Collection Date:**	11/12/2008 2:30:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/14/2008
Lab ID:	0811196-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Methyl tert-butyl ether (MTBE)	1200	10		µg/L	10	11/15/2008 8:07:33 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2-Dichloroethane (EDC)	1.3	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Naphthalene	ND	2.0		µg/L	1	11/15/2008 8:36:26 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/15/2008 8:36:26 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/15/2008 8:36:26 AM
Acetone	ND	10		µg/L	1	11/15/2008 8:36:26 AM
Bromobenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Bromoform	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Bromomethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
2-Butanone	ND	10		µg/L	1	11/15/2008 8:36:26 AM
Carbon disulfide	ND	10		µg/L	1	11/15/2008 8:36:26 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Chlorobenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Chloroethane	ND	2.0		µg/L	1	11/15/2008 8:36:26 AM
Chloroform	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Chloromethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/15/2008 8:36:26 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Dibromomethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/15/2008 8:36:26 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
2-Hexanone	ND	10		µg/L	1	11/15/2008 8:36:26 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-30
Lab Order:	0811196	**Collection Date:**	11/12/2008 2:30:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/14/2008
Lab ID:	0811196-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/15/2008 8:36:26 AM
Methylene Chloride	ND	3.0		µg/L	1	11/15/2008 8:36:26 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Styrene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/15/2008 8:36:26 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/15/2008 8:36:26 AM
Vinyl chloride	ND	1.0		µg/L	1	11/15/2008 8:36:26 AM
Xylenes, Total	ND	1.5		µg/L	1	11/15/2008 8:36:26 AM
Surr: 1,2-Dichloroethane-d4	107	68.1-123		%REC	1	11/15/2008 8:36:26 AM
Surr: 4-Bromofluorobenzene	102	53.2-145		%REC	1	11/15/2008 8:36:26 AM
Surr: Dibromofluoromethane	110	68.5-119		%REC	1	11/15/2008 8:36:26 AM
Surr: Toluene-d8	104	64-131		%REC	1	11/15/2008 8:36:26 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	0811196	**Collection Date:**	11/12/2008 4:05:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/14/2008
Lab ID:	0811196-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	6.7	1.0		µg/L	1	11/15/2008 10:04:30 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Methyl tert-butyl ether (MTBE)	1400	10		µg/L	10	11/15/2008 9:35:43 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2-Dichloroethane (EDC)	1.8	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Naphthalene	ND	2.0		µg/L	1	11/15/2008 10:04:30 AM
1-Methylnaphthalene	16	4.0		µg/L	1	11/15/2008 10:04:30 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/15/2008 10:04:30 AM
Acetone	ND	10		µg/L	1	11/15/2008 10:04:30 AM
Bromobenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Bromoform	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Bromomethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
2-Butanone	ND	10		µg/L	1	11/15/2008 10:04:30 AM
Carbon disulfide	ND	10		µg/L	1	11/15/2008 10:04:30 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Chlorobenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Chloroethane	ND	2.0		µg/L	1	11/15/2008 10:04:30 AM
Chloroform	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Chloromethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/15/2008 10:04:30 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Dibromomethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/15/2008 10:04:30 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
2-Hexanone	ND	10		µg/L	1	11/15/2008 10:04:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-14
Lab Order:	0811196	**Collection Date:**	11/12/2008 4:05:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/14/2008
Lab ID:	0811196-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	1.5	1.0		µg/L	1	11/15/2008 10:04:30 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/15/2008 10:04:30 AM
Methylene Chloride	ND	3.0		µg/L	1	11/15/2008 10:04:30 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
sec-Butylbenzene	2.5	1.0		µg/L	1	11/15/2008 10:04:30 AM
Styrene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/15/2008 10:04:30 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/15/2008 10:04:30 AM
Vinyl chloride	ND	1.0		µg/L	1	11/15/2008 10:04:30 AM
Xylenes, Total	ND	1.5		µg/L	1	11/15/2008 10:04:30 AM
Surr: 1,2-Dichloroethane-d4	116	68.1-123		%REC	1	11/15/2008 10:04:30 AM
Surr: 4-Bromofluorobenzene	113	53.2-145		%REC	1	11/15/2008 10:04:30 AM
Surr: Dibromofluoromethane	122	68.5-119	S	%REC	1	11/15/2008 10:04:30 AM
Surr: Toluene-d8	93.6	64-131		%REC	1	11/15/2008 10:04:30 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	0811196	**Collection Date:**	
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/14/2008
Lab ID:	0811196-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Toluene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Ethylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Naphthalene	ND	2.0		µg/L	1	11/15/2008 7:37:08 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/15/2008 7:37:08 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/15/2008 7:37:08 AM
Acetone	ND	10		µg/L	1	11/15/2008 7:37:08 AM
Bromobenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Bromoform	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Bromomethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
2-Butanone	ND	10		µg/L	1	11/15/2008 7:37:08 AM
Carbon disulfide	ND	10		µg/L	1	11/15/2008 7:37:08 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Chlorobenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Chloroethane	ND	2.0		µg/L	1	11/15/2008 7:37:08 AM
Chloroform	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Chloromethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/15/2008 7:37:08 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Dibromomethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/15/2008 7:37:08 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
2-Hexanone	ND	10		µg/L	1	11/15/2008 7:37:08 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *04-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	0811196	**Collection Date:**	
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/14/2008
Lab ID:	0811196-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/15/2008 7:37:08 AM
Methylene Chloride	ND	3.0		µg/L	1	11/15/2008 7:37:08 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Styrene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/15/2008 7:37:08 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/15/2008 7:37:08 AM
Vinyl chloride	ND	1.0		µg/L	1	11/15/2008 7:37:08 AM
Xylenes, Total	ND	1.5		µg/L	1	11/15/2008 7:37:08 AM
Surr: 1,2-Dichloroethane-d4	102	68.1-123		%REC	1	11/15/2008 7:37:08 AM
Surr: 4-Bromofluorobenzene	107	53.2-145		%REC	1	11/15/2008 7:37:08 AM
Surr: Dibromofluoromethane	111	68.5-119		%REC	1	11/15/2008 7:37:08 AM
Surr: Toluene-d8	105	64-131		%REC	1	11/15/2008 7:37:08 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

lient: Western Refining Southwest, Gallup
ject: 2008 4th QTR OCD Samples **Work Order:** 0811196

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8021B: Volatiles									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31251**	Analysis Date:	11/14/2008 9:10:56 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31251**	Analysis Date:	11/14/2008 9:10:56 AM	
Methyl tert-butyl ether (MTBE)	ND	µg/L	2.5						
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	2.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
Sample ID: 100NG BTEX LCS		*LCS*			Batch ID:	**R31251**	Analysis Date:	11/14/2008 6:28:37 PM	
Methyl tert-butyl ether (MTBE)	24.90	µg/L	2.5	125	51.2	138			
Benzene	22.03	µg/L	1.0	110	85.9	113			
uene	22.64	µg/L	1.0	113	86.4	113			S
lbenzene	22.93	µg/L	1.0	115	83.5	118			
ylenes, Total	68.94	µg/L	2.0	115	83.4	122			
1,2,4-Trimethylbenzene	23.83	µg/L	1.0	119	83.5	115			S
1,3,5-Trimethylbenzene	22.43	µg/L	1.0	112	85.2	113			

lifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

'ient: Western Refining Southwest, Gallup
ject: 2008 4th QTR OCD Samples **Work Order:** 0811196

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b3		*MBLK*			Batch ID:	R31191	Analysis Date:	11/14/2008 9:52:56 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
robenzene	ND	µg/L	1.0						
oethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

'ifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
roject: 2008 4th QTR OCD Samples **Work Order:** 0811196

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b3		*MBLK*			Batch ID:	**R31191**	Analysis Date:	11/14/2008 9:52:56 PM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
'nyl chloride	ND	µg/L	1.0						
enes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31191**	Analysis Date:	11/14/2008 10:50:53 PM	
Benzene	20.29	µg/L	1.0	101	88	116			
Toluene	18.93	µg/L	1.0	94.7	82.9	112			
Chlorobenzene	18.36	µg/L	1.0	91.8	71.4	133			
1,1-Dichloroethene	19.24	µg/L	1.0	96.2	97.9	140			S
Trichloroethene (TCE)	18.58	µg/L	1.0	92.9	90.5	112			

'aliflers:

	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

C[illegible]n-of-Custody Record

Client: Western Refining Gallup Refinery
Mailing Address: Rt 3 Box 7

Phone #: 505 722 3833
email or Fax#: 505 722 0210

QA/QC Package:
☒ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush

Project Name: 2008 3rd QTR OCD Samples

Project #:

Project Manager: G. Rajen

Sampler: G. Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: [redacted]

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0[illegible]	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)				Air Bubbles (Y or N)
11/12/08	1430	H2O	OW-30			1	X									X					
11/12/08	1605	H2O	OW-14			2	X									X					
			TRIP Blank			3															

Date:	Time:	Relinquished by:	Received by:	Date	Time
11/13/08	1015	[signature]	[signature]	11/14/08	945
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

OW 13/29

COVER LETTER

Monday, December 01, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: 2008 4th QTR OCD Samples

Order No.: 0811259

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 11/18/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	0811259	**Collection Date:**	11/13/2008 2:00:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/18/2008
Lab ID:	0811259-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Toluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Methyl tert-butyl ether (MTBE)	1.6	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:18:24 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:18:24 AM
Acetone	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Bromoform	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Bromomethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2-Butanone	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Chloroform	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Chloromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
2-Hexanone	ND	10		µg/L	1	11/19/2008 9:18:24 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-13
Lab Order:	0811259	**Collection Date:**	11/13/2008 2:00:00 PM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/18/2008
Lab ID:	0811259-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2008 9:18:24 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2008 9:18:24 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Styrene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2008 9:18:24 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2008 9:18:24 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2008 9:18:24 AM
Surr: 1,2-Dichloroethane-d4	107	68.1-123		%REC	1	11/19/2008 9:18:24 AM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	1	11/19/2008 9:18:24 AM
Surr: Dibromofluoromethane	120	68.5-119	S	%REC	1	11/19/2008 9:18:24 AM
Surr: Toluene-d8	95.5	64-131		%REC	1	11/19/2008 9:18:24 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	0811259	**Collection Date:**	11/14/2008 10:50:00 AM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/18/2008
Lab ID:	0811259-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Toluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Methyl tert-butyl ether (MTBE)	15	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dichloroethane (EDC)	1.0	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:47:41 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 9:47:41 AM
Acetone	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Bromoform	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Bromomethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2-Butanone	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Chloroform	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Chloromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
2-Hexanone	ND	10		µg/L	1	11/19/2008 9:47:41 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	OW-29
Lab Order:	0811259	**Collection Date:**	11/14/2008 10:50:00 AM
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/18/2008
Lab ID:	0811259-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2008 9:47:41 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2008 9:47:41 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Styrene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2008 9:47:41 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2008 9:47:41 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2008 9:47:41 AM
Surr: 1,2-Dichloroethane-d4	108	68.1-123		%REC	1	11/19/2008 9:47:41 AM
Surr: 4-Bromofluorobenzene	107	53.2-145		%REC	1	11/19/2008 9:47:41 AM
Surr: Dibromofluoromethane	117	68.5-119		%REC	1	11/19/2008 9:47:41 AM
Surr: Toluene-d8	97.2	64-131		%REC	1	11/19/2008 9:47:41 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	0811259	**Collection Date:**	
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/18/2008
Lab ID:	0811259-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Toluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Ethylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Naphthalene	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 10:16:47 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	11/19/2008 10:16:47 AM
Acetone	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Bromobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Bromodichloromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Bromoform	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Bromomethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2-Butanone	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Carbon disulfide	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Chlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Chloroethane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Chloroform	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Chloromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
4-Chlorotoluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
cis-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Dibromochloromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Dibromomethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
2-Hexanone	ND	10		µg/L	1	11/19/2008 10:16:47 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *01-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	TRIP BLANK
Lab Order:	0811259	**Collection Date:**	
Project:	2008 4th QTR OCD Samples	**Date Received:**	11/18/2008
Lab ID:	0811259-03	**Matrix:**	TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Isopropylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	11/19/2008 10:16:47 AM
Methylene Chloride	ND	3.0		µg/L	1	11/19/2008 10:16:47 AM
n-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
n-Propylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
sec-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Styrene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
tert-Butylbenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
trans-1,2-DCE	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	11/19/2008 10:16:47 AM
Vinyl chloride	ND	1.0		µg/L	1	11/19/2008 10:16:47 AM
Xylenes, Total	ND	1.5		µg/L	1	11/19/2008 10:16:47 AM
Surr: 1,2-Dichloroethane-d4	105	68.1-123		%REC	1	11/19/2008 10:16:47 AM
Surr: 4-Bromofluorobenzene	101	53.2-145		%REC	1	11/19/2008 10:16:47 AM
Surr: Dibromofluoromethane	115	68.5-119		%REC	1	11/19/2008 10:16:47 AM
Surr: Toluene-d8	96.7	64-131		%REC	1	11/19/2008 10:16:47 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 0811259-01a MSD		*MSD*			Batch ID:	**R31254**	Analysis Date:	11/19/2008 12:04:38 AM	
Benzene	22.28	µg/L	1.0	111	84.9	122	2.74	15	
Toluene	18.90	µg/L	1.0	94.5	80.3	114	1.11	15	
Chlorobenzene	18.20	µg/L	1.0	91.0	71.9	134	0.110	15	
1,1-Dichloroethene	24.07	µg/L	1.0	120	88	144	0.852	17.8	
Trichloroethene (TCE)	21.23	µg/L	1.0	106	87.1	114	5.49	19.8	
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 9:42:17 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						

Qualifiers:

–	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples **Work Order:** 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 9:42:17 AM	
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1-Trichlorobenzene	ND	µg/L	1.0						
1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b5		*MBLK*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 10:08:46 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

'ient: Western Refining Southwest, Gallup
ject: 2008 4th QTR OCD Samples **Work Order:** 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b5		*MBLK*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 10:08:46 PM	
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1 1-Dichloroethane	ND	µg/L	1.0						
Dichloroethene	ND	µg/L	1.0						
,_-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						

lifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: 2008 4th QTR OCD Samples

Work Order: 0811259

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b5		*MBLK*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 10:08:46 PM	
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs_c		*LCS*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 12:50:20 PM	
Benzene	22.68	µg/L	1.0	113	88	116			
Toluene	20.53	µg/L	1.0	103	82.9	112			
Chlorobenzene	19.07	µg/L	1.0	95.3	71.4	133			
1,1-Dichloroethene	22.36	µg/L	1.0	112	97.9	140			
Trichloroethene (TCE)	20.64	µg/L	1.0	103	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 11:06:45 PM	
Benzene	22.34	µg/L	1.0	112	88	116			
Toluene	18.26	µg/L	1.0	91.3	82.9	112			
Chlorobenzene	17.47	µg/L	1.0	87.3	71.4	133			
1,1-Dichloroethene	23.70	µg/L	1.0	119	97.9	140			
Trichloroethene (TCE)	20.48	µg/L	1.0	102	90.5	112			
Sample ID: 0811259-01a MS		*MS*			Batch ID:	**R31254**	Analysis Date:	11/18/2008 11:35:42 PM	
[illegible]zene	22.90	µg/L	1.0	115	84.9	122			
[illegible]ene	18.70	µg/L	1.0	93.5	80.3	114			
Chlorobenzene	18.18	µg/L	1.0	90.9	71.9	134			
1,1-Dichloroethene	24.28	µg/L	1.0	121	88	144			
Trichloroethene (TCE)	22.43	µg/L	1.0	112	87.1	114			

Qualifiers:

~	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

ient Name WESTERN REFINING GALLU

Date Received: 11/18/2008

Work Order Number 0811259

Received by: TLS

Checklist completed by: Signature 11/18/08 Date

Sample ID labels checked by: TS Initials

Matrix:

Carrier name FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
ter - Preservation labels on bottle and cap match?	Yes ☐	No ☐	N/A ☑	
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑	
Container/Temp Blank temperature?	5°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Western Refining Gallup Refinery

Mailing Address: Rt 3 Box 7

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:

☒ Standard ☐ Level 4 (Full Validation)

☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name: 2008 4th Qtr OCD Samples

Project #: OW-13, 29

Project Manager: G. Rajen

Sampler: C. Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 5

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0811259	BTEX + MTBE + TMB's (8021B)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
11-13-08	1400	H_2O	OW-13			1	X									X						
11-14-08	1050	H_2O	OW-29			2	X									X						
			TRIP Blank			3																

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-17-08	0830			11/10/08	855
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, December 19, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Quarterly Water Samples 4th Qtr. 2008

