AP___111____

AOC-16
New API
Separator

2019

Marathon Petroleum Company LP

July 22, 2019

Mr. John E. Kieling, Chief
New Mexico Environmental Department
2905 Rodeo Park Drive East, Bldg. 1
Santa Fe, NM 87SOS-6303

RE: Response to Disapproval
Assessment Report for AOC 16 – API Overflow Area
Marathon Petroleum Company LP, Gallup Refinery
(dba Western Refining Southwest, Inc.)
EPA ID# NMD000333211
HWB-WRG-19-001

Dear Mr. Kieling:

Marathon Petroleum Company LP (dba Western Refining Southwest, Inc.) Gallup Refinery is submitting the enclosed responses to your comments dated April 23, 2019 on the referenced Assessment Report. The Assessment Report has been revised per your comments and enclosed for your review. If there are any questions, please call Brain Moore at 505-726-9745.

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Sincerely,
Marathon Petroleum Company LP, Gallup Refinery

Robert S. Hanks

Robert S. Hanks
Refinery General Manager

Enclosure

cc K. Van Horn NMED
C. Chavez NMOCD
B. Moore Marathon Gallup Refinery

92 Giant Crossing Road
Jamestown, NM 87347

RESPONSE TO COMMENTS
April 23, 2019 Comments on AOC 16 Assessment Report (Jan. 2019)

NMED Comment 1:
Under the topic "designation of type of function of unit(s)" the Report states, "[t]he subject area identified as AOC 16 is an open area north of the New API Separator and is not a unit or area otherwise used to manage solid waste. The AOC was identified based on a release of wastewater to the area." This description is not accurate. Frac tanks were in place since at least 2007. The tanks were used to capture overflow from the New API Separator (NAPIS) when it was overwhelmed during storm events. Originally, one frac tank was located just north of the NAPIS and connected directly to the NAPIS. When the NAPIS overflowed, the frac tank also overflowed. Overflows affecting the frac tank area occurred on June 23, 2007, June 10, 2009, September 5, 2009 and December 8, 2009. In Spring 2010 the frac tank arrangement was changed and four additional the tanks were added north of the original frac tank and placed within a containment berm as part of an interim measure to address the multiple releases of untreated wastewater. The NAPIS and all of frac tanks experienced overflows on July 30 and August 2, 2010. The additional frac tanks were located approximately where the DGF Feed Tank is now located. The DGF Feed Tank also experienced an overflow on August 5, 2014. The NAPIS unit handles oily process wastewater from the refinery. API Separator sludge is a listed waste (K051, F037, and F038). Overflows also contained hazardous constituents. The area designated as AOC 16 experienced multiple releases of wastewater that contained listed hazardous waste as well as hazardous constituents and the designation as an AOC was not based on a single release. Revise the Report for accuracy.

MPC Response 1:
The description of the type and function of the unit included pursuant to Section IV.C.2. of the Consent Order is revised to note the temporary usage of frac tanks to store refinery wastewater and also the construction of the DGF feed tank in this same general area.

NMED references the August 5, 2014 release as being from the DGF Feed tank. Actually, this release occurred from a different baker tank, which collected wastewater from the DFG filter press, and was located to the southeast of AOC 16. The wastewater from this release entered a storm drain and did not affect AOC 16.

The attachment to the initial submission included a discussion noting the soils impacted from past releases at AOC 16 were disposed of as containing listed hazardous waste. The text in Section IV.C.6 is revised to note this fact.

The reference to "a release of wastewater" in Section IV.C.2 is revised to clarify that "releases of refinery wastewater" occurred.

NMED Comment 2:
Under the topic "dimensions, capacities and structural description of unit(s)" the Report states, "[t]he AOC is estimated to cover an area approximately by 60 feet by 90 feet, but it has not been fully defined by sampling and analysis of environmental samples. Some removal of impacted soils occurred shortly after the release that occurred on December 8, 2009 and

the available information is attached." This information was previously submitted to NMED. Additional releases occurred after this cleanup. Provide summaries and data regarding the cleanup and confirmation sampling related to the subsequent releases.

MPC Response 2:
We have not been able to locate documentation of cleanup after the two releases that occurred in July and August of 2010. This is now noted in Section IV.C.7.

NMED Comment 3:
Under the topic "dates that the unit(s) was operated" the Report states, "[a]s the AOC is not a "unit", there is not a date of operation". There should be records of when frac tanks were first used and a record of when their use was discontinued and when the DGF Feed Tank was placed in the area.