Order No.: 0812062

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 5 sample(s) on 12/3/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-EP-1
Lab Order:	0812062	**Collection Date:**	12/2/2008 2:00:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	160	3.0		mg/L	1	12/4/2008
Motor Oil Range Organics (MRO)	35	15		mg/L	1	12/4/2008
Surr: DNOP	139	58-140		%REC	1	12/4/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/L	100	12/8/2008 1:30:23 PM
Surr: BFB	95.6	59.9-122		%REC	100	12/8/2008 1:30:23 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	12	5.0		µg/L	5	12/8/2008 9:11:32 PM
Toluene	85	5.0		µg/L	5	12/8/2008 9:11:32 PM
Ethylbenzene	28	5.0		µg/L	5	12/8/2008 9:11:32 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2,4-Trimethylbenzene	120	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,3,5-Trimethylbenzene	41	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Naphthalene	78	10		µg/L	5	12/8/2008 9:11:32 PM
1-Methylnaphthalene	190	20		µg/L	5	12/8/2008 9:11:32 PM
2-Methylnaphthalene	280	20		µg/L	5	12/8/2008 9:11:32 PM
Acetone	1900	500		µg/L	50	12/8/2008 8:41:37 PM
Bromobenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Bromodichloromethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Bromoform	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Bromomethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
2-Butanone	95	50		µg/L	5	12/8/2008 9:11:32 PM
Carbon disulfide	ND	50		µg/L	5	12/8/2008 9:11:32 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Chlorobenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Chloroethane	ND	10		µg/L	5	12/8/2008 9:11:32 PM
Chloroform	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Chloromethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
2-Chlorotoluene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
4-Chlorotoluene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
cis-1,2-DCE	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/8/2008 9:11:32 PM
Dibromochloromethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Dibromomethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-EP-1
Lab Order:	0812062	**Collection Date:**	12/2/2008 2:00:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,1-Dichloroethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
2,2-Dichloropropane	ND	10		µg/L	5	12/8/2008 9:11:32 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
2-Hexanone	ND	50		µg/L	5	12/8/2008 9:11:32 PM
Isopropylbenzene	6.6	5.0		µg/L	5	12/8/2008 9:11:32 PM
4-Isopropyltoluene	6.7	5.0		µg/L	5	12/8/2008 9:11:32 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/8/2008 9:11:32 PM
Methylene Chloride	ND	15		µg/L	5	12/8/2008 9:11:32 PM
n-Butylbenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
n-Propylbenzene	13	5.0		µg/L	5	12/8/2008 9:11:32 PM
sec-Butylbenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Styrene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
tert-Butylbenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/8/2008 9:11:32 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
trans-1,2-DCE	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/8/2008 9:11:32 PM
Vinyl chloride	ND	5.0		µg/L	5	12/8/2008 9:11:32 PM
Xylenes, Total	210	7.5		µg/L	5	12/8/2008 9:11:32 PM
Surr: 1,2-Dichloroethane-d4	82.1	68.1-123		%REC	5	12/8/2008 9:11:32 PM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	5	12/8/2008 9:11:32 PM
Surr: Dibromofluoromethane	84.6	68.5-119		%REC	5	12/8/2008 9:11:32 PM
Surr: Toluene-d8	89.9	64-131		%REC	5	12/8/2008 9:11:32 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	0812062	**Collection Date:**	12/2/2008 2:15:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	120	3.0		mg/L	1	12/4/2008
Motor Oil Range Organics (MRO)	30	15		mg/L	1	12/4/2008
Surr: DNOP	127	58-140		%REC	1	12/4/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	5.0		mg/L	100	12/8/2008 2:00:45 PM
Surr: BFB	91.6	59.9-122		%REC	100	12/8/2008 2:00:45 PM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Chloride	350	1.0		mg/L	10	12/4/2008 12:13:40 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/9/2008
2-Chlorophenol	ND	50		µg/L	1	12/9/2008
2,4-Dichlorophenol	ND	50		µg/L	1	12/9/2008
2,4-Dimethylphenol	87	50		µg/L	1	12/9/2008
4,6-Dinitro-2-methylphenol	ND	250		µg/L	1	12/9/2008
2,4-Dinitrophenol	ND	250		µg/L	1	12/9/2008
2-Methylphenol	550	75		µg/L	1	12/9/2008
3+4-Methylphenol	860	100		µg/L	1	12/9/2008
2-Nitrophenol	ND	75		µg/L	1	12/9/2008
4-Nitrophenol	ND	250		µg/L	1	12/9/2008
Pentachlorophenol	ND	250		µg/L	1	12/9/2008
Phenol	1500	250		µg/L	5	12/9/2008
Surr: 2,4,6-Tribromophenol	67.4	16.6-150		%REC	1	12/9/2008
Surr: 2-Fluorobiphenyl	49.8	19.6-134		%REC	1	12/9/2008
Surr: 2-Fluorophenol	28.6	9.54-113		%REC	1	12/9/2008
Surr: 4-Terphenyl-d14	48.2	22.7-145		%REC	1	12/9/2008
Surr: Nitrobenzene-d5	47.4	14.6-134		%REC	1	12/9/2008
Surr: Phenol-d5	27.7	10.7-80.3		%REC	1	12/9/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	7.0	5.0		µg/L	5	12/9/2008 12:32:49 AM
Toluene	81	5.0		µg/L	5	12/9/2008 12:32:49 AM
Ethylbenzene	30	5.0		µg/L	5	12/9/2008 12:32:49 AM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2,4-Trimethylbenzene	110	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,3,5-Trimethylbenzene	37	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Naphthalene	72	10		µg/L	5	12/9/2008 12:32:49 AM
1-Methylnaphthalene	140	20		µg/L	5	12/9/2008 12:32:49 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	0812062	**Collection Date:**	12/2/2008 2:15:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2-Methylnaphthalene	220	20		µg/L	5	12/9/2008 12:32:49 AM
Acetone	1700	200		µg/L	20	12/5/2008 6:15:17 AM
Bromobenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Bromodichloromethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Bromoform	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Bromomethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
2-Butanone	100	50		µg/L	5	12/9/2008 12:32:49 AM
Carbon disulfide	ND	50		µg/L	5	12/9/2008 12:32:49 AM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Chlorobenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Chloroethane	ND	10		µg/L	5	12/9/2008 12:32:49 AM
Chloroform	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Chloromethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
2-Chlorotoluene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
4-Chlorotoluene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
cis-1,2-DCE	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/9/2008 12:32:49 AM
Dibromochloromethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Dibromomethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,1-Dichloroethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
2,2-Dichloropropane	ND	10		µg/L	5	12/9/2008 12:32:49 AM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Hexachlorobutadiene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
2-Hexanone	ND	50		µg/L	5	12/9/2008 12:32:49 AM
Isopropylbenzene	7.3	5.0		µg/L	5	12/9/2008 12:32:49 AM
4-Isopropyltoluene	5.5	5.0		µg/L	5	12/9/2008 12:32:49 AM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/9/2008 12:32:49 AM
Methylene Chloride	ND	15		µg/L	5	12/9/2008 12:32:49 AM
n-Butylbenzene	19	5.0		µg/L	5	12/9/2008 12:32:49 AM
n-Propylbenzene	13	5.0		µg/L	5	12/9/2008 12:32:49 AM
sec-Butylbenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Styrene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
tert-Butylbenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1
Lab Order:	0812062	**Collection Date:**	12/2/2008 2:15:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/9/2008 12:32:49 AM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
trans-1,2-DCE	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Trichlorofluoromethane	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/9/2008 12:32:49 AM
Vinyl chloride	ND	5.0		µg/L	5	12/9/2008 12:32:49 AM
Xylenes, Total	230	7.5		µg/L	5	12/9/2008 12:32:49 AM
Surr: 1,2-Dichloroethane-d4	83.7	68.1-123		%REC	5	12/9/2008 12:32:49 AM
Surr: 4-Bromofluorobenzene	96.8	53.2-145		%REC	5	12/9/2008 12:32:49 AM
Surr: Dibromofluoromethane	83.3	68.5-119		%REC	5	12/9/2008 12:32:49 AM
Surr: Toluene-d8	90.2	64-131		%REC	5	12/9/2008 12:32:49 AM
SM4500-H+B: PH						Analyst: KMB
pH	7.62	0.1		pH units	1	12/5/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0812062
Project: Quarterly Water Samples 4th Qtr. 2008
Lab ID: 0812062-03

Client Sample ID: NAPIS-EFF
Collection Date: 12/2/2008 1:45:00 PM
Date Received: 12/3/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	68	3.0		mg/L	1	12/4/2008
Motor Oil Range Organics (MRO)	29	15		mg/L	1	12/4/2008
Surr: DNOP	126	58-140		%REC	1	12/4/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	20	10		mg/L	200	12/6/2008 7:26:00 AM
Surr: BFB	91.1	59.9-122		%REC	200	12/6/2008 7:26:00 AM
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	12	1.0		mg/L	10	12/4/2008 11:56:15 AM
Chloride	160	1.0		mg/L	10	12/4/2008 11:56:15 AM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	12/4/2008 11:56:15 AM
Nitrogen, Nitrate (As N)	1.2	1.0		mg/L	10	12/4/2008 11:56:15 AM
Phosphorus, Orthophosphate (As P)	ND	5.0		mg/L	10	12/4/2008 11:56:15 AM
Sulfate	510	5.0		mg/L	10	12/4/2008 11:56:15 AM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/9/2008
2-Chlorophenol	ND	50		µg/L	1	12/9/2008
2,4-Dichlorophenol	ND	50		µg/L	1	12/9/2008
2,4-Dimethylphenol	120	50		µg/L	1	12/9/2008
4,6-Dinitro-2-methylphenol	ND	250		µg/L	1	12/9/2008
2,4-Dinitrophenol	ND	250		µg/L	1	12/9/2008
2-Methylphenol	620	75		µg/L	1	12/9/2008
3+4-Methylphenol	3200	500		µg/L	5	12/9/2008
2-Nitrophenol	ND	75		µg/L	1	12/9/2008
4-Nitrophenol	ND	250		µg/L	1	12/9/2008
Pentachlorophenol	ND	250		µg/L	1	12/9/2008
Phenol	6800	500		µg/L	10	12/9/2008
Surr: 2,4,6-Tribromophenol	42.6	16.6-150		%REC	1	12/9/2008
Surr: 2-Fluorobiphenyl	78.9	19.6-134		%REC	1	12/9/2008
Surr: 2-Fluorophenol	37.4	9.54-113		%REC	1	12/9/2008
Surr: 4-Terphenyl-d14	65.1	22.7-145		%REC	1	12/9/2008
Surr: Nitrobenzene-d5	85.3	14.6-134		%REC	1	12/9/2008
Surr: Phenol-d5	29.7	10.7-80.3		%REC	1	12/9/2008
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	1400	50		µg/L	50	12/9/2008 1:02:44 AM
Toluene	3300	50		µg/L	50	12/9/2008 1:02:44 AM
Ethylbenzene	360	50		µg/L	50	12/9/2008 1:02:44 AM
Methyl tert-butyl ether (MTBE)	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2,4-Trimethylbenzene	400	50		µg/L	50	12/9/2008 1:02:44 AM

Qualifiers:
- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NAPIS-EFF
Lab Order:	0812062	**Collection Date:**	12/2/2008 1:45:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,3,5-Trimethylbenzene	100	50		µg/L	50	12/9/2008 1:02:44 AM
1,2-Dichloroethane (EDC)	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2-Dibromoethane (EDB)	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Naphthalene	430	100		µg/L	50	12/9/2008 1:02:44 AM
1-Methylnaphthalene	290	200		µg/L	50	12/9/2008 1:02:44 AM
2-Methylnaphthalene	460	200		µg/L	50	12/9/2008 1:02:44 AM
Acetone	4700	500		µg/L	50	12/9/2008 1:02:44 AM
Bromobenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Bromodichloromethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Bromoform	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Bromomethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
2-Butanone	ND	500		µg/L	50	12/9/2008 1:02:44 AM
Carbon disulfide	ND	500		µg/L	50	12/9/2008 1:02:44 AM
Carbon Tetrachloride	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Chlorobenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Chloroethane	ND	100		µg/L	50	12/9/2008 1:02:44 AM
Chloroform	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Chloromethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
2-Chlorotoluene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
4-Chlorotoluene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
cis-1,2-DCE	ND	50		µg/L	50	12/9/2008 1:02:44 AM
cis-1,3-Dichloropropene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2-Dibromo-3-chloropropane	ND	100		µg/L	50	12/9/2008 1:02:44 AM
Dibromochloromethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Dibromomethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2-Dichlorobenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,3-Dichlorobenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,4-Dichlorobenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Dichlorodifluoromethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,1-Dichloroethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,1-Dichloroethene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2-Dichloropropane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,3-Dichloropropane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
2,2-Dichloropropane	ND	100		µg/L	50	12/9/2008 1:02:44 AM
1,1-Dichloropropene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Hexachlorobutadiene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
2-Hexanone	ND	500		µg/L	50	12/9/2008 1:02:44 AM
Isopropylbenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
4-Isopropyltoluene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
4-Methyl-2-pentanone	ND	500		µg/L	50	12/9/2008 1:02:44 AM
Methylene Chloride	ND	150		µg/L	50	12/9/2008 1:02:44 AM
n-Butylbenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0812062
Project: Quarterly Water Samples 4th Qtr. 2008
Lab ID: 0812062-03

Client Sample ID: NAPIS-EFF
Collection Date: 12/2/2008 1:45:00 PM
Date Received: 12/3/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
n-Propylbenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
sec-Butylbenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Styrene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
tert-Butylbenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,1,1,2-Tetrachloroethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,1,2,2-Tetrachloroethane	ND	100		µg/L	50	12/9/2008 1:02:44 AM
Tetrachloroethene (PCE)	ND	50		µg/L	50	12/9/2008 1:02:44 AM
trans-1,2-DCE	ND	50		µg/L	50	12/9/2008 1:02:44 AM
trans-1,3-Dichloropropene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2,3-Trichlorobenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2,4-Trichlorobenzene	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,1,1-Trichloroethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,1,2-Trichloroethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Trichloroethene (TCE)	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Trichlorofluoromethane	ND	50		µg/L	50	12/9/2008 1:02:44 AM
1,2,3-Trichloropropane	ND	100		µg/L	50	12/9/2008 1:02:44 AM
Vinyl chloride	ND	50		µg/L	50	12/9/2008 1:02:44 AM
Xylenes, Total	1900	75		µg/L	50	12/9/2008 1:02:44 AM
Surr: 1,2-Dichloroethane-d4	83.6	68.1-123		%REC	50	12/9/2008 1:02:44 AM
Surr: 4-Bromofluorobenzene	94.9	53.2-145		%REC	50	12/9/2008 1:02:44 AM
Surr: Dibromofluoromethane	89.5	68.5-119		%REC	50	12/9/2008 1:02:44 AM
Surr: Toluene-d8	85.5	64-131		%REC	50	12/9/2008 1:02:44 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	2200	0.010		µmhos/cm	1	12/4/2008
SM4500-H+B: PH						Analyst: KMB
pH	8.63	0.1		pH units	1	12/5/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0812062	**Collection Date:**	12/2/2008 1:30:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE						Analyst: SCC
Diesel Range Organics (DRO)	10	3.0		mg/L	1	12/4/2008
Motor Oil Range Organics (MRO)	ND	15		mg/L	1	12/4/2008
Surr: DNOP	130	58-140		%REC	1	12/4/2008
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.50		mg/L	10	12/8/2008 2:31:12 PM
Surr: BFB	101	59.9-122		%REC	10	12/8/2008 2:31:12 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Toluene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Ethylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Naphthalene	ND	2.0		µg/L	1	12/9/2008 1:31:13 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/9/2008 1:31:13 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/9/2008 1:31:13 AM
Acetone	58	10		µg/L	1	12/9/2008 1:31:13 AM
Bromobenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Bromoform	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Bromomethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
2-Butanone	ND	10		µg/L	1	12/9/2008 1:31:13 AM
Carbon disulfide	ND	10		µg/L	1	12/9/2008 1:31:13 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Chlorobenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Chloroethane	ND	2.0		µg/L	1	12/9/2008 1:31:13 AM
Chloroform	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Chloromethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/9/2008 1:31:13 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Dibromomethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pilot Effluent
Lab Order:	0812062	**Collection Date:**	12/2/2008 1:30:00 PM
Project:	Quarterly Water Samples 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812062-04	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/9/2008 1:31:13 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
2-Hexanone	ND	10		µg/L	1	12/9/2008 1:31:13 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/9/2008 1:31:13 AM
Methylene Chloride	ND	3.0		µg/L	1	12/9/2008 1:31:13 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Styrene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/9/2008 1:31:13 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/9/2008 1:31:13 AM
Vinyl chloride	ND	1.0		µg/L	1	12/9/2008 1:31:13 AM
Xylenes, Total	ND	1.5		µg/L	1	12/9/2008 1:31:13 AM
Surr: 1,2-Dichloroethane-d4	83.1	68.1-123		%REC	1	12/9/2008 1:31:13 AM
Surr: 4-Bromofluorobenzene	96.5	53.2-145		%REC	1	12/9/2008 1:31:13 AM
Surr: Dibromofluoromethane	86.2	68.5-119		%REC	1	12/9/2008 1:31:13 AM
Surr: Toluene-d8	86.3	64-131		%REC	1	12/9/2008 1:31:13 AM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0812062
Project: Quarterly Water Samples 4th Qtr. 2008
Lab ID: 0812062-05

Client Sample ID: Trip Blank
Collection Date:
Date Received: 12/3/2008
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: GASOLINE RANGE						Analyst: DAM
Gasoline Range Organics (GRO)	ND	0.050		mg/L	1	12/6/2008 9:27:35 AM
Surr: BFB	85.2	59.9-122		%REC	1	12/6/2008 9:27:35 AM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Toluene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Ethylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Naphthalene	ND	2.0		µg/L	1	12/5/2008 7:44:12 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 7:44:12 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 7:44:12 AM
Acetone	ND	10		µg/L	1	12/5/2008 7:44:12 AM
Bromobenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Bromoform	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Bromomethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
2-Butanone	ND	10		µg/L	1	12/5/2008 7:44:12 AM
Carbon disulfide	ND	10		µg/L	1	12/5/2008 7:44:12 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Chlorobenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Chloroethane	ND	2.0		µg/L	1	12/5/2008 7:44:12 AM
Chloroform	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Chloromethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/5/2008 7:44:12 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Dibromomethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *19-Dec-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0812062
Project: Quarterly Water Samples 4th Qtr. 2008
Lab ID: 0812062-05

Client Sample ID: Trip Blank
Collection Date:
Date Received: 12/3/2008
Matrix: TRIP BLANK

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
2,2-Dichloropropane	ND	2.0		µg/L	1	12/5/2008 7:44:12 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
2-Hexanone	ND	10		µg/L	1	12/5/2008 7:44:12 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2008 7:44:12 AM
Methylene Chloride	ND	3.0		µg/L	1	12/5/2008 7:44:12 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Styrene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/5/2008 7:44:12 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/5/2008 7:44:12 AM
Vinyl chloride	ND	1.0		µg/L	1	12/5/2008 7:44:12 AM
Xylenes, Total	ND	1.5		µg/L	1	12/5/2008 7:44:12 AM
Surr: 1,2-Dichloroethane-d4	106	68.1-123		%REC	1	12/5/2008 7:44:12 AM
Surr: 4-Bromofluorobenzene	106	53.2-145		%REC	1	12/5/2008 7:44:12 AM
Surr: Dibromofluoromethane	109	68.5-119		%REC	1	12/5/2008 7:44:12 AM
Surr: Toluene-d8	101	64-131		%REC	1	12/5/2008 7:44:12 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0812062
Order: 08120149 HAL03 Receipt: 12-04-08

William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0812062-02D EP-1*** Collected: *12-02-08 14:15:00* By:
trix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120149-001A		**EPA 410.1 Chemical Oxygen Demand**					By:	ECC		
WCOD-08-050	WC.2008.3305.14	C-004	Chemical Oxygen Demand	840	mg/L	1	10		12-17-08	12-18-08

Sample: ***0812062-02E EP-1*** Collected: *12-02-08 14:15:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120149-002A		**EPA 405.1 Biochemical Oxygen Demand**					By:	JKG		
BOD080141	WC.2008.3231.4	10-26-4	Biochemical Oxygen Demand	231	mg/L	1	4	H	12-05-08	12-10-08

Sample: ***0812062-04B PILOT EFFLUENT*** Collected: *12-02-08 13:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120149-003A		**EPA 405.1 Biochemical Oxygen Demand**					By:	JKG		
BOD080141	WC.2008.3231.12	10-26-4	Biochemical Oxygen Demand	336	mg/L	1	4	H	12-05-08	12-10-08

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0812062**
Order: **08120149** **HAL03** Receipt: **12-04-08**

Sample: ***0812062-04C PILOT EFFLUENT*** Collected: *12-02-08 13:30:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120149-004A		**EPA 410.1 Chemical Oxygen Demand**					By:	ECC		
WCOD-08-050	WC.2008.3305.15	C-004	Chemical Oxygen Demand	642	mg/L	1	10		12-17-08	12-18-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 14, 2008

ESC Sample # : L378043-01

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : AL-2-EP-1

Project # : 0812062

Collected By :
Collection Date : 12/02/08 14:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.00048	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.020	mg/l	6010B	12/13/08	1
Barium	0.20	0.0050	mg/l	6010B	12/13/08	1
Cadmium	BDL	0.0050	mg/l	6010B	12/13/08	1
Chromium	BDL	0.010	mg/l	6010B	12/13/08	1
Copper	BDL	0.020	mg/l	6010B	12/13/08	1
Iron	6.8	0.10	mg/l	6010B	12/13/08	1
Lead	BDL	0.0050	mg/l	6010B	12/13/08	1
Manganese	0.40	0.010	mg/l	6010B	12/13/08	1
Selenium	0.034	0.020	mg/l	6010B	12/13/08	1
Silver	BDL	0.010	mg/l	6010B	12/13/08	1
Zinc	0.59	0.030	mg/l	6010B	12/13/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 12/14/08 08:33 Printed: 12/14/08 08:33

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REPORT OF ANALYSIS

December 14, 2008

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

ESC Sample # : L378043-02

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : NAPIS-EFF

Project # : 0812062

Collected By :
Collection Date : 12/02/08 13:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	0.00026	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.020	mg/l	6010B	12/13/08	1
Barium	0.11	0.0050	mg/l	6010B	12/13/08	1
Cadmium	BDL	0.0050	mg/l	6010B	12/13/08	1
Chromium	BDL	0.010	mg/l	6010B	12/13/08	1
Copper	BDL	0.020	mg/l	6010B	12/13/08	1
Iron	1.8	0.10	mg/l	6010B	12/13/08	1
Lead	BDL	0.0050	mg/l	6010B	12/13/08	1
Manganese	0.17	0.010	mg/l	6010B	12/13/08	1
Selenium	BDL	0.020	mg/l	6010B	12/13/08	1
Silver	BDL	0.010	mg/l	6010B	12/13/08	1
Zinc	0.23	0.030	mg/l	6010B	12/13/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Reported: 12/14/08 08:33 Printed: 12/14/08 08:33

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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 14, 2008

ESC Sample # : L378043-03

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : PILOT EFFLUENT

Project # : 0812062

Collected By :
Collection Date : 12/02/08 13:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.020	mg/l	6010B	12/13/08	1
Barium	0.021	0.0050	mg/l	6010B	12/13/08	1
Cadmium	BDL	0.0050	mg/l	6010B	12/13/08	1
Calcium	220	0.50	mg/l	6010B	12/13/08	1
Chromium	BDL	0.010	mg/l	6010B	12/13/08	1
Copper	0.040	0.020	mg/l	6010B	12/13/08	1
Iron	0.36	0.10	mg/l	6010B	12/13/08	1
Lead	BDL	0.0050	mg/l	6010B	12/13/08	1
Magnesium	51.	0.10	mg/l	6010B	12/13/08	1
Manganese	0.086	0.010	mg/l	6010B	12/13/08	1
Potassium	31.	0.50	mg/l	6010B	12/13/08	1
Selenium	BDL	0.020	mg/l	6010B	12/13/08	1
Silver	BDL	0.010	mg/l	6010B	12/13/08	1
Sodium	260	0.50	mg/l	6010B	12/13/08	1
Zinc	0.068	0.030	mg/l	6010B	12/13/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 12/14/08 08:33 Printed: 12/14/08 08:33

Attachment A
List of Analytes with QC Qualifiers

Sample Number	Work Group	Sample Type	Analyte	Run ID	Qualifier
L378043-03	WG397608	SAMP	Sodium	R560925	B

Attachment B
Explanation of QC Qualifier Codes

Qualifier	Meaning
B	(EPA) - The indicated compound was found in the associated method blank as well as the laboratory sample.

Qualifier Report Information

ESC utilizes sample and result qualifiers as set forth by the EPA Contract Laboratory Program and as required by most certifying bodies including NELAC. In addition to the EPA qualifiers adopted by ESC, we have implemented ESC qualifiers to provide more information pertaining to our analytical results. Each qualifier is designated in the qualifier explanation as either EPA or ESC. Data qualifiers are intended to provide the ESC client with more detailed information concerning the potential bias of reported data. Because of the wide range of constituents and variety of matrices incorporated by most EPA methods,it is common for some compounds to fall outside of established ranges. These exceptions are evaluated and all reported data is valid and useable unless qualified as 'R' (Rejected).

Definitions

Accuracy - The relationship of the observed value of a known sample to the true value of a known sample. Represented by percent recovery and relevant to samples such as: control samples, matrix spike recoveries, surrogate recoveries, etc.

Precision - The agreement between a set of samples or between duplicate samples. Relates to how close together the results are and is represented by Relative Percent Differrence.

Surrogate - Organic compounds that are similar in chemical composition, extraction, and chromotography to analytes of interest. The surrogates are used to determine the probable response of the group of analytes that are chemically related to the surrogate compound. Surrogates are added to the sample and carried through all stages of preparation and analyses.

TIC - Tentatively Identified Compound: Compounds detected in samples that are not target compounds, internal standards, system monitoring compounds, or surrogates.

Summary of Remarks For Samples Printed
12/14/08 at 08:33:31

TSR Signing Reports: 288
R5 - Desired TAT

DO NOT USE Lab Id's as sample name. Use Client Sample ID names Dissolved metals are field filtered unless otherwise noted

Sample: L378043-01 Account: HALLENVANM Received: 12/05/08 09:00 Due Date: 12/12/08 00:00 RPT Date: 12/14/08 08:33

Sample: L378043-02 Account: HALLENVANM Received: 12/05/08 09:00 Due Date: 12/12/08 00:00 RPT Date: 12/14/08 08:33
Add total Ca, Mg, K and Na
Sample: L378043-03 Account: HALLENVANM Received: 12/05/08 09:00 Due Date: 12/12/08 00:00 RPT Date: 12/14/08 08:33

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Albuquerque, NM 87109

Quality Assurance Report
Level II

L378043

December 14, 2008

Laboratory Blank

Analyte	Result	Units	% Rec	Limit	Batch	Date Analyzed
Mercury	< .00020	mg/l			WG397127	12/07/08 16:39
Arsenic	< .02	mg/l			WG397608	12/13/08 00:25
Barium	< .005	mg/l			WG397608	12/13/08 00:25
Cadmium	< .005	mg/l			WG397608	12/13/08 00:25
Calcium	< .5	mg/l			WG397608	12/13/08 00:25
Chromium	< .01	mg/l			WG397608	12/13/08 00:25
Copper	< .02	mg/l			WG397608	12/13/08 00:25
Iron	< .1	mg/l			WG397608	12/13/08 00:25
Lead	< .005	mg/l			WG397608	12/13/08 00:25
Magnesium	< .1	mg/l			WG397608	12/13/08 00:25
Manganese	< .01	mg/l			WG397608	12/13/08 00:25
Potassium	< .5	mg/l			WG397608	12/13/08 00:25
Selenium	< .02	mg/l			WG397608	12/13/08 00:25
Silver	< .01	mg/l			WG397608	12/13/08 00:25
Sodium	< .873	mg/l			WG397608	12/13/08 00:25
Zinc	< .03	mg/l			WG397608	12/13/08 00:25

Duplicate

Analyte	Units	Result	Duplicate	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.00025	0.00025	0.00	20	L378095-08	WG397127
Arsenic	mg/l	0.00	0.00660	NA*	20	L378105-02	WG397608
Barium	mg/l	0.0112	0.0109	2.71	20	L378105-02	WG397608
Cadmium	mg/l	0.00	0.00016	NA*	20	L378105-02	WG397608
Calcium	mg/l	149.	148.	0.673	20	L378105-02	WG397608
Chromium	mg/l	0.00	0.00	0.00	20	L378105-02	WG397608
Copper	mg/l	0.00	0.00	0.00	20	L378105-02	WG397608
Iron	mg/l	3.48	3.50	0.573	20	L378105-02	WG397608
Lead	mg/l	0.00	0.0000	0.00	20	L378105-02	WG397608
Magnesium	mg/l	3.71	3.67	1.08	20	L378105-02	WG397608
Manganese	mg/l	0.742	0.740	0.270	20	L378105-02	WG397608
Potassium	mg/l	0.910	0.942	3.13	20	L378105-02	WG397608
Selenium	mg/l	0.00	0.00650	NA*	20	L378105-02	WG397608
Silver	mg/l	0.0157	0.00500	103.*	20	L378105-02	WG397608
Sodium	mg/l	10.8	10.0	7.69	20	L378105-02	WG397608
Zinc	mg/l	0.00	0.0232	NA*	20	L378105-02	WG397608

Laboratory Control Sample

Analyte	Units	Known Val	Result	% Rec	Limit	Batch
Mercury	mg/l	.00285	0.00285	99.8	85-115	WG397127
Arsenic	mg/l	1.13	1.06	93.8	85-115	WG397608
Barium	mg/l	1.13	1.12	99.	85-115	WG397608
Cadmium	mg/l	1.13	1.10	97.3	85-115	WG397608
Calcium	mg/l	11.3	11.0	97.3	85-115	WG397608
Chromium	mg/l	1.13	1.06	93.8	85-115	WG397608
Copper	mg/l	1.13	1.09	96.5	85-115	WG397608
Iron	mg/l	1.13	1.16	103.	85-115	WG397608
Lead	mg/l	1.13	1.08	95.6	85-115	WG397608
Magnesium	mg/l	11.3	11.2	99.1	85-115	WG397608
Manganese	mg/l	1.13	1.09	96.5	85-115	WG397608
Potassium	mg/l	11.3	11.0	97.2	85-115	WG397608

* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L378043

December 14, 2008

Analyte	Units	Laboratory Control Sample Known Val	Result	% Rec	Limit	Batch
Selenium	mg/l	1.13	1.01	89.4	85-115	WG397608
Silver	mg/l	1.13	1.06	93.8	85-115	WG397608
Sodium	mg/l	11.3	12.4	110.	85-115	WG397608
Zinc	mg/l	1.04	1.08	95.6	85-115	WG397608

Analyte	Units	Matrix Spike MS Res	Ref Res	TV	% Rec	Limit	Ref Samp	Batch
Mercury	mg/l	0.003	0.000	0.003	100.	70-130	L378096-08	WG397127
Arsenic	mg/l	1.07	0.006	1.13	94.1	75-125	L378105-02	WG397608
Barium	mg/l	1.12	0.010	1.13	98.9	75-125	L378105-02	WG397608
Cadmium	mg/l	1.11	0.000	1.13	98.2	75-125	L378105-02	WG397608
Calcium	mg/l	157.	148.	11.3	79.6	75-125	L378105-02	WG397608
Chromium	mg/l	1.03	0.00	1.13	92.9	75-125	L378105-02	WG397608
Copper	mg/l	1.12	0.00	1.13	99.1	75-125	L378105-02	WG397608
Iron	mg/l	4.64	3.50	1.13	101.	75-125	L378105-02	WG397608
Lead	mg/l	1.07	0.000	1.13	94.7	75-125	L378105-02	WG397608
Magnesium	mg/l	14.8	3.67	11.3	98.5	75-125	L378105-02	WG397608
Manganese	mg/l	1.83	0.740	1.13	96.5	75-125	L378105-02	WG397608
Potassium	mg/l	12.2	0.942	11.3	99.6	75-125	L378105-02	WG397608
Selenium	mg/l	1.01	0.006	1.13	88.8	75-125	L378105-02	WG397608
Silver	mg/l	0.248	0.005	1.13	21.5*	75-125	L378105-02	WG397608
Sodium	mg/l	22.5	10.0	11.3	107.	75-125	L378105-02	WG397608
Zinc	mg/l	1.11	0.023	1.13	96.2	75-125	L378105-02	WG397608

Analyte	Units	Matrix Spike Duplicate MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Mercury	mg/l	0.003	0.000	104.	70-130	4.24	20	L378096-08	WG397127
Arsenic	mg/l	1.08	1.07	95.0	75-125	0.93	20	L378105-02	WG397608
Barium	mg/l	1.14	1.12	99.9	75-125	1.77	20	L378105-02	WG397608
Cadmium	mg/l	1.11	1.11	98.2	75-125	0.00	20	L378105-02	WG397608
Calcium	mg/l	156.	157.	70.79	75-125	0.63	20	L378105-02	WG397608
Chromium	mg/l	1.08	1.03	95.6	75-125	2.92	20	L378105-02	WG397608
Copper	mg/l	1.14	1.12	101.	75-125	1.77	20	L378105-02	WG397608
Iron	mg/l	4.68	4.64	104.	75-125	0.85	20	L378105-02	WG397608
Lead	mg/l	1.08	1.07	95.6	75-125	0.93	20	L378105-02	WG397608
Magnesium	mg/l	14.8	14.8	98.5	75-125	0.00	20	L378105-02	WG397608
Manganese	mg/l	1.86	1.83	99.1	75-125	1.63	20	L378105-02	WG397608
Potassium	mg/l	12.3	12.2	106.	75-125	0.98	20	L378105-02	WG397608
Selenium	mg/l	1.02	1.01	89.7	75-125	0.98	20	L378105-02	WG397608
Silver	mg/l	0.26	0.24	22.74	75-125	5.49	20	L378105-02	WG397608
Sodium	mg/l	22.5	22.5	111.	75-125	0.00	20	L378105-02	WG397608
Zinc	mg/l	1.11	1.11	96.2	75-125	0.00	20	L378105-02	WG397608

Batch number /Run number / Sample number cross reference

WG397127: R554467: L378043-01 02 03
WG397608: R560925 R560926: L378043-02 03 01

* * Calculations are performed prior to rounding of reported values .
* Performance of this Analyte is outside of established criteria.
For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'

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Quality Assurance Report
Level II

L378043

December 14, 2008

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R31476**	Analysis Date:	12/4/2008 7:35:07 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R31476**	Analysis Date:	12/4/2008 7:52:32 AM	
Fluoride	0.5170	mg/L	0.10	103	90	110			
Chloride	4.732	mg/L	0.10	94.6	90	110			
Nitrogen, Nitrite (As N)	0.9812	mg/L	0.10	98.1	90	110			
Nitrogen, Nitrate (As N)	2.416	mg/L	0.10	96.6	90	110			
Phosphorus, Orthophosphate (As P)	4.933	mg/L	0.50	98.7	90	110			
Sulfate	9.850	mg/L	0.50	98.5	90	110			
Method: EPA Method 8015B: Diesel Range									
Sample ID: MB-17780		*MBLK*			Batch ID:	**17780**	Analysis Date:	12/4/2008	
Diesel Range Organics (DRO)	ND	mg/L	1.0						
otor Oil Range Organics (MRO)	ND	mg/L	5.0						
ıple ID: LCS-17780		*LCS*			Batch ID:	**17780**	Analysis Date:	12/4/2008	
Diesel Range Organics (DRO)	5.948	mg/L	1.0	119	74	157			
Sample ID: LCSD-17780		*LCSD*			Batch ID:	**17780**	Analysis Date:	12/4/2008	
Diesel Range Organics (DRO)	6.288	mg/L	1.0	126	74	157	5.55	23	
Method: EPA Method 8015B: Gasoline Range									
Sample ID: 5ML RB		*MBLK*			Batch ID:	**R31504**	Analysis Date:	12/5/2008 9:39:15 AM	
Gasoline Range Organics (GRO)	ND	mg/L	0.050						
Sample ID: 2.5UG GRO LCS		*LCS*			Batch ID:	**R31504**	Analysis Date:	12/6/2008 4:23:42 AM	
Gasoline Range Organics (GRO)	0.5210	mg/L	0.050	104	80	115			
Sample ID: 2.5UG GRO LCSD		*LCSD*			Batch ID:	**R31504**	Analysis Date:	12/6/2008 4:54:05 AM	
Gasoline Range Organics (GRO)	0.5006	mg/L	0.050	100	80	115	3.99	8.39	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17812		*MBLK*			Batch ID:	**17812**	Analysis Date:		12/9/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
Sample ID: lcs-17812		*LCS*			Batch ID:	**17812**	Analysis Date:		12/9/2008
4-Chloro-3-methylphenol	110.7	µg/L	10	55.4	15.4	119			
2-Chlorophenol	115.2	µg/L	10	55.3	12.2	122			
4-Nitrophenol	49.14	µg/L	10	24.6	12.5	87.4			
Pentachlorophenol	95.68	µg/L	20	47.8	3.55	114			
'henol	60.06	µg/L	10	30.0	7.53	73.1			
mple ID: lcsd-17812		*LCSD*			Batch ID:	**17812**	Analysis Date:		12/9/2008
4-Chloro-3-methylphenol	104.9	µg/L	10	52.5	15.4	119	5.40	28.6	
2-Chlorophenol	103.7	µg/L	10	49.6	12.2	122	10.5	107	
4-Nitrophenol	34.54	µg/L	10	17.3	12.5	87.4	34.9	36.3	
Pentachlorophenol	77.24	µg/L	20	38.6	3.55	114	21.3	49	
Phenol	57.84	µg/L	10	28.9	7.53	73.1	3.77	52.4	