MPC Response 3:
No records of when frac tanks were first used at this location have been found, but we will continue to search for related documentation. A discussion on the construction of the DGF feed tank is included in Section IV.C.2.

NMED Comment 4:
Under the topic "all available information pertaining to any release of hazardous waste or hazardous constituents from such unit(s)" the Report states, "[t]he latest correspondence that was located is attached. This documents the results of efforts to address the last two spills that occurred on September 5, 2009 and December 8, 2009. Based on this information, it appears that additional assessment and possibly corrective action may be necessary for AOC 16." Additionally, releases from the NAPIS occurred after those dates on July 30 and August 2, 2010 as well as the DGF Feed Tank release on August 5, 2014. There were also releases before the 2009 releases. Revise the Report for accuracy.

MPC Response 4:
The referenced discussion in Section IV.C.7 is revised to note the two later releases and the lack of related information on the spill responses. Also, as explained above the release was from the filter press secondary tank for the DGF feed tank and not the actual DGF feed tank.

AOC 16 – New API Separator Overflow Tanks

(1) location of unit(s) on a topographic map of appropriate scale, as required under 40 CFR § 270.14(b)(19);

See attached topo maps for location of AOC 16

(2) designation of type and function of unit(s);

The subject area identified as AOC 16 was an open area north of the New API Separator and frac tanks were temporarily located in this area from approximately 2007 through 2011 to help manage the overflow of wastewater from the New API Separator. A new wastewater treatment plant was constructed in 2012 and the dissolved gas flotation (DGF) tank was constructed in the same general area. The AOC was identified based on releases of refinery wastewater to the area.

(3) dimensions, capacities and structural description of unit(s) (supply any available plans/drawings);

The AOC is estimated to cover an area approximately by 60 feet by 90 feet, but it has not been fully defined by sampling and analysis of environmental samples. Some removal of impacted soils occurred shortly after the release that occurred on December 8, 2009 and the available information is attached.

(4) dates that the unit(s) was operated;

As the AOC is not a "unit", there is not a date of operation.

(5) all available site history information;

The refinery began operation in the late 1950s and the refinery property covers an area of approximately 810 acres. The refinery location and the regional vicinity is characterized as high desert plain comprised primarily of public lands used for grazing by cattle and sheep.

The Gallup Refinery is a crude oil refinery that generally processes crude oil from the Four Corners area transported to the facility by pipeline or tanker truck. Various process units have operated at the facility, including crude distillation, reforming, fluidized catalytic cracking, alkylation, isomerization, sulfur recovery, merox treater, and hydrotreating. Current and past operations have produced gasoline, diesel fuels, jet fuels, kerosene, propane, butane, and residual fuel.