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008 **Work Order:** 0812062

Method: EPA Method 8260B: VOLATILES
Sample ID: b3 *MBLK* Batch ID: R31477 Analysis Date: 12/4/2008 11:53:30 PM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
arbon disulfide	ND	µg/L	10						
bon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b3		*MBLK*			Batch ID:	**R31477**	Analysis Date:	12/4/2008 11:53:30 PM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
ichlorofluoromethane	ND	µg/L	1.0						
3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31510**	Analysis Date:	12/5/2008 1:43:50 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
hloroform	ND	µg/L	1.0						

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*				Batch ID: **R31510**	Analysis Date:	12/5/2008 1:43:50 PM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1-Dichloropropene	ND	µg/L	1.0						
achlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
ample ID: b6		*MBLK*				Batch ID: **R31510**	Analysis Date:	12/5/2008 11:46:23 PM	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Method: EPA Method 8260B: VOLATILES

Sample ID: b6 *MBLK* — Batch ID: R31510 — Analysis Date: 12/5/2008 11:46:23 PM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
rbon disulfide	ND	µg/L	10						
on Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
Isopropyltoluene	ND	µg/L	1.0						

alifiers:

E Estimated value
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b6		*MBLK*							
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
chlorofluoromethane	ND	µg/L	1.0						
3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*							
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
chloroform	ND	µg/L	1.0						

Batch ID: R31510 Analysis Date: 12/5/2008 11:46:23 PM

Batch ID: R31528 Analysis Date: 12/8/2008 8:51:10 AM

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*							
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1-Dichloropropene	ND	µg/L	1.0						
xachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b4		*MBLK*							

Batch ID: R31528 Analysis Date: 12/8/2008 8:51:10 AM

Batch ID: R31528 Analysis Date: 12/9/2008 12:02:54 AM

Qualifiers:

- E Estimated value
- J Analyte detected below quantitation limits
- R RPD outside accepted recovery limits
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008 **Work Order:** 0812062

Method: EPA Method 8260B: VOLATILES
Sample ID: b4 *MBLK* Batch ID: R31528 Analysis Date: 12/9/2008 12:02:54 AM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
arbon disulfide	ND	µg/L	10						
bon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
Isopropyltoluene	ND	µg/L	1.0						

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b4		*MBLK*			Batch ID:	**R31528**	Analysis Date:	12/9/2008 12:02:54 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
ichlorofluoromethane	ND	µg/L	1.0						
3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31477**	Analysis Date:	12/5/2008 1:20:30 AM	
Benzene	20.78	µg/L	1.0	104	88	116			
Toluene	18.06	µg/L	1.0	90.3	82.9	112			
Chlorobenzene	17.88	µg/L	1.0	89.4	71.4	133			
1,1-Dichloroethene	21.17	µg/L	1.0	106	97.9	140			
Trichloroethene (TCE)	19.05	µg/L	1.0	95.3	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31510**	Analysis Date:	12/5/2008 2:54:42 PM	
Benzene	19.84	µg/L	1.0	99.2	88	116			
Toluene	17.30	µg/L	1.0	85.5	82.9	112			
Chlorobenzene	17.06	µg/L	1.0	85.3	71.4	133			
1,1-Dichloroethene	21.47	µg/L	1.0	107	97.9	140			
Trichloroethene (TCE)	19.37	µg/L	1.0	96.9	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31510**	Analysis Date:	12/6/2008 12:44:25 AM	
Benzene	21.14	µg/L	1.0	106	88	116			
Toluene	17.86	µg/L	1.0	88.3	82.9	112			
Chlorobenzene	18.08	µg/L	1.0	90.4	71.4	133			
1,1-Dichloroethene	20.54	µg/L	1.0	103	97.9	140			
Trichloroethene (TCE)	19.77	µg/L	1.0	98.9	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31528**	Analysis Date:	12/8/2008 9:58:33 AM	
Benzene	18.87	µg/L	1.0	94.4	88	116			
Toluene	17.76	µg/L	1.0	88.8	82.9	112			
hlorobenzene	19.37	µg/L	1.0	96.8	71.4	133			

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Quarterly Water Samples 4th Qtr. 2008

Work Order: 0812062

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31528**	Analysis Date:	12/8/2008 9:58:33 AM	
1,1-Dichloroethene	21.09	µg/L	1.0	105	97.9	140			
Trichloroethene (TCE)	18.40	µg/L	1.0	92.0	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31528**	Analysis Date:	12/8/2008 10:37:17 PM	
Benzene	18.98	µg/L	1.0	94.9	88	116			
Toluene	16.60	µg/L	1.0	83.0	82.9	112			
Chlorobenzene	18.51	µg/L	1.0	92.6	71.4	133			
1,1-Dichloroethene	20.62	µg/L	1.0	103	97.9	140			
Trichloroethene (TCE)	18.53	µg/L	1.0	92.7	90.5	112			

Qualifiers:

E Estimated value
J Analyte detected below quantitation limits
R RPD outside accepted recovery limits
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
S Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 12/3/2008

Work Order Number 0812062

Received by: AT

Sample ID labels checked by: _____ Initials

Checklist completed by: _____ Signature 12/3/08 Date

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	4°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Ch[illegible]-of-Custody Record

Client: Western Refining Company - Gallup

Mailing Address: Route 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other _____
☐ EDD (Type) _____

Turn-Around Time:
☐ Standard ☐ Rush _____

Project Name: Quarterly Water Sample 4th Qtr. 2008

Project #:

Project Manager: Gamar Rojas

Sampler: Cheryl Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0812-0622	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	~~TPH (Method 418.1)~~ pH	EDB (Method 504.1)	8310 (PNA or PAH)	~~RCRA 8~~ Metals WQCC Total	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD - COD	Gen Chem	Chloride - 300.1	Phenol by 8270	Air Bubbles (Y or N)
12-2-08	1400	H_2O	AL-2-EP-1			-1			X				X			X						
"	1415	"	EP-1			-2			X	X						X		X		X	X	
"	1345	"	NAPIS-EFF			-3			X				X			X	X		X			
"	1330	"	Pilot Effluent			-4			X				X			X		X				
			Trip Blank			-5			X							X						

Date:	Time:	Relinquished by:	Received by:	Date	Time
12-3-08	1130	Steve Ahrb	[signature]	12/3/08	1130
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem = Cations, Anions, pH, and conductivity.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, December 29, 2008

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: Evaporation Ponds 1 thru 8 4th Qtr. 2008

Order No.: 0812045

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 16 sample(s) on 12/3/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc. **Date:** *29-Dec-08*

CLIENT: Western Refining Southwest, Gallup
Project: Evaporation Ponds 1 thru 8 4th Qtr. 2008
Lab Order: 0812045

CASE NARRATIVE

Analytical Comments for METHOD 8260_W, SAMPLE 0812045-13a: pH=7.0 Analytical Comments for METHOD 8260_W, SAMPLE 0812045-16a: pH=7.0

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	0812045	**Collection Date:**	12/2/2008 2:15:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	110	5.0		mg/L	50	12/3/2008 10:00:35 PM
Chloride	360	1.0		mg/L	10	12/3/2008 9:43:11 PM
Nitrogen, Nitrite (As N)	ND	1.0		mg/L	10	12/3/2008 9:43:11 PM
Nitrogen, Nitrate (As N)	ND	1.0		mg/L	10	12/3/2008 9:43:11 PM
Phosphorus, Orthophosphate (As P)	7.2	5.0		mg/L	10	12/3/2008 9:43:11 PM
Sulfate	780	25		mg/L	50	12/3/2008 10:00:35 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	8.3	5.0		µg/L	5	12/9/2008 3:16:59 PM
Toluene	89	5.0		µg/L	5	12/9/2008 3:16:59 PM
Ethylbenzene	33	5.0		µg/L	5	12/9/2008 3:16:59 PM
Methyl tert-butyl ether (MTBE)	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2,4-Trimethylbenzene	130	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,3,5-Trimethylbenzene	46	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2-Dichloroethane (EDC)	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2-Dibromoethane (EDB)	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Naphthalene	74	10		µg/L	5	12/9/2008 3:16:59 PM
1-Methylnaphthalene	140	20		µg/L	5	12/9/2008 3:16:59 PM
2-Methylnaphthalene	220	20		µg/L	5	12/9/2008 3:16:59 PM
Acetone	1000	200		µg/L	20	12/9/2008 6:17:43 AM
Bromobenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Bromodichloromethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Bromoform	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Bromomethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
2-Butanone	94	50		µg/L	5	12/9/2008 3:16:59 PM
Carbon disulfide	ND	50		µg/L	5	12/9/2008 3:16:59 PM
Carbon Tetrachloride	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Chlorobenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Chloroethane	ND	10		µg/L	5	12/9/2008 3:16:59 PM
Chloroform	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Chloromethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
2-Chlorotoluene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
4-Chlorotoluene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
cis-1,2-DCE	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
cis-1,3-Dichloropropene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2-Dibromo-3-chloropropane	ND	10		µg/L	5	12/9/2008 3:16:59 PM
Dibromochloromethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Dibromomethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2-Dichlorobenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,3-Dichlorobenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,4-Dichlorobenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Dichlorodifluoromethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 1
Lab Order:	0812045	**Collection Date:**	12/2/2008 2:15:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-09	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1-Dichloroethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,1-Dichloroethene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2-Dichloropropane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,3-Dichloropropane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
2,2-Dichloropropane	ND	10		µg/L	5	12/9/2008 3:16:59 PM
1,1-Dichloropropene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Hexachlorobutadiene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
2-Hexanone	ND	50		µg/L	5	12/9/2008 3:16:59 PM
Isopropylbenzene	8.1	5.0		µg/L	5	12/9/2008 3:16:59 PM
4-Isopropyltoluene	7.2	5.0		µg/L	5	12/9/2008 3:16:59 PM
4-Methyl-2-pentanone	ND	50		µg/L	5	12/9/2008 3:16:59 PM
Methylene Chloride	ND	15		µg/L	5	12/9/2008 3:16:59 PM
n-Butylbenzene	21	5.0		µg/L	5	12/9/2008 3:16:59 PM
n-Propylbenzene	15	5.0		µg/L	5	12/9/2008 3:16:59 PM
sec-Butylbenzene	6.4	5.0		µg/L	5	12/9/2008 3:16:59 PM
Styrene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
tert-Butylbenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,1,1,2-Tetrachloroethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,1,2,2-Tetrachloroethane	ND	10		µg/L	5	12/9/2008 3:16:59 PM
Tetrachloroethene (PCE)	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
trans-1,2-DCE	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
trans-1,3-Dichloropropene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2,3-Trichlorobenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2,4-Trichlorobenzene	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,1,1-Trichloroethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,1,2-Trichloroethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Trichloroethene (TCE)	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Trichlorofluoromethane	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
1,2,3-Trichloropropane	ND	10		µg/L	5	12/9/2008 3:16:59 PM
Vinyl chloride	ND	5.0		µg/L	5	12/9/2008 3:16:59 PM
Xylenes, Total	260	7.5		µg/L	5	12/9/2008 3:16:59 PM
Surr: 1,2-Dichloroethane-d4	87.5	68.1-123		%REC	5	12/9/2008 3:16:59 PM
Surr: 4-Bromofluorobenzene	103	53.2-145		%REC	5	12/9/2008 3:16:59 PM
Surr: Dibromofluoromethane	90.3	68.5-119		%REC	5	12/9/2008 3:16:59 PM
Surr: Toluene-d8	92.0	64-131		%REC	5	12/9/2008 3:16:59 PM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	4400	0.010		µmhos/cm	1	12/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.76	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	0812045	**Collection Date:**	12/2/2008 2:30:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	37	2.0		mg/L	20	12/3/2008 10:18:00 PM
Chloride	1800	20		mg/L	200	12/3/2008 10:35:24 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	12/3/2008 10:18:00 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	12/3/2008 10:18:00 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	12/3/2008 10:18:00 PM
Sulfate	1000	10		mg/L	20	12/3/2008 10:18:00 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	1.8	1.0		µg/L	1	12/9/2008 6:46:12 AM
Toluene	20	1.0		µg/L	1	12/9/2008 6:46:12 AM
Ethylbenzene	7.2	1.0		µg/L	1	12/9/2008 6:46:12 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2,4-Trimethylbenzene	28	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,3,5-Trimethylbenzene	9.7	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Naphthalene	16	2.0		µg/L	1	12/9/2008 6:46:12 AM
1-Methylnaphthalene	37	4.0		µg/L	1	12/9/2008 6:46:12 AM
2-Methylnaphthalene	53	4.0		µg/L	1	12/9/2008 6:46:12 AM
Acetone	650	100		µg/L	10	12/9/2008 3:47:00 PM
Bromobenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Bromoform	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Bromomethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
2-Butanone	72	10		µg/L	1	12/9/2008 6:46:12 AM
Carbon disulfide	26	10		µg/L	1	12/9/2008 6:46:12 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Chlorobenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Chloroethane	ND	2.0		µg/L	1	12/9/2008 6:46:12 AM
Chloroform	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Chloromethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/9/2008 6:46:12 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Dibromomethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 2
Lab Order:	0812045	**Collection Date:**	12/2/2008 2:30:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-10	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1-Dichloroethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/9/2008 6:46:12 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
2-Hexanone	ND	10		µg/L	1	12/9/2008 6:46:12 AM
Isopropylbenzene	1.8	1.0		µg/L	1	12/9/2008 6:46:12 AM
4-Isopropyltoluene	1.5	1.0		µg/L	1	12/9/2008 6:46:12 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/9/2008 6:46:12 AM
Methylene Chloride	ND	3.0		µg/L	1	12/9/2008 6:46:12 AM
n-Butylbenzene	4.1	1.0		µg/L	1	12/9/2008 6:46:12 AM
n-Propylbenzene	3.0	1.0		µg/L	1	12/9/2008 6:46:12 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Styrene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/9/2008 6:46:12 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/9/2008 6:46:12 AM
Vinyl chloride	ND	1.0		µg/L	1	12/9/2008 6:46:12 AM
Xylenes, Total	57	1.5		µg/L	1	12/9/2008 6:46:12 AM
Surr: 1,2-Dichloroethane-d4	85.9	68.1-123		%REC	1	12/9/2008 6:46:12 AM
Surr: 4-Bromofluorobenzene	96.4	53.2-145		%REC	1	12/9/2008 6:46:12 AM
Surr: Dibromofluoromethane	91.2	68.5-119		%REC	1	12/9/2008 6:46:12 AM
Surr: Toluene-d8	92.5	64-131		%REC	1	12/9/2008 6:46:12 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	8500	0.010		µmhos/cm	1	12/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.80	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	0812045	**Collection Date:**	12/2/2008 2:45:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	26	2.0		mg/L	20	12/3/2008 10:52:49 PM
Chloride	1800	20		mg/L	200	12/3/2008 11:10:14 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	12/3/2008 10:52:49 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	12/3/2008 10:52:49 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	12/3/2008 10:52:49 PM
Sulfate	980	10		mg/L	20	12/3/2008 10:52:49 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	1.1	1.0		µg/L	1	12/9/2008 8:13:05 AM
Toluene	12	1.0		µg/L	1	12/9/2008 8:13:05 AM
Ethylbenzene	4.3	1.0		µg/L	1	12/9/2008 8:13:05 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2,4-Trimethylbenzene	18	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,3,5-Trimethylbenzene	6.5	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Naphthalene	11	2.0		µg/L	1	12/9/2008 8:13:05 AM
1-Methylnaphthalene	24	4.0		µg/L	1	12/9/2008 8:13:05 AM
2-Methylnaphthalene	35	4.0		µg/L	1	12/9/2008 8:13:05 AM
Acetone	670	200		µg/L	20	12/9/2008 7:44:37 AM
Bromobenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Bromoform	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Bromomethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
2-Butanone	64	10		µg/L	1	12/9/2008 8:13:05 AM
Carbon disulfide	28	10		µg/L	1	12/9/2008 8:13:05 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Chlorobenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Chloroethane	ND	2.0		µg/L	1	12/9/2008 8:13:05 AM
Chloroform	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Chloromethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/9/2008 8:13:05 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Dibromomethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 3
Lab Order:	0812045	**Collection Date:**	12/2/2008 2:45:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-11	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1-Dichloroethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/9/2008 8:13:05 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
2-Hexanone	ND	10		µg/L	1	12/9/2008 8:13:05 AM
Isopropylbenzene	1.1	1.0		µg/L	1	12/9/2008 8:13:05 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/9/2008 8:13:05 AM
Methylene Chloride	ND	3.0		µg/L	1	12/9/2008 8:13:05 AM
n-Butylbenzene	2.4	1.0		µg/L	1	12/9/2008 8:13:05 AM
n-Propylbenzene	1.9	1.0		µg/L	1	12/9/2008 8:13:05 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Styrene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/9/2008 8:13:05 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/9/2008 8:13:05 AM
Vinyl chloride	ND	1.0		µg/L	1	12/9/2008 8:13:05 AM
Xylenes, Total	34	1.5		µg/L	1	12/9/2008 8:13:05 AM
Surr: 1,2-Dichloroethane-d4	87.3	68.1-123		%REC	1	12/9/2008 8:13:05 AM
Surr: 4-Bromofluorobenzene	100	53.2-145		%REC	1	12/9/2008 8:13:05 AM
Surr: Dibromofluoromethane	88.9	68.5-119		%REC	1	12/9/2008 8:13:05 AM
Surr: Toluene-d8	91.1	64-131		%REC	1	12/9/2008 8:13:05 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	8500	0.010		µmhos/cm	1	12/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.86	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	0812045	**Collection Date:**	12/2/2008 3:00:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	27	2.0		mg/L	20	12/3/2008 11:27:38 PM
Chloride	2000	20		mg/L	200	12/3/2008 11:45:02 PM
Nitrogen, Nitrite (As N)	ND	2.0		mg/L	20	12/3/2008 11:27:38 PM
Nitrogen, Nitrate (As N)	ND	2.0		mg/L	20	12/3/2008 11:27:38 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	12/3/2008 11:27:38 PM
Sulfate	1000	10		mg/L	20	12/3/2008 11:27:38 PM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Toluene	8.0	1.0		µg/L	1	12/5/2008 9:44:19 AM
Ethylbenzene	2.9	1.0		µg/L	1	12/5/2008 9:44:19 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2,4-Trimethylbenzene	13	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,3,5-Trimethylbenzene	4.8	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Naphthalene	7.5	2.0		µg/L	1	12/5/2008 9:44:19 AM
1-Methylnaphthalene	14	4.0		µg/L	1	12/5/2008 9:44:19 AM
2-Methylnaphthalene	21	4.0		µg/L	1	12/5/2008 9:44:19 AM
Acetone	600	50		µg/L	5	12/9/2008 9:11:32 AM
Bromobenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Bromoform	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Bromomethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
2-Butanone	43	10		µg/L	1	12/5/2008 9:44:19 AM
Carbon disulfide	34	10		µg/L	1	12/5/2008 9:44:19 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Chlorobenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Chloroethane	ND	2.0		µg/L	1	12/5/2008 9:44:19 AM
Chloroform	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Chloromethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/5/2008 9:44:19 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Dibromomethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 4
Lab Order:	0812045	**Collection Date:**	12/2/2008 3:00:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-12	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1-Dichloroethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,1-Dichloroethene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/5/2008 9:44:19 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
2-Hexanone	ND	10		µg/L	1	12/5/2008 9:44:19 AM
Isopropylbenzene	1.0	1.0		µg/L	1	12/5/2008 9:44:19 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2008 9:44:19 AM
Methylene Chloride	ND	3.0		µg/L	1	12/5/2008 9:44:19 AM
n-Butylbenzene	2.3	1.0		µg/L	1	12/5/2008 9:44:19 AM
n-Propylbenzene	1.8	1.0		µg/L	1	12/5/2008 9:44:19 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Styrene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/5/2008 9:44:19 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/5/2008 9:44:19 AM
Vinyl chloride	ND	1.0		µg/L	1	12/5/2008 9:44:19 AM
Xylenes, Total	22	1.5		µg/L	1	12/5/2008 9:44:19 AM
Surr: 1,2-Dichloroethane-d4	116	68.1-123		%REC	1	12/5/2008 9:44:19 AM
Surr: 4-Bromofluorobenzene	97.9	53.2-145		%REC	1	12/5/2008 9:44:19 AM
Surr: Dibromofluoromethane	127	68.5-119	S	%REC	1	12/5/2008 9:44:19 AM
Surr: Toluene-d8	98.0	64-131		%REC	1	12/5/2008 9:44:19 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	9100	0.010		µmhos/cm	1	12/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.89	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	0812045	**Collection Date:**	12/2/2008 3:15:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	29	2.0		mg/L	20	12/4/2008 12:37:17 AM
Chloride	2900	20		mg/L	200	12/4/2008 12:54:42 AM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	12/15/2008 9:35:42 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	12/4/2008 12:37:17 AM
Sulfate	1200	10		mg/L	20	12/4/2008 12:37:17 AM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Toluene	2.6	1.0		µg/L	1	12/5/2008 10:13:21 AM
Ethylbenzene	1.0	1.0		µg/L	1	12/5/2008 10:13:21 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2,4-Trimethylbenzene	4.8	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,3,5-Trimethylbenzene	1.9	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Naphthalene	2.5	2.0		µg/L	1	12/5/2008 10:13:21 AM
1-Methylnaphthalene	6.1	4.0		µg/L	1	12/5/2008 10:13:21 AM
2-Methylnaphthalene	8.9	4.0		µg/L	1	12/5/2008 10:13:21 AM
Acetone	200	10		µg/L	1	12/5/2008 10:13:21 AM
Bromobenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Bromoform	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Bromomethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
2-Butanone	16	10		µg/L	1	12/5/2008 10:13:21 AM
Carbon disulfide	15	10		µg/L	1	12/5/2008 10:13:21 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Chlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Chloroethane	ND	2.0		µg/L	1	12/5/2008 10:13:21 AM
Chloroform	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Chloromethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/5/2008 10:13:21 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Dibromomethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 5
Lab Order:	0812045	**Collection Date:**	12/2/2008 3:15:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-13	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1-Dichloroethene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/5/2008 10:13:21 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
2-Hexanone	ND	10		µg/L	1	12/5/2008 10:13:21 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2008 10:13:21 AM
Methylene Chloride	ND	3.0		µg/L	1	12/5/2008 10:13:21 AM
n-Butylbenzene	1.1	1.0		µg/L	1	12/5/2008 10:13:21 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Styrene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/5/2008 10:13:21 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/5/2008 10:13:21 AM
Vinyl chloride	ND	1.0		µg/L	1	12/5/2008 10:13:21 AM
Xylenes, Total	7.2	1.5		µg/L	1	12/5/2008 10:13:21 AM
Surr: 1,2-Dichloroethane-d4	112	68.1-123		%REC	1	12/5/2008 10:13:21 AM
Surr: 4-Bromofluorobenzene	107	53.2-145		%REC	1	12/5/2008 10:13:21 AM
Surr: Dibromofluoromethane	125	68.5-119	S	%REC	1	12/5/2008 10:13:21 AM
Surr: Toluene-d8	95.5	64-131		%REC	1	12/5/2008 10:13:21 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	14000	0.050		µmhos/cm	5	12/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.82	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	0812045	**Collection Date:**	12/2/2008 3:30:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-14	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	28	2.0		mg/L	20	12/4/2008 1:12:06 AM
Chloride	5500	20		mg/L	200	12/15/2008 10:10:31 PM
Nitrate (As N)+Nitrite (As N)	ND	4.0		mg/L	20	12/15/2008 9:53:06 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	12/4/2008 1:12:06 AM
Sulfate	7600	100		mg/L	200	12/4/2008 1:29:31 AM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Toluene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Ethylbenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2,4-Trimethylbenzene	1.0	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Naphthalene	ND	2.0		µg/L	1	12/5/2008 10:42:22 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 10:42:22 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 10:42:22 AM
Acetone	ND	10		µg/L	1	12/5/2008 10:42:22 AM
Bromobenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Bromoform	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Bromomethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
2-Butanone	ND	10		µg/L	1	12/5/2008 10:42:22 AM
Carbon disulfide	ND	10		µg/L	1	12/5/2008 10:42:22 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Chlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Chloroethane	ND	2.0		µg/L	1	12/5/2008 10:42:22 AM
Chloroform	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Chloromethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/5/2008 10:42:22 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Dibromomethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 6
Lab Order:	0812045	**Collection Date:**	12/2/2008 3:30:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-14	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1-Dichloroethene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/5/2008 10:42:22 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
2-Hexanone	ND	10		µg/L	1	12/5/2008 10:42:22 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2008 10:42:22 AM
Methylene Chloride	ND	3.0		µg/L	1	12/5/2008 10:42:22 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Styrene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/5/2008 10:42:22 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/5/2008 10:42:22 AM
Vinyl chloride	ND	1.0		µg/L	1	12/5/2008 10:42:22 AM
Xylenes, Total	ND	1.5		µg/L	1	12/5/2008 10:42:22 AM
Surr: 1,2-Dichloroethane-d4	119	68.1-123		%REC	1	12/5/2008 10:42:22 AM
Surr: 4-Bromofluorobenzene	104	53.2-145		%REC	1	12/5/2008 10:42:22 AM
Surr: Dibromofluoromethane	120	68.5-119	S	%REC	1	12/5/2008 10:42:22 AM
Surr: Toluene-d8	101	64-131		%REC	1	12/5/2008 10:42:22 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	19000	0.050		µmhos/cm	5	12/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.70	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT: Western Refining Southwest, Gallup
Lab Order: 0812045
Project: Evaporation Ponds 1 thru 8 4th Qtr. 2008
Lab ID: 0812045-15