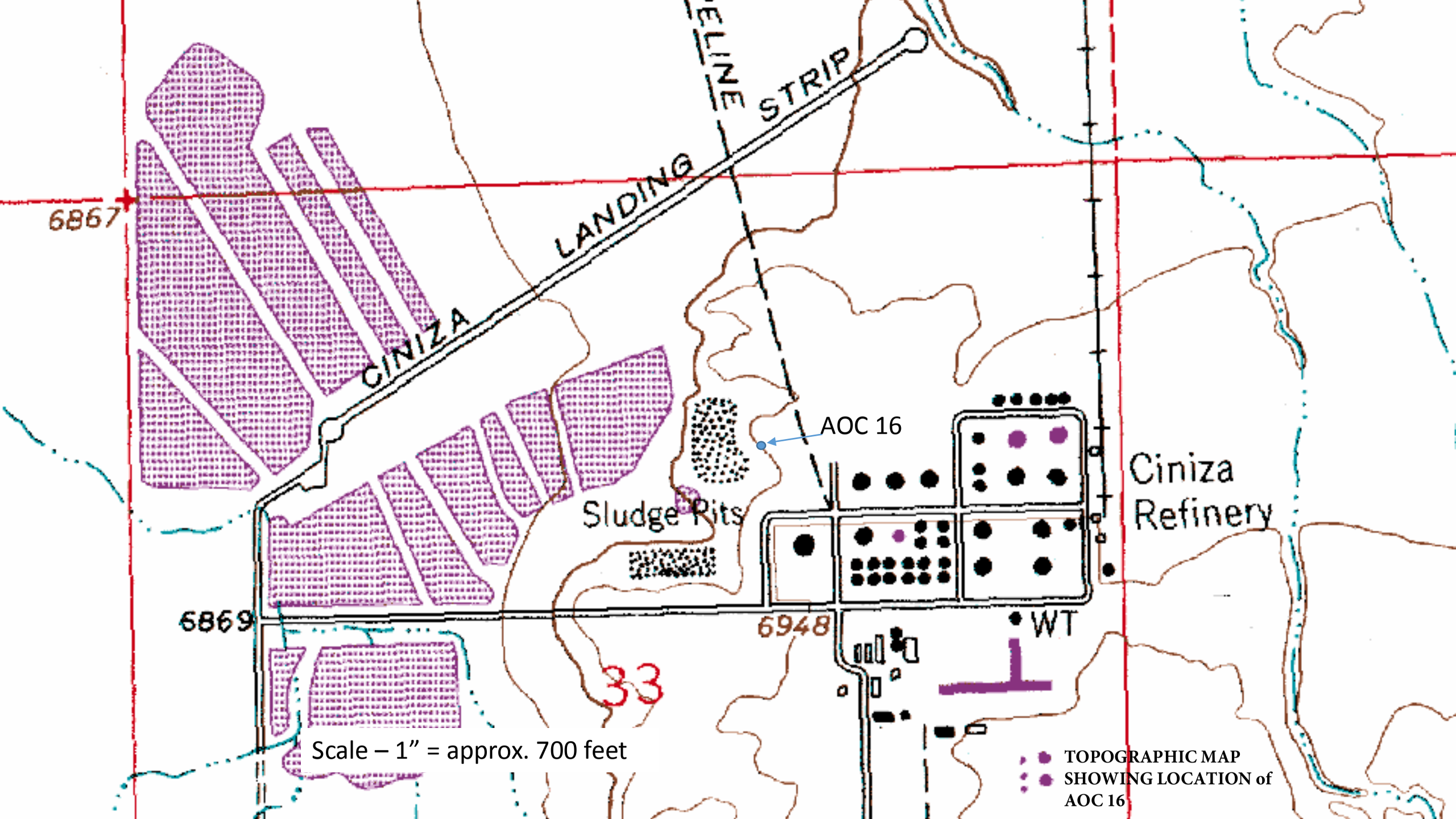
(6) specifications of all wastes that have been managed at/in the unit(s) to the extent available. Include any available data on hazardous waste or hazardous constituents in the wastes;

Refinery wastewater was released at the nearby New API Separator and flowed into this area; thus, the hazardous constituents are those associated with the refinery wastewater. Chemical analyses of the affected soils are attached for the releases that occurred on September 5, 2009 and December 8, 2009. It is noted in the attachment that the affected soils that were excavated and disposed off-site were classified as hazardous based on hazardous waste listing codes F037, F038, and K051.

(7) all available information pertaining to any release of hazardous waste or hazardous constituents from such unit(s) (to include ground water data, soil analyses, air, and surface water data).

According to prior correspondence from NMED, many of the spills reported at AOC 15 (New API Separator) also affected the overflow tanks (Baker Tanks) at AOC 16, including the spills on June 23, 2007, June 10, 2009, September 5, 2009, December 8, 2009, July 30, 2010, and August 2, 2010. Similarly, log sheets for AOC 15 show that the petroleum substances removed by vacuum truck were removed from the "API Baker" area.

Attached is a letter dated January 25, 2010 that documents the status of the cleanup efforts to address the releases that occurred on September 5, 2009 and December 8, 2009. The cleanup was not completed based on the chemical analyses conducted at that time. Subsequent releases were documented on July 30 ,2010 and August 2, 2010 for which there is no evidence that the impacted soils were addressed. Based on this information, it appears that additional assessment and possibly corrective action may be necessary for AOC 16.



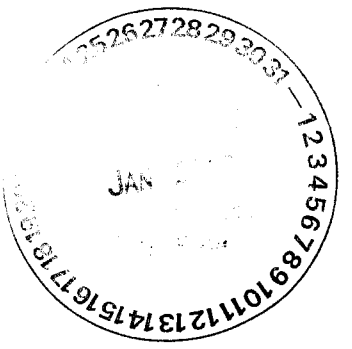
TOPOGRAPHIC MAP SHOWING LOCATION of AOC 16

Western Refining
GALLUP

ENTERED

WNR LISTED NYSE

CERTIFIED MAIL: 7008 2810 0000 4726 1680



January 25, 2010

New Mexico Environmental Department (NMED)
Hazardous Waste Bureau (HWB)
2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505
Attention: Ms Hope Monzeglio