Client Sample ID: Pond 7
Collection Date: 12/2/2008 3:45:00 PM
Date Received: 12/3/2008
Matrix: AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	35	2.0		mg/L	20	12/4/2008 1:46:56 AM
Chloride	42000	500		mg/L	5000	12/4/2008 2:21:44 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	12/15/2008 10:27:55 PM
Phosphorus, Orthophosphate (As P)	ND	10		mg/L	20	12/4/2008 1:46:56 AM
Sulfate	8300	250		mg/L	500	12/4/2008 2:04:20 AM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Toluene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Ethylbenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2,4-Trimethylbenzene	1.3	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Naphthalene	ND	2.0		µg/L	1	12/5/2008 11:11:30 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 11:11:30 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 11:11:30 AM
Acetone	17	10		µg/L	1	12/5/2008 11:11:30 AM
Bromobenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Bromoform	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Bromomethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
2-Butanone	ND	10		µg/L	1	12/5/2008 11:11:30 AM
Carbon disulfide	ND	10		µg/L	1	12/5/2008 11:11:30 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Chlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Chloroethane	ND	2.0		µg/L	1	12/5/2008 11:11:30 AM
Chloroform	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Chloromethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/5/2008 11:11:30 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Dibromomethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 7
Lab Order:	0812045	**Collection Date:**	12/2/2008 3:45:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-15	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: HL
1,1-Dichloroethene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/5/2008 11:11:30 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
2-Hexanone	ND	10		µg/L	1	12/5/2008 11:11:30 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2008 11:11:30 AM
Methylene Chloride	ND	3.0		µg/L	1	12/5/2008 11:11:30 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Styrene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/5/2008 11:11:30 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/5/2008 11:11:30 AM
Vinyl chloride	ND	1.0		µg/L	1	12/5/2008 11:11:30 AM
Xylenes, Total	ND	1.5		µg/L	1	12/5/2008 11:11:30 AM
Surr: 1,2-Dichloroethane-d4	118	68.1-123		%REC	1	12/5/2008 11:11:30 AM
Surr: 4-Bromofluorobenzene	105	53.2-145		%REC	1	12/5/2008 11:11:30 AM
Surr: Dibromofluoromethane	122	68.5-119	S	%REC	1	12/5/2008 11:11:30 AM
Surr: Toluene-d8	103	64-131		%REC	1	12/5/2008 11:11:30 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: KMB
Specific Conductance	140000	0.10		µmhos/cm	10	12/4/2008
SM4500-H+B: PH						Analyst: KMS
pH	7.55	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	0812045	**Collection Date:**	12/2/2008 4:00:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-16	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 300.0: ANIONS						Analyst: RAGS
Fluoride	31	5.0		mg/L	50	12/4/2008 2:39:09 AM
Chloride	46000	1000		mg/L	10000	12/4/2008 3:13:58 AM
Nitrate (As N)+Nitrite (As N)	ND	40		mg/L	200	12/15/2008 11:20:10 PM
Phosphorus, Orthophosphate (As P)	ND	25		mg/L	50	12/4/2008 2:39:09 AM
Sulfate	8600	500		mg/L	1000	12/4/2008 2:56:33 AM
EPA METHOD 8260B: VOLATILES						Analyst: HL
Benzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Toluene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Ethylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Methyl tert-butyl ether (MTBE)	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2,4-Trimethylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,3,5-Trimethylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2-Dichloroethane (EDC)	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2-Dibromoethane (EDB)	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Naphthalene	ND	2.0		µg/L	1	12/5/2008 11:40:39 AM
1-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 11:40:39 AM
2-Methylnaphthalene	ND	4.0		µg/L	1	12/5/2008 11:40:39 AM
Acetone	ND	10		µg/L	1	12/5/2008 11:40:39 AM
Bromobenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Bromodichloromethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Bromoform	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Bromomethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
2-Butanone	ND	10		µg/L	1	12/5/2008 11:40:39 AM
Carbon disulfide	ND	10		µg/L	1	12/5/2008 11:40:39 AM
Carbon Tetrachloride	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Chlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Chloroethane	ND	2.0		µg/L	1	12/5/2008 11:40:39 AM
Chloroform	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Chloromethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
2-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
4-Chlorotoluene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
cis-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
cis-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2-Dibromo-3-chloropropane	ND	2.0		µg/L	1	12/5/2008 11:40:39 AM
Dibromochloromethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Dibromomethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,3-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,4-Dichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Dichlorodifluoromethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,1-Dichloroethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM

Qualifiers:

- * Value exceeds Maximum Contaminant Level
- E Estimated value
- J Analyte detected below quantitation limits
- ND Not Detected at the Reporting Limit
- S Spike recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- MCL Maximum Contaminant Level
- RL Reporting Limit

Hall Environmental Analysis Laboratory, Inc.

Date: *29-Dec-08*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Pond 8
Lab Order:	0812045	**Collection Date:**	12/2/2008 4:00:00 PM
Project:	Evaporation Ponds 1 thru 8 4th Qtr. 2008	**Date Received:**	12/3/2008
Lab ID:	0812045-16	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **HL**
1,1-Dichloroethene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,3-Dichloropropane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
2,2-Dichloropropane	ND	2.0		µg/L	1	12/5/2008 11:40:39 AM
1,1-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Hexachlorobutadiene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
2-Hexanone	ND	10		µg/L	1	12/5/2008 11:40:39 AM
Isopropylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
4-Isopropyltoluene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
4-Methyl-2-pentanone	ND	10		µg/L	1	12/5/2008 11:40:39 AM
Methylene Chloride	ND	3.0		µg/L	1	12/5/2008 11:40:39 AM
n-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
n-Propylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
sec-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Styrene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
tert-Butylbenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,1,1,2-Tetrachloroethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,1,2,2-Tetrachloroethane	ND	2.0		µg/L	1	12/5/2008 11:40:39 AM
Tetrachloroethene (PCE)	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
trans-1,2-DCE	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
trans-1,3-Dichloropropene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2,3-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2,4-Trichlorobenzene	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,1,1-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,1,2-Trichloroethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Trichloroethene (TCE)	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Trichlorofluoromethane	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
1,2,3-Trichloropropane	ND	2.0		µg/L	1	12/5/2008 11:40:39 AM
Vinyl chloride	ND	1.0		µg/L	1	12/5/2008 11:40:39 AM
Xylenes, Total	ND	1.5		µg/L	1	12/5/2008 11:40:39 AM
Surr: 1,2-Dichloroethane-d4	114	68.1-123		%REC	1	12/5/2008 11:40:39 AM
Surr: 4-Bromofluorobenzene	108	53.2-145		%REC	1	12/5/2008 11:40:39 AM
Surr: Dibromofluoromethane	117	68.5-119		%REC	1	12/5/2008 11:40:39 AM
Surr: Toluene-d8	98.2	64-131		%REC	1	12/5/2008 11:40:39 AM
EPA 120.1: SPECIFIC CONDUCTANCE						Analyst: **KMB**
Specific Conductance	170000	0.10		µmhos/cm	10	12/4/2008
SM4500-H+B: PH						Analyst: **KMS**
pH	7.39	0.1		pH units	1	12/3/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

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Est. 1970

REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

Date Received : December 05, 2008
Description :

ESC Sample # : L377985-01

Sample ID : POND 1

Site ID :

Project # : 0812045

Collected By :
Collection Date : 12/02/08 14:15

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.020	mg/l	6010B	12/12/08	1
Barium	0.098	0.0050	mg/l	6010B	12/12/08	1
Calcium	43.	0.50	mg/l	6010B	12/12/08	1
Chromium	BDL	0.010	mg/l	6010B	12/12/08	1
Copper	BDL	0.020	mg/l	6010B	12/12/08	1
Iron	7.6	0.10	mg/l	6010B	12/12/08	1
Lead	BDL	0.0050	mg/l	6010B	12/12/08	1
Magnesium	16.	0.10	mg/l	6010B	12/12/08	1
Manganese	0.27	0.010	mg/l	6010B	12/12/08	1
Potassium	92.	0.50	mg/l	6010B	12/12/08	1
Selenium	0.041	0.020	mg/l	6010B	12/12/08	1
Silver	BDL	0.010	mg/l	6010B	12/12/08	1
Sodium	590	0.50	mg/l	6010B	12/12/08	1
Zinc	0.36	0.030	mg/l	6010B	12/12/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

ESC Sample # : L377985-02

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : POND 2

Project # : 0812045

Collected By :
Collection Date : 12/02/08 14:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.020	mg/l	6010B	12/12/08	1
Barium	0.061	0.0050	mg/l	6010B	12/12/08	1
Calcium	170	0.50	mg/l	6010B	12/12/08	1
Chromium	BDL	0.010	mg/l	6010B	12/12/08	1
Copper	BDL	0.020	mg/l	6010B	12/12/08	1
Iron	2.7	0.10	mg/l	6010B	12/12/08	1
Lead	BDL	0.0050	mg/l	6010B	12/12/08	1
Magnesium	56.	0.10	mg/l	6010B	12/12/08	1
Manganese	0.19	0.010	mg/l	6010B	12/12/08	1
Potassium	75.	0.50	mg/l	6010B	12/12/08	1
Selenium	0.022	0.020	mg/l	6010B	12/12/08	1
Silver	BDL	0.010	mg/l	6010B	12/12/08	1
Sodium	1500	2.5	mg/l	6010B	12/16/08	5
Zinc	0.089	0.030	mg/l	6010B	12/12/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

ESC Sample # : L377985-03

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : POND 3

Project # : 0812045

Collected By :
Collection Date : 12/02/08 14:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	0.024	0.020	mg/l	6010B	12/10/08	1
Barium	0.052	0.0050	mg/l	6010B	12/10/08	1
Calcium	140	0.50	mg/l	6010B	12/10/08	1
Chromium	BDL	0.010	mg/l	6010B	12/10/08	1
Copper	BDL	0.020	mg/l	6010B	12/10/08	1
Iron	1.8	0.10	mg/l	6010B	12/10/08	1
Lead	BDL	0.0050	mg/l	6010B	12/10/08	1
Magnesium	52.	0.10	mg/l	6010B	12/10/08	1
Manganese	0.20	0.010	mg/l	6010B	12/10/08	1
Potassium	78.	0.50	mg/l	6010B	12/10/08	1
Selenium	0.026	0.020	mg/l	6010B	12/10/08	1
Silver	BDL	0.010	mg/l	6010B	12/10/08	1
Sodium	1700	2.5	mg/l	6010B	12/10/08	5
Zinc	BDL	0.030	mg/l	6010B	12/10/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
The reported analytical results relate only to the sample submitted.
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Reported: 12/17/08 16:03 Printed: 12/17/08 16:03

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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

ESC Sample # : L377985-04

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : POND 4

Project # : 0812045

Collected By :
Collection Date : 12/02/08 15:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.020	mg/l	6010B	12/10/08	1
Barium	0.057	0.0050	mg/l	6010B	12/10/08	1
Calcium	160	0.50	mg/l	6010B	12/10/08	1
Chromium	BDL	0.010	mg/l	6010B	12/10/08	1
Copper	BDL	0.020	mg/l	6010B	12/10/08	1
Iron	1.4	0.10	mg/l	6010B	12/10/08	1
Lead	BDL	0.0050	mg/l	6010B	12/10/08	1
Magnesium	59.	0.10	mg/l	6010B	12/10/08	1
Manganese	0.20	0.010	mg/l	6010B	12/10/08	1
Potassium	81.	0.50	mg/l	6010B	12/10/08	1
Selenium	0.025	0.020	mg/l	6010B	12/10/08	1
Silver	BDL	0.010	mg/l	6010B	12/10/08	1
Sodium	1700	2.5	mg/l	6010B	12/10/08	5
Zinc	BDL	0.030	mg/l	6010B	12/10/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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Est. 1970

REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

Date Received : December 05, 2008
Description :

Sample ID : POND 5

Collected By :
Collection Date : 12/02/08 15:15

ESC Sample # : L377985-05

Site ID :

Project # : 0812045

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.020	mg/l	6010B	12/10/08	1
Barium	0.084	0.0050	mg/l	6010B	12/10/08	1
Calcium	270	0.50	mg/l	6010B	12/10/08	1
Chromium	BDL	0.010	mg/l	6010B	12/10/08	1
Copper	BDL	0.020	mg/l	6010B	12/10/08	1
Iron	0.90	0.10	mg/l	6010B	12/10/08	1
Lead	BDL	0.0050	mg/l	6010B	12/10/08	1
Magnesium	82.	0.10	mg/l	6010B	12/10/08	1
Manganese	0.26	0.010	mg/l	6010B	12/10/08	1
Potassium	88.	0.50	mg/l	6010B	12/10/08	1
Selenium	0.024	0.020	mg/l	6010B	12/10/08	1
Silver	BDL	0.010	mg/l	6010B	12/10/08	1
Sodium	2200	2.5	mg/l	6010B	12/10/08	5
Zinc	BDL	0.030	mg/l	6010B	12/10/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

Date Received : December 05, 2008
Description :

ESC Sample # : L377985-06

Sample ID : POND 6

Site ID :

Project # : 0812045

Collected By :
Collection Date : 12/02/08 15:30

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	0.024	0.020	mg/l	6010B	12/10/08	1
Barium	0.12	0.0050	mg/l	6010B	12/10/08	1
Calcium	370	0.50	mg/l	6010B	12/10/08	1
Chromium	BDL	0.010	mg/l	6010B	12/10/08	1
Copper	BDL	0.020	mg/l	6010B	12/10/08	1
Iron	0.30	0.10	mg/l	6010B	12/10/08	1
Lead	BDL	0.0050	mg/l	6010B	12/10/08	1
Magnesium	130	0.10	mg/l	6010B	12/10/08	1
Manganese	0.48	0.010	mg/l	6010B	12/10/08	1
Potassium	160	0.50	mg/l	6010B	12/10/08	1
Selenium	BDL	0.020	mg/l	6010B	12/10/08	1
Silver	BDL	0.010	mg/l	6010B	12/10/08	1
Sodium	3700	2.5	mg/l	6010B	12/10/08	5
Zinc	BDL	0.030	mg/l	6010B	12/10/08	1

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

ESC Sample # : L377985-07

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : POND 7

Project # : 0812045

Collected By :
Collection Date : 12/02/08 15:45

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	BDL	0.10	mg/l	6010B	12/10/08	5
Barium	0.14	0.025	mg/l	6010B	12/10/08	5
Calcium	820	2.5	mg/l	6010B	12/10/08	5
Chromium	BDL	0.050	mg/l	6010B	12/10/08	5
Copper	BDL	0.10	mg/l	6010B	12/10/08	5
Iron	BDL	0.50	mg/l	6010B	12/10/08	5
Lead	BDL	0.025	mg/l	6010B	12/10/08	5
Magnesium	1000	0.50	mg/l	6010B	12/10/08	5
Manganese	1.8	0.050	mg/l	6010B	12/10/08	5
Potassium	1500	2.5	mg/l	6010B	12/10/08	5
Selenium	BDL	0.10	mg/l	6010B	12/10/08	5
Silver	BDL	0.050	mg/l	6010B	12/10/08	5
Sodium	28000	25.	mg/l	6010B	12/10/08	50
Zinc	BDL	0.15	mg/l	6010B	12/10/08	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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REPORT OF ANALYSIS

Anne Thorne
Hall Environmental Analysis Laborat
4901 Hawkins NE
Albuquerque, NM 87109

December 17, 2008

ESC Sample # : L377985-08

Date Received : December 05, 2008
Description :

Site ID :

Sample ID : POND 8

Project # : 0812045

Collected By :
Collection Date : 12/02/08 16:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	7470A	12/07/08	1
Arsenic	0.13	0.10	mg/l	6010B	12/10/08	5
Barium	0.15	0.025	mg/l	6010B	12/10/08	5
Calcium	830	2.5	mg/l	6010B	12/10/08	5
Chromium	BDL	0.050	mg/l	6010B	12/10/08	5
Copper	BDL	0.10	mg/l	6010B	12/10/08	5
Iron	BDL	0.50	mg/l	6010B	12/10/08	5
Lead	BDL	0.025	mg/l	6010B	12/10/08	5
Magnesium	1400	0.50	mg/l	6010B	12/10/08	5
Manganese	5.5	0.050	mg/l	6010B	12/10/08	5
Potassium	2300	2.5	mg/l	6010B	12/10/08	5
Selenium	BDL	0.10	mg/l	6010B	12/10/08	5
Silver	BDL	0.050	mg/l	6010B	12/10/08	5
Sodium	33000	25	mg/l	6010B	12/10/08	50
Zinc	BDL	0.15	mg/l	6010B	12/10/08	5

BDL - Below Detection Limit
Det. Limit - Practical Quantitation Limit(PQL)
Note:
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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-001
Client Sample ID: 0812045-09C, Pond 1

Report Date: 12/18/08
Collection Date: 12/02/08 14:15
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	12/16/08 16:08 / aje

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-002
Client Sample ID: 0812045-10C, Pond 2

Report Date: 12/18/08
Collection Date: 12/02/08 14:30
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	12/16/08 16:15 / aje

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-003
Client Sample ID: 0812045-11C, Pond 3

Report Date: 12/18/08
Collection Date: 12/02/08 14:45
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	12/16/08 16:22 / aje

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-004
Client Sample ID: 0812045-12C, Pond 4

Report Date: 12/18/08
Collection Date: 12/02/08 15:00
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	ND	mg/L		0.001		SW6020	12/16/08 16:29 / aje

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-005
Client Sample ID: 0812045-13C, Pond 5

Report Date: 12/18/08
Collection Date: 12/02/08 15:15
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	0.001	mg/L		0.001		SW6020	12/16/08 17:31 / aje

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-006
Client Sample ID: 0812045-14C, Pond 6

Report Date: 12/18/08
Collection Date: 12/02/08 15:30
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	12/16/08 17:38 / aje

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-007
Client Sample ID: 0812045-15C, Pond 7

Report Date: 12/18/08
Collection Date: 12/02/08 15:45
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	12/15/08 19:43 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

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800-735-4489 • 406-252-6325 • 406-252-6069 fax • eli@energylab.com

LABORATORY ANALYTICAL REPORT

Client: Hall Environmental
Project: 0812045
Lab ID: B08120970-008
Client Sample ID: 0812045-16C, Pond 8

Report Date: 12/18/08
Collection Date: 12/02/08 16:00
DateReceived: 12/10/08
Matrix: Aqueous

Analyses	Result	Units	Qualifiers	RL	MCL/ QCL	Method	Analysis Date / By
METALS, TOTAL							
Uranium	0.002	mg/L		0.001		SW6020	12/15/08 19:50 / jjw

Report Definitions:
RL - Analyte reporting limit.
QCL - Quality control limit.
MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.

ASSAIGAI ANALYTICAL LABORATORIES, INC.
4301 Masthead NE • Albuquerque, New Mexico 87109 • (505) 345-8964 • FAX (505) 345-7259
P.O. Box 90430 • Albuquerque, New Mexico 87199 • (800) 447-0327

Explanation of codes	
B	*Analyte Detected in Method Blank*
E	*Result is Estimated*
H	*Analyzed Out of Hold Time*
N	*Tentatively Identified Compound*
S	*Subcontracted*
1-9	*See Footnote*

HALL ENVIRONMENTAL
attn: **ANDY FREEMAN**
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0812045**
Order: **08120101** **HAL03** Receipt: **12-03-08**

Tamara Pacheco for
William P. Blava: President of Assaigai Analytical Laboratories, Inc.

Sample: ***0812045-01A POND 1*** Collected: *12-03-08 8:45:00* By: *SR8946*
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-001A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.10		E. coli	>60,000	CFU/100 ml	1000	1		12-03-08	12-04-08

Sample: ***0812045-02A POND 2*** Collected: *12-03-08 8:55:00* By: *SR8947*
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-002A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.11		E. coli	>6,000	CFU/100 ml	100	1		12-03-08	12-04-08

Sample: ***0812045-03A POND 3*** Collected: *12-03-08 9:05:00* By: *SR8948*
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-003A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.12		E. coli	>6,000	CFU/100 ml	100	1		12-03-08	12-04-08

Report Date: 12/9/2008 12:56:45 PM

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HALL ENVIRONMENTAL

Project: **0812045**

Order: **08120101** **HAL03** Receipt: **12-03-08**

Sample: ***0812045-04A POND 4*** Collected: *12-03-08 9:15:00* By:

Matrix: ***AQUEOUS*** *SR8949*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-004A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.13		E. coli	2,900	CFU/100 ml	100	1		12-03-08	12-04-08

Sample: ***0812045-05A POND 5*** Collected: *12-03-08 9:25:00* By:

Matrix: ***AQUEOUS*** *SR8951*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-005A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.14		E. coli	630	CFU/100 ml	10	1		12-03-08	12-04-08

Sample: ***0812045-06A POND 6*** Collected: *12-03-08 9:35:00* By:

Matrix: ***AQUEOUS*** *SR8952*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-006A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.15		E. coli	173	CFU/100 ml	9	1		12-03-08	12-04-08

Sample: ***0812045-07A POND 7*** Collected: *12-03-08 9:45:00* By:

Matrix: ***AQUEOUS*** *SR8953*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-007A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.16		E. coli	ND	CFU/100 ml	10	1		12-03-08	12-04-08

Sample: ***0812045-08A POND 8*** Collected: *12-03-08 9:55:00* By:

Matrix: ***AQUEOUS*** *SR8954*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120101-008A		EPA 1603					By:	FAS		
EC08238	BT.2008.749.17		E. coli	ND	CFU/100 ml	10	1		12-03-08	12-04-08

Report Date: *12/9/2008 12:56:45 PM*

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 300.0: Anions									
Sample ID: MB		*MBLK*			Batch ID:	**R31462**	Analysis Date:	12/3/2008 11:16:30 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrogen, Nitrite (As N)	ND	mg/L	0.10						
Nitrogen, Nitrate (As N)	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R31638**	Analysis Date:	12/15/2008 9:24:01 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
Sulfate	ND	mg/L	0.50						
Sample ID: MB		*MBLK*			Batch ID:	**R31765**	Analysis Date:	12/23/2008 5:38:40 AM	
Fluoride	ND	mg/L	0.10						
Chloride	ND	mg/L	0.10						
Nitrate (As N)+Nitrite (As N)	ND	mg/L	0.20						
Phosphorus, Orthophosphate (As P)	ND	mg/L	0.50						
[illegible]	ND	mg/L	0.50						
Sample ID: LCS		*LCS*			Batch ID:	**R31462**	Analysis Date:	12/3/2008 11:33:55 AM	
Fluoride	0.5399	mg/L	0.10	108	90	110			
Chloride	5.056	mg/L	0.10	101	90	110			
Nitrogen, Nitrite (As N)	1.058	mg/L	0.10	106	90	110			
Nitrogen, Nitrate (As N)	2.624	mg/L	0.10	105	90	110			
Nitrate (As N)+Nitrite (As N)	3.682	mg/L	0.20	105	90	110			
Phosphorus, Orthophosphate (As P)	5.323	mg/L	0.50	106	90	110			
Sulfate	10.63	mg/L	0.50	106	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R31638**	Analysis Date:	12/15/2008 9:41:26 AM	
Fluoride	0.4858	mg/L	0.10	97.2	90	110			
Chloride	5.002	mg/L	0.10	100	90	110			
Nitrate (As N)+Nitrite (As N)	3.483	mg/L	0.20	99.5	90	110			
Phosphorus, Orthophosphate (As P)	5.191	mg/L	0.50	104	90	110			
Sulfate	10.16	mg/L	0.50	102	90	110			
Sample ID: LCS		*LCS*			Batch ID:	**R31765**	Analysis Date:	12/23/2008 5:56:04 AM	
Fluoride	0.5352	mg/L	0.10	107	90	110			
Chloride	4.782	mg/L	0.10	95.6	90	110			
Nitrate (As N)+Nitrite (As N)	3.408	mg/L	0.20	97.4	90	110			
Phosphorus, Orthophosphate (As P)	5.135	mg/L	0.50	103	90	110			
Sulfate	9.936	mg/L	0.50	99.4	90	110			

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
roject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Method: **EPA Method 8260B: VOLATILES**

Sample ID: b3 *MBLK* Batch ID: **R31477** Analysis Date: 12/4/2008 11:53:30 PM

Benzene	ND	µg/L	1.0
Toluene	ND	µg/L	1.0
Ethylbenzene	ND	µg/L	1.0
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0
1,2,4-Trimethylbenzene	ND	µg/L	1.0
1,3,5-Trimethylbenzene	ND	µg/L	1.0
1,2-Dichloroethane (EDC)	ND	µg/L	1.0
1,2-Dibromoethane (EDB)	ND	µg/L	1.0
Naphthalene	ND	µg/L	2.0
1-Methylnaphthalene	ND	µg/L	4.0
2-Methylnaphthalene	ND	µg/L	4.0
Acetone	ND	µg/L	10
Bromobenzene	ND	µg/L	1.0
Bromodichloromethane	ND	µg/L	1.0
Bromoform	ND	µg/L	1.0
Bromomethane	ND	µg/L	1.0
2-Butanone	ND	µg/L	10
Carbon disulfide	ND	µg/L	10
bon Tetrachloride	ND	µg/L	1.0
robenzene	ND	µg/L	1.0
Chloroethane	ND	µg/L	2.0
Chloroform	ND	µg/L	1.0
Chloromethane	ND	µg/L	1.0
2-Chlorotoluene	ND	µg/L	1.0
4-Chlorotoluene	ND	µg/L	1.0
cis-1,2-DCE	ND	µg/L	1.0
cis-1,3-Dichloropropene	ND	µg/L	1.0
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0
Dibromochloromethane	ND	µg/L	1.0
Dibromomethane	ND	µg/L	1.0
1,2-Dichlorobenzene	ND	µg/L	1.0
1,3-Dichlorobenzene	ND	µg/L	1.0
1,4-Dichlorobenzene	ND	µg/L	1.0
Dichlorodifluoromethane	ND	µg/L	1.0
1,1-Dichloroethane	ND	µg/L	1.0
1,1-Dichloroethene	ND	µg/L	1.0
1,2-Dichloropropane	ND	µg/L	1.0
1,3-Dichloropropane	ND	µg/L	1.0
2,2-Dichloropropane	ND	µg/L	2.0
1,1-Dichloropropene	ND	µg/L	1.0
Hexachlorobutadiene	ND	µg/L	1.0
2-Hexanone	ND	µg/L	10
Isopropylbenzene	ND	µg/L	1.0
4-Isopropyltoluene	ND	µg/L	1.0

ifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b3		*MBLK*			Batch ID:	**R31477**	Analysis Date:	12/4/2008 11:53:30 PM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
ᐧ-Trichloropropane	ND	µg/L	2.0						
chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31510**	Analysis Date:	12/5/2008 1:43:50 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

fiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
Project: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID: **R31510**		Analysis Date:	12/5/2008 1:43:50 PM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
achlorobutadiene	ND	µg/L	1.0						
anone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b6		*MBLK*			Batch ID: **R31510**		Analysis Date:	12/5/2008 11:46:23 PM	

fiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
roject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b6		*MBLK*			Batch ID: **R31510**		Analysis Date:	12/5/2008 11:46:23 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
on Tetrachloride	ND	µg/L	1.0						
obenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

fiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ıt: Western Refining Southwest, Gallup

ıroject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b6		*MBLK*			Batch ID:	**R31510**	Analysis Date:	12/5/2008 11:46:23 PM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
·? Trichloropropane	ND	µg/L	2.0						
hloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31528**	Analysis Date:	12/8/2008 8:51:10 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

ers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
roject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31528**	Analysis Date:	12/8/2008 8:51:10 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
[illegible]chlorobutadiene	ND	µg/L	1.0						
[illegible]anone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b4		*MBLK*			Batch ID:	**R31528**	Analysis Date:	12/9/2008 12:02:54 AM	

iers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
Project: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Method: EPA Method 8260B: VOLATILES
Sample ID: b4 *MBLK* Batch ID: **R31528** Analysis Date: 12/9/2008 12:02:54 AM

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
›on Tetrachloride	ND	µg/L	1.0						
›benzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

fiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

ent: Western Refining Southwest, Gallup
roject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b4		*MBLK*			Batch ID:	**R31528**	Analysis Date:	12/9/2008 12:02:54 AM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
3-Trichloropropane	ND	µg/L	2.0						
chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 10:57:37 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

ifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
ject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 10:57:37 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
achlorobutadiene	ND	µg/L	1.0						
anone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: b3		*MBLK*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 11:25:02 PM	

iers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
ı . ɔject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b3		*MBLK*			Batch ID: **R31545**		Analysis Date:	12/9/2008 11:25:02 PM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
·on Tetrachloride	ND	µg/L	1.0						
›benzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
Hexachlorobutadiene	ND	µg/L	1.0						
2-Hexanone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						

iers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

'ient: Western Refining Southwest, Gallup
.roject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: b3		*MBLK*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 11:25:02 PM	
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
?,3-Trichloropropane	ND	µg/L	2.0						
; chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 5ml rb		*MBLK*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 10:57:37 AM	
Benzene	ND	µg/L	1.0						
Toluene	ND	µg/L	1.0						
Ethylbenzene	ND	µg/L	1.0						
Methyl tert-butyl ether (MTBE)	ND	µg/L	1.0						
1,2,4-Trimethylbenzene	ND	µg/L	1.0						
1,3,5-Trimethylbenzene	ND	µg/L	1.0						
1,2-Dichloroethane (EDC)	ND	µg/L	1.0						
1,2-Dibromoethane (EDB)	ND	µg/L	1.0						
Naphthalene	ND	µg/L	2.0						
1-Methylnaphthalene	ND	µg/L	4.0						
2-Methylnaphthalene	ND	µg/L	4.0						
Acetone	ND	µg/L	10						
Bromobenzene	ND	µg/L	1.0						
Bromodichloromethane	ND	µg/L	1.0						
Bromoform	ND	µg/L	1.0						
Bromomethane	ND	µg/L	1.0						
2-Butanone	ND	µg/L	10						
Carbon disulfide	ND	µg/L	10						
Carbon Tetrachloride	ND	µg/L	1.0						
Chlorobenzene	ND	µg/L	1.0						
Chloroethane	ND	µg/L	2.0						
Chloroform	ND	µg/L	1.0						

ifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup
ject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 5ml rb		*MBLK*			Batch ID:	R31545	Analysis Date:	12/9/2008 10:57:37 AM	
Chloromethane	ND	µg/L	1.0						
2-Chlorotoluene	ND	µg/L	1.0						
4-Chlorotoluene	ND	µg/L	1.0						
cis-1,2-DCE	ND	µg/L	1.0						
cis-1,3-Dichloropropene	ND	µg/L	1.0						
1,2-Dibromo-3-chloropropane	ND	µg/L	2.0						
Dibromochloromethane	ND	µg/L	1.0						
Dibromomethane	ND	µg/L	1.0						
1,2-Dichlorobenzene	ND	µg/L	1.0						
1,3-Dichlorobenzene	ND	µg/L	1.0						
1,4-Dichlorobenzene	ND	µg/L	1.0						
Dichlorodifluoromethane	ND	µg/L	1.0						
1,1-Dichloroethane	ND	µg/L	1.0						
1,1-Dichloroethene	ND	µg/L	1.0						
1,2-Dichloropropane	ND	µg/L	1.0						
1,3-Dichloropropane	ND	µg/L	1.0						
2,2-Dichloropropane	ND	µg/L	2.0						
1,1-Dichloropropene	ND	µg/L	1.0						
achlorobutadiene	ND	µg/L	1.0						
inone	ND	µg/L	10						
Isopropylbenzene	ND	µg/L	1.0						
4-Isopropyltoluene	ND	µg/L	1.0						
4-Methyl-2-pentanone	ND	µg/L	10						
Methylene Chloride	ND	µg/L	3.0						
n-Butylbenzene	ND	µg/L	1.0						
n-Propylbenzene	ND	µg/L	1.0						
sec-Butylbenzene	ND	µg/L	1.0						
Styrene	ND	µg/L	1.0						
tert-Butylbenzene	ND	µg/L	1.0						
1,1,1,2-Tetrachloroethane	ND	µg/L	1.0						
1,1,2,2-Tetrachloroethane	ND	µg/L	2.0						
Tetrachloroethene (PCE)	ND	µg/L	1.0						
trans-1,2-DCE	ND	µg/L	1.0						
trans-1,3-Dichloropropene	ND	µg/L	1.0						
1,2,3-Trichlorobenzene	ND	µg/L	1.0						
1,2,4-Trichlorobenzene	ND	µg/L	1.0						
1,1,1-Trichloroethane	ND	µg/L	1.0						
1,1,2-Trichloroethane	ND	µg/L	1.0						
Trichloroethene (TCE)	ND	µg/L	1.0						
Trichlorofluoromethane	ND	µg/L	1.0						
1,2,3-Trichloropropane	ND	µg/L	2.0						
Vinyl chloride	ND	µg/L	1.0						
Xylenes, Total	ND	µg/L	1.5						
Sample ID: 100ng lcs		*LCS*			Batch ID:	R31477	Analysis Date:	12/5/2008 1:20:30 AM	

ers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

'ent: Western Refining Southwest, Gallup
..oject: Evaporation Ponds 1 thru 8 4th Qtr. 2008 **Work Order:** 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31477**	Analysis Date:	12/5/2008 1:20:30 AM	
Benzene	20.78	µg/L	1.0	104	88	116			
Toluene	18.06	µg/L	1.0	90.3	82.9	112			
Chlorobenzene	17.88	µg/L	1.0	89.4	71.4	133			
1,1-Dichloroethene	21.17	µg/L	1.0	106	97.9	140			
Trichloroethene (TCE)	19.05	µg/L	1.0	95.3	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31510**	Analysis Date:	12/5/2008 2:54:42 PM	
Benzene	19.84	µg/L	1.0	99.2	88	116			
Toluene	17.30	µg/L	1.0	85.5	82.9	112			
Chlorobenzene	17.06	µg/L	1.0	85.3	71.4	133			
1,1-Dichloroethene	21.47	µg/L	1.0	107	97.9	140			
Trichloroethene (TCE)	19.37	µg/L	1.0	96.9	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31510**	Analysis Date:	12/6/2008 12:44:25 AM	
Benzene	21.14	µg/L	1.0	106	88	116			
Toluene	17.86	µg/L	1.0	88.3	82.9	112			
Chlorobenzene	18.08	µg/L	1.0	90.4	71.4	133			
1,1-Dichloroethene	20.54	µg/L	1.0	103	97.9	140			
Trichloroethene (TCE)	19.77	µg/L	1.0	98.9	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31528**	Analysis Date:	12/8/2008 9:58:33 AM	
..ene	18.87	µg/L	1.0	94.4	88	116			
T..uene	17.76	µg/L	1.0	88.8	82.9	112			
Chlorobenzene	19.37	µg/L	1.0	96.8	71.4	133			
1,1-Dichloroethene	21.09	µg/L	1.0	105	97.9	140			
Trichloroethene (TCE)	18.40	µg/L	1.0	92.0	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31528**	Analysis Date:	12/8/2008 10:37:17 PM	
Benzene	18.98	µg/L	1.0	94.9	88	116			
Toluene	16.60	µg/L	1.0	83.0	82.9	112			
Chlorobenzene	18.51	µg/L	1.0	92.6	71.4	133			
1,1-Dichloroethene	20.62	µg/L	1.0	103	97.9	140			
Trichloroethene (TCE)	18.53	µg/L	1.0	92.7	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 11:54:39 AM	
Benzene	19.39	µg/L	1.0	97.0	88	116			
Toluene	16.39	µg/L	1.0	82.0	82.9	112			S
Chlorobenzene	18.79	µg/L	1.0	94.0	71.4	133			
1,1-Dichloroethene	22.40	µg/L	1.0	112	97.9	140			
Trichloroethene (TCE)	19.36	µg/L	1.0	96.8	90.5	112			
Sample ID: 100ng lcs_b		*LCS*			Batch ID:	**R31545**	Analysis Date:	12/10/2008 12:21:55 AM	
Benzene	18.74	µg/L	1.0	93.7	88	116			
Toluene	16.05	µg/L	1.0	80.3	82.9	112			S
Chlorobenzene	18.52	µg/L	1.0	92.6	71.4	133			
1,1-Dichloroethene	22.22	µg/L	1.0	111	97.9	140			
Trichloroethene (TCE)	18.96	µg/L	1.0	94.8	90.5	112			
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 11:54:39 AM	

..iers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

nt: Western Refining Southwest, Gallup

oject: Evaporation Ponds 1 thru 8 4th Qtr. 2008

Work Order: 0812045

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES									
Sample ID: 100ng lcs		*LCS*			Batch ID:	**R31545**	Analysis Date:	12/9/2008 11:54:39 AM	
Benzene	19.39	µg/L	1.0	97.0	88	116			
Toluene	16.39	µg/L	1.0	82.0	82.9	112			S
Chlorobenzene	18.79	µg/L	1.0	94.0	71.4	133			
1,1-Dichloroethene	22.40	µg/L	1.0	112	97.9	140			
Trichloroethene (TCE)	19.36	µg/L	1.0	96.8	90.5	112			

fiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

ENERGY LABORATORIES, INC. • P.O. Box 30916 • 1120 South 27th Street • Billings, MT 59107-0916
800-735-4489 • 406-252-6325 • 406-252-6069 fax • ell@energylab.com

QA/QC Summary Report

Client: Hall Environmental
Project: 0812045

Report Date: 12/19/08
Work Order: B08120970

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW6020									Batch: 36321
Sample ID: LCS5-36321	Laboratory Control Sample				Run: ICPMS204-B_081215A				12/15/08 16:22
Uranium	0.486	mg/L	0.0010	97	85	115			
Sample ID: MB-36321	Method Blank				Run: ICPMS204-B_081215A				12/15/08 17:04
Uranium	9E-06	mg/L	2E-06						
Sample ID: B08120647-001BDIL	Serial Dilution				Run: ICPMS204-B_081215A				12/15/08 17:46
Uranium	0.0362	mg/L	0.0010		0	0	6.2	10	
Sample ID: B08120762-001AMS5	Sample Matrix Spike				Run: ICPMS204-B_081215A				12/15/08 18:13
Uranium	0.519	mg/L	0.0010	104	75	125			
Sample ID: B08120762-001AMSD5	Sample Matrix Spike Duplicate				Run: ICPMS204-B_081215A				12/15/08 18:20
Uranium	0.508	mg/L	0.0010	102	75	125	2	20	
Method: SW6020									Analytical Run: ICPMS204-B_081215A
Sample ID: QCS-ME080514B,081021	Initial Calibration Verification Standard								12/15/08 13:42
Uranium	0.0191	mg/L	0.00030	96	90	110			
Sample ID: ICSA	Interference Check Sample A								12/15/08 16:01
Uranium	1.74E-05	mg/L	0.00030						
Sample ID: ICSAB	Interference Check Sample AB								12/15/08 16:08
Uranium	3.00E-07	mg/L	0.00030		0	0			
Method: SW6020									Analytical Run: ICPMS204-B_081216A
Sample ID: QCS-ME080514B,081021	Initial Calibration Verification Standard								12/16/08 13:50
Uranium	0.0194	mg/L	0.00030	97	90	110			
Sample ID: ICSA ME081125C	Interference Check Sample A								12/16/08 14:11
Uranium	2.71E-05	mg/L	0.00030						
Sample ID: ICSAB ME081125C,ME0	Interference Check Sample AB								12/16/08 14:18
Uranium	7.00E-06	mg/L	0.00030		0	0			

Qualifiers:
RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 12/3/2008

Work Order Number 0812045

Received by: AT

Sample ID labels checked by: AT
Initials

Checklist completed by: 12/3/08
Signature Date

Matrix: Carrier name Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
er - VOA vials have zero headspace?	No VOA vials submitted ☐	Yes ☑	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	6°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

orrective Action _____

Cha of-Custody Record

Client: Western Refining Company - Gallup

Mailing Address: Route 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#: 505 722 0210

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other _____
☐ EDD (Type) _____

Turn-Around Time: Four / two
☐ Standard ☐ Rush _____

Project Name: Evap. Ponds 1 through 8 - 4th Qtr. 2008

Project #:

Project Manager: Gamow Rajen

Sampler: Cheryl Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 6

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. C812 0615	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	E. coli Count				Air Bubbles (Y or N)
12-3-08	0845	H_2O	Pond 1			-1												X				
"	0855	"	Pond 2			-2												X				
	0905	"	Pond 3			-3												X				
	0915	"	Pond 4			-4												X				
	0925	"	Pond 5			-5												X				
	0935	"	Pond 6			-6												X				
	0945	"	Pond 7			-7												X				
	0955	"	Pond 8			-8												X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
12-3-08	1130	Steve Morris	[signature]	12/3/08	1130
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Western Refining Company - Gallup

Mailing Address: Route 3 Box 7 Gallup, NM 87301

Phone #: 505 722 3833

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time: ~~Or~~ 7 to two
☐ Standard ☐ Rush

Project Name: Evap. Ponds 1 through 8 4th Qtr. 2008

Project #:

Project Manager: Gaurav Rajen

Sampler: Cheryl Johnson

On Ice: ☒ Yes ☐ No

Sample Temperature: 4

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0812-0955	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	~~RCRA~~ Metals w/RCC Total	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	Gen Chem	BOD - COD			Air Bubbles (Y or N)
12-2-08	1415	H_2O	Pond 1			-9							X			X		X	X			
"	1430	"	Pond 2			-10							X			X		X	X			
"	1445	"	Pond 3			-11							X			X		X	X			
"	1500	"	Pond 4			-12							X			X		X	X			
"	1515	"	Pond 5			-13							X			X		X	X			
"	1530	"	Pond 6			-14							X			X		X	X			
"	1545	"	Pond 7			-15							X			X		X	X			
"	1600	"	Pond 8			-16							X			X		X	X			

Date:	Time:	Relinquished by:	Received by:	Date	Time
12-3-08	1130	Steve Morris	[signature]	12/3/08	1130
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Gen Chem = Cations, Anions, pH, and Conductivity

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, January 05, 2009

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0812348

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 12/17/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0812348	**Collection Date:**	12/16/2008 7:30:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	12/17/2008
Lab ID:	0812348-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/30/2008
2-Chlorophenol	ND	100		µg/L	1	12/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	12/30/2008
2,4-Dimethylphenol	170	100		µg/L	1	12/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	12/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	12/30/2008
2-Methylphenol	1100	100		µg/L	1	12/30/2008
3+4-Methylphenol	3900	1000		µg/L	10	12/30/2008
2-Nitrophenol	ND	100		µg/L	1	12/30/2008
4-Nitrophenol	ND	100		µg/L	1	12/30/2008
Pentachlorophenol	ND	200		µg/L	1	12/30/2008
Phenol	10000	1000		µg/L	10	12/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	12/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	12/30/2008
Surr: 2,4,6-Tribromophenol	110	16.6-150		%REC	1	12/30/2008
Surr: 2-Fluorobiphenyl	80.6	19.6-134		%REC	1	12/30/2008
Surr: 2-Fluorophenol	46.0	9.54-113		%REC	1	12/30/2008
Surr: 4-Terphenyl-d14	66.6	22.7-145		%REC	1	12/30/2008
Surr: Nitrobenzene-d5	85.5	14.6-134		%REC	1	12/30/2008
Surr: Phenol-d5	22.9	10.7-80.3		%REC	1	12/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-Inlet
Lab Order:	0812348	**Collection Date:**	12/16/2008 7:45:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	12/17/2008
Lab ID:	0812348-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/30/2008
2-Chlorophenol	ND	100		µg/L	1	12/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	12/30/2008
2,4-Dimethylphenol	190	100		µg/L	1	12/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	12/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	12/30/2008
2-Methylphenol	2200	100		µg/L	1	12/30/2008
3+4-Methylphenol	3500	1000		µg/L	10	12/30/2008
2-Nitrophenol	ND	100		µg/L	1	12/30/2008
4-Nitrophenol	ND	100		µg/L	1	12/30/2008
Pentachlorophenol	ND	200		µg/L	1	12/30/2008
Phenol	6700	1000		µg/L	10	12/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	12/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	12/30/2008
Surr: 2,4,6-Tribromophenol	87.7	16.6-150		%REC	1	12/30/2008
Surr: 2-Fluorobiphenyl	66.3	19.6-134		%REC	1	12/30/2008
Surr: 2-Fluorophenol	22.3	9.54-113		%REC	1	12/30/2008
Surr: 4-Terphenyl-d14	57.2	22.7-145		%REC	1	12/30/2008
Surr: Nitrobenzene-d5	68.5	14.6-134		%REC	1	12/30/2008
Surr: Phenol-d5	35.6	10.7-80.3		%REC	1	12/30/2008

Qualifiers:				
	*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
	E	Estimated value	H	Holding times for preparation or analysis exceeded
	J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
	ND	Not Detected at the Reporting Limit	RL	Reporting Limit
	S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0812348	**Collection Date:**	12/16/2008 8:00:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	12/17/2008
Lab ID:	0812348-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/30/2008
2-Chlorophenol	ND	100		µg/L	1	12/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	12/30/2008
2,4-Dimethylphenol	270	100		µg/L	1	12/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	12/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	12/30/2008
2-Methylphenol	3000	1000		µg/L	10	12/30/2008
3+4-Methylphenol	5100	1000		µg/L	10	12/30/2008
2-Nitrophenol	ND	100		µg/L	1	12/30/2008
4-Nitrophenol	ND	100		µg/L	1	12/30/2008
Pentachlorophenol	ND	200		µg/L	1	12/30/2008
Phenol	9900	1000		µg/L	10	12/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	12/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	12/30/2008
Surr: 2,4,6-Tribromophenol	110	16.6-150		%REC	1	12/30/2008
Surr: 2-Fluorobiphenyl	78.4	19.6-134		%REC	1	12/30/2008
Surr: 2-Fluorophenol	47.8	9.54-113		%REC	1	12/30/2008
Surr: 4-Terphenyl-d14	65.8	22.7-145		%REC	1	12/30/2008
Surr: Nitrobenzene-d5	77.5	14.6-134		%REC	1	12/30/2008
Surr: Phenol-d5	52.8	10.7-80.3		%REC	1	12/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Explanation of codes	
B	Analyte Detected In Method Blank
E	Result Is Estimated
H	Analyzed Out of Hold Time
N	Tentatively Identified Compound
S	Subcontracted
1-9	See Footnote

HALL ENVIRONMENTAL
attn: ANDY FREEMAN
4901 HAWKINS NE, SUITE D
ALBUQUERQUE NM 87109-4372

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0812348
Order: 08120461 HAL03 Receipt: 12-17-08

William P. Biava: President of Assaigai Analytical Laboratories, Inc.

Sample: *0812348-01B AL-1INLET* Collected: *12-16-08 7:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-001A		EPA 410.1 Chemical Oxygen Demand						By: ECC		
WCOD-08-053	WC.2008.3411.20	C-004	Chemical Oxygen Demand	564	mg/L	1	10		12-30-08	12-30-08

Sample: *0812348-01C AL-1INLET* Collected: *12-16-08 7:30:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-002A		EPA 405.1 Biochemical Oxygen Demand						By: JKG		
BOD080145	WC.2008.3333.9	10-26-4	Biochemical Oxygen Demand	285	mg/L	1	4		12-17-08	12-22-08

Sample: *0812348-02B AL-2INLET* Collected: *12-16-08 7:45:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-003A		EPA 410.1 Chemical Oxygen Demand						By: ECC		
WCOD-08-053	WC.2008.3411.21	C-004	Chemical Oxygen Demand	820	mg/L	1	10		12-30-08	12-30-08

Report Date: 12/31/2008 3:06:57 PM

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: HALL ENVIRONMENTAL
Project: 0812348
Order: 08120461 HAL03 Receipt: 12-17-08

Sample: *0812348-02C AL-2INLET* Collected: *12-16-08 7:45:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-004A		EPA 405.1 Biochemical Oxygen Demand					By:	JKG		
BOD080145	WC.2008.3333.10	10-26-4	Biochemical Oxygen Demand	437	mg/L	1	4		12-17-08	12-22-08

Sample: *0812348-03B EP-1INLET* Collected: *12-16-08 8:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-005A		EPA 410.1 Chemical Oxygen Demand					By:	ECC		
WCOD-08-053	WC.2008.3411.22	C-004	Chemical Oxygen Demand	718	mg/L	1	10		12-30-08	12-30-08

Sample: *0812348-03C EP-1INLET* Collected: *12-16-08 8:00:00* By:
Matrix: *AQUEOUS*

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-006A		EPA 405.1 Biochemical Oxygen Demand					By:	JKG		
BOD080145	WC.2008.3333.11	10-26-4	Biochemical Oxygen Demand	385	mg/L	1	4		12-17-08	12-22-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

Report Date: 12/31/2008 3:06:57 PM

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1 **Work Order:** 0812348

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17920		*MBLK*			Batch ID:	17920	Analysis Date:		12/30/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17920		*LCS*			Batch ID:	17920	Analysis Date:		12/30/2008
4-Chloro-3-methylphenol	153.3	µg/L	10	76.6	15.4	119			
2-Chlorophenol	152.5	µg/L	10	76.2	12.2	122			
4-Nitrophenol	120.7	µg/L	10	60.4	12.5	87.4			
Pentachlorophenol	161.7	µg/L	20	80.9	3.55	114			
Phenol	79.52	µg/L	10	39.8	7.53	73.1			
Sample ID: lcsd-17920		*LCSD*			Batch ID:	17920	Analysis Date:		12/30/2008
4-Chloro-3-methylphenol	145.6	µg/L	10	72.8	15.4	119	5.17	28.6	
2-Chlorophenol	144.1	µg/L	10	72.0	12.2	122	5.67	107	
4-Nitrophenol	112.7	µg/L	10	56.3	12.5	87.4	6.89	36.3	
Pentachlorophenol	156.9	µg/L	20	78.5	3.55	114	3.03	49	
Phenol	73.10	µg/L	10	36.6	7.53	73.1	8.41	52.4	

Qualifiers:

E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU — Date Received: 12/17/2008

Work Order Number 0812348 — Received by: TLS

Checklist completed by: _____ Signature — 12/17/08 Date — Sample ID labels checked by: _____ Initials

Matrix: — Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
Water - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Gallup Refinery
WESTERN-Refining
Mailing Address: RT 3 Box 4
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush

Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAV RAJEN
Sampler: Alvin Dorsey
On Ice: ☒ Yes ☐ No
Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0812358	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
12-16-08	0730	Aq	AL-1 Inlet			1												X				
12-16-08	0730		AL-1 Inlet			1													X			
12-16-08	0730		AL-1 Inlet			1														X		
12-16-08	0745		AL-2 Inlet			2												X				
12-16-08	0745		AL-2 Inlet			2													X			
12-16-08	0745		AL-2 Inlet			2														X		
12-16-08	0800		EP-1 Inlet			3												X				
12-16-08	0800		EP-1 Inlet			3													X			
12-16-08	0800		EP-1 Inlet			3														X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
12-16-08	1100	[signature]	[signature]	12/17/08	
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analyt[illegible] [illegible]port.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Monday, January 05, 2009

Gaurav Rajen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-3833
FAX (505) 722-0210

RE: AL-1, AL-2, EP-1

Order No.: 0812348

Dear Gaurav Rajen:

Hall Environmental Analysis Laboratory, Inc. received 3 sample(s) on 12/17/2008 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. Below is a list of our accreditations. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

NM Lab # NM9425
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

ACCREDITED IN ACCORDANCE WITH nelac

4901 Hawkins NE ■ Suite D ■ Albuquerque, NM 87109
505.345.3975 ■ Fax 505.345.4107
www.hallenvironmental.com

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-1 Inlet
Lab Order:	0812348	**Collection Date:**	12/16/2008 7:30:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	12/17/2008
Lab ID:	0812348-01	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/30/2008
2-Chlorophenol	ND	100		µg/L	1	12/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	12/30/2008
2,4-Dimethylphenol	170	100		µg/L	1	12/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	12/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	12/30/2008
2-Methylphenol	1100	100		µg/L	1	12/30/2008
3+4-Methylphenol	3900	1000		µg/L	10	12/30/2008
2-Nitrophenol	ND	100		µg/L	1	12/30/2008
4-Nitrophenol	ND	100		µg/L	1	12/30/2008
Pentachlorophenol	ND	200		µg/L	1	12/30/2008
Phenol	10000	1000		µg/L	10	12/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	12/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	12/30/2008
Surr: 2,4,6-Tribromophenol	110	16.6-150		%REC	1	12/30/2008
Surr: 2-Fluorobiphenyl	80.6	19.6-134		%REC	1	12/30/2008
Surr: 2-Fluorophenol	46.0	9.54-113		%REC	1	12/30/2008
Surr: 4-Terphenyl-d14	66.6	22.7-145		%REC	1	12/30/2008
Surr: Nitrobenzene-d5	85.5	14.6-134		%REC	1	12/30/2008
Surr: Phenol-d5	22.9	10.7-80.3		%REC	1	12/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	AL-2-Inlet
Lab Order:	0812348	**Collection Date:**	12/16/2008 7:45:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	12/17/2008
Lab ID:	0812348-02	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/30/2008
2-Chlorophenol	ND	100		µg/L	1	12/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	12/30/2008
2,4-Dimethylphenol	190	100		µg/L	1	12/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	12/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	12/30/2008
2-Methylphenol	2200	100		µg/L	1	12/30/2008
3+4-Methylphenol	3500	1000		µg/L	10	12/30/2008
2-Nitrophenol	ND	100		µg/L	1	12/30/2008
4-Nitrophenol	ND	100		µg/L	1	12/30/2008
Pentachlorophenol	ND	200		µg/L	1	12/30/2008
Phenol	6700	1000		µg/L	10	12/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	12/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	12/30/2008
Surr: 2,4,6-Tribromophenol	87.7	16.6-150		%REC	1	12/30/2008
Surr: 2-Fluorobiphenyl	66.3	19.6-134		%REC	1	12/30/2008
Surr: 2-Fluorophenol	22.3	9.54-113		%REC	1	12/30/2008
Surr: 4-Terphenyl-d14	57.2	22.7-145		%REC	1	12/30/2008
Surr: Nitrobenzene-d5	68.5	14.6-134		%REC	1	12/30/2008
Surr: Phenol-d5	35.6	10.7-80.3		%REC	1	12/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

Date: *05-Jan-09*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	EP-1 Inlet
Lab Order:	0812348	**Collection Date:**	12/16/2008 8:00:00 AM
Project:	AL-1, AL-2, EP-1	**Date Received:**	12/17/2008
Lab ID:	0812348-03	**Matrix:**	AQUEOUS

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
4-Chloro-3-methylphenol	ND	100		µg/L	1	12/30/2008
2-Chlorophenol	ND	100		µg/L	1	12/30/2008
2,4-Dichlorophenol	ND	200		µg/L	1	12/30/2008
2,4-Dimethylphenol	270	100		µg/L	1	12/30/2008
4,6-Dinitro-2-methylphenol	ND	200		µg/L	1	12/30/2008
2,4-Dinitrophenol	ND	200		µg/L	1	12/30/2008
2-Methylphenol	3000	1000		µg/L	10	12/30/2008
3+4-Methylphenol	5100	1000		µg/L	10	12/30/2008
2-Nitrophenol	ND	100		µg/L	1	12/30/2008
4-Nitrophenol	ND	100		µg/L	1	12/30/2008
Pentachlorophenol	ND	200		µg/L	1	12/30/2008
Phenol	9900	1000		µg/L	10	12/30/2008
2,4,5-Trichlorophenol	ND	100		µg/L	1	12/30/2008
2,4,6-Trichlorophenol	ND	100		µg/L	1	12/30/2008
Surr: 2,4,6-Tribromophenol	110	16.6-150		%REC	1	12/30/2008
Surr: 2-Fluorobiphenyl	78.4	19.6-134		%REC	1	12/30/2008
Surr: 2-Fluorophenol	47.8	9.54-113		%REC	1	12/30/2008
Surr: 4-Terphenyl-d14	65.8	22.7-145		%REC	1	12/30/2008
Surr: Nitrobenzene-d5	77.5	14.6-134		%REC	1	12/30/2008
Surr: Phenol-d5	52.8	10.7-80.3		%REC	1	12/30/2008

Qualifiers:

*	Value exceeds Maximum Contaminant Level	B	Analyte detected in the associated Method Blank
E	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	MCL	Maximum Contaminant Level
ND	Not Detected at the Reporting Limit	RL	Reporting Limit
S	Spike recovery outside accepted recovery limits		

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

All samples are reported on an "as received" basis, unless otherwise noted (i.e. - Dry Weight).

Client: **HALL ENVIRONMENTAL**
Project: **0812348**
Order: **08120461** **HAL03** Receipt: **12-17-08**

Sample: ***0812348-02C AL-2INLET*** Collected: *12-16-08 7:45:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-004A		**EPA 405.1 Biochemical Oxygen Demand**					By:	JKG		
BOD080145	WC.2008.3333.10	10-26-4	Biochemical Oxygen Demand	437	mg/L	1	4		12-17-08	12-22-08

Sample: ***0812348-03B EP-1INLET*** Collected: *12-16-08 8:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
08120461-005A		**EPA 410.1 Chemical Oxygen Demand**					By:	ECC		
WCOD-08-053	WC.2008.3411.22	C-004	Chemical Oxygen Demand	718	mg/L	1	10		12-30-08	12-30-08

Sample: ***0812348-03C EP-1INLET*** Collected: *12-16-08 8:00:00* By:
Matrix: ***AQUEOUS***

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
[illegible]20461-006A		**EPA 405.1 Biochemical Oxygen Demand**					By:	JKG		
BOD080145	WC.2008.3333.11	10-26-4	Biochemical Oxygen Demand	385	mg/L	1	4		12-17-08	12-22-08

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, ie result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or foonotes will appear below.

Analytical results are not corrected for method blank or field blank contamination.

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: AL-1, AL-2, EP-1

Work Order: 0812348

Analyte	Result	Units	PQL	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles									
Sample ID: mb-17920		*MBLK*			Batch ID:	**17920**	Analysis Date:		12/30/2008
4-Chloro-3-methylphenol	ND	µg/L	10						
2-Chlorophenol	ND	µg/L	10						
2,4-Dichlorophenol	ND	µg/L	20						
2,4-Dimethylphenol	ND	µg/L	10						
4,6-Dinitro-2-methylphenol	ND	µg/L	20						
2,4-Dinitrophenol	ND	µg/L	20						
2-Methylphenol	ND	µg/L	10						
3+4-Methylphenol	ND	µg/L	10						
2-Nitrophenol	ND	µg/L	10						
4-Nitrophenol	ND	µg/L	10						
Pentachlorophenol	ND	µg/L	20						
Phenol	ND	µg/L	10						
2,4,5-Trichlorophenol	ND	µg/L	10						
2,4,6-Trichlorophenol	ND	µg/L	10						
Sample ID: lcs-17920		*LCS*			Batch ID:	**17920**	Analysis Date:		12/30/2008
4-Chloro-3-methylphenol	153.3	µg/L	10	76.6	15.4	119			
2-Chlorophenol	152.5	µg/L	10	76.2	12.2	122			
4-Nitrophenol	120.7	µg/L	10	60.4	12.5	87.4			
Pentachlorophenol	161.7	µg/L	20	80.9	3.55	114			
nol	79.52	µg/L	10	39.8	7.53	73.1			
mple ID: lcsd-17920		*LCSD*			Batch ID:	**17920**	Analysis Date:		12/30/2008
4-Chloro-3-methylphenol	145.6	µg/L	10	72.8	15.4	119	5.17	28.6	
2-Chlorophenol	144.1	µg/L	10	72.0	12.2	122	5.67	107	
4-Nitrophenol	112.7	µg/L	10	56.3	12.5	87.4	6.89	36.3	
Pentachlorophenol	156.9	µg/L	20	78.5	3.55	114	3.03	49	
Phenol	73.10	µg/L	10	36.6	7.53	73.1	8.41	52.4	

ifiers:

	Estimated value	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
R	RPD outside accepted recovery limits	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 12/17/2008

Work Order Number 0812348

Received by: TLS

Checklist completed by: Signature 10/17/08 Date

Sample ID labels checked by: Initials

Matrix:

Carrier name UPS

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐	Not Shipped ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	N/A ☑	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐	
ater - Preservation labels on bottle and cap match?	Yes ☑	No ☐	N/A ☐	
Water - pH acceptable upon receipt?	Yes ☑	No ☐	N/A ☐	
Container/Temp Blank temperature?	3°	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: Gallup Refinery
WESTERN-Refining
Mailing Address: RT 3 Box 4
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210
QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)
☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☐ Rush
Project Name: AL-1, AL-2, EP-1
Project #:
Project Manager: GAURAV RAJEN
Sampler: ALVIN DORSEY
On Ice: ☒ Yes ☐ No
Sample Temperature: 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 0812358	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	BOD	COD	8270 PHENOL		Air Bubbles (Y or N)
121608	0730	Aq	AL-1 INLET			1												X				
121608	0730		AL-1 INLET			2													X			
121608	0730		AL-1 INLET			1														X		
121608	0745		AL-2 INLET			2												X				
121608	0745		AL-2 INLET			2													X			
121608	0745		AL-2 INLET			2														X		
121608	0800		EP-1 INLET			3												X				
121608	0800		EP-1 INLET			3													X			
121608	0800		EP-1 INLET			3														X		

Date:	Time:	Relinquished by:	Received by:	Date	Time
121608	1100	[signature]	[signature]	12/17/08	
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.