New Mexico Energy Minerals and Natural Resources Department
New Mexico Oil Conservation Division (NMOCD)
1220 South Saint Francis Drive
Santa Fe, New Mexico 87505
Attn: Mr. Carl J. Chavez

Reference: CLEANUP STATUS for Western Refining (Gallup Refinery) for API OVERFLOW on SEPTEMBER 5, 2009 and API OVERFLOW on DECEMBER 8, 2009 EPA ID NO. NMD000333211 HWB-GRCC-MISC

Dear Ms Monzeglio and Mr. Chavez;

Please accept the following letter in response to a letter from Ms Hope Monzeglio of the New Mexico Environmental Department (NMED) (Hazardous Waste Bureau (HWB) (January 7, 2010) that references an API overflow that occurred on December 8, 2009. Additionally, this letter will be in response to the API overflow that also occurred on September 5, 2009. This letter will address these two events as a combination due to the close proximity of these two events and due to the required remedial activities. A separate C-141 (Final Report) for each event will be pending at the completion of the remediation project. The following information shall address the nature of the API overflow events of September 5, 2009 and December 8, 2009, remedial actions that have been performed to date, and additional remediation activity that will be required based on analytical data recently received.

I. THE INCIDENT- "API OVER FLOW on SEPTEMBER 5, 2009" (Report due 2/1/2010)

Preliminary analytical samples were originally collected on September 16, 2009. The laboratory results were received on October 8, 2009. Gallup received a letter from the New Mexico Environmental Department-Hazardous Waste Bureau on October 27, 2009 requiring additional cleanup and sampling activities to be performed.

The following items are to address the issues as originally prescribed in the October 27 letter from the New Mexico Environmental Department-Hazardous Waste Bureau.

a. "The Permittee must remove additional contaminated soil in the vicinity of the API Separator and the Baker Tank within the hatched area identified in the "Sampling Plan" figure."

Cleanup efforts began around the first week of November and continued through the third week of November 2009. Contaminated soil in the vicinity of the API Separator and the Baker Tank areas as indicated on the revised Sampling Plan from the Hazardous Waste Bureau was excavated. This excavated material was put in a roll-off box for disposal off-site as Hazardous Waste. The amount of material excavated was approximately 18 to 25 cu yd. This material was later manifested and shipped off-site as Hazardous Waste via Rinchem (US. Ecology, Beatty, NV).

b. "The Permittee must collect confirmation soil samples from the approximate locations of the former sample locations with the exception the roll-off box location. The Permittee must also collect samples from the additional sample locations identified in the attached figure. All samples must be collected from the limit of the excavation not to exceed six inches in depth."

The confirmation sampling was originally scheduled to be collected during the first week of December 2009. On December 8, Gallup had an area wide power outage from the Utility Company that supplies electrical power to the plant. Due to this power outage at our facility, the plant was without power in order to prevent the API from overflowing. As a result of the December 8 event and clean up efforts merging with the clean up efforts of the September 5 event, confirmation sampling was not conducted until January 6, 2010. Discussion on the API overflow from the event on December 8, 2009 will be provided below.

c. "All confirmation samples must be analyzed for DRO extended. In addition, samples collected from locations API-E-2 and BKT-E-7, BKT-S-8 and BKT-W-9 must also be analyzed for gasoline range organics."

Due to issues addressed above, confirmation samples were not collected until January 6, 2009. All fourteen (14) sample points as previously identified and directed by the Agency were to be collected and analyzed for the following: Volatile Organic Compounds (VOC) (Method 8260), Semi-volatile Compounds (Method 8270), Total Petroleum Hydrocarbon (THP) (including DRO/MRO/GRO) (Method 8015) and RCRA 8 Metals. The sampling methodology and the analytical results from the confirmation sampling event will be discussed below.

d. "The confirmation samples must not exceed organic concentrations of 200 mg/kg, if such concentrations exceed 200 mg/kg then additional soil removal will be required until detected concentrations are less than 200 mg/kg."

As previously identified above (b) due to overlapping API overflow events, confirmation samples were not collected until January 6, 2010. The results were received on January 15, 2010. As determined from the analytical, it was determined that additional soil remediation will be necessary. An explanation of the sampling and analytical results will be discussed in detail below.

e. "The Permittee must submit a report (letter format is acceptable) that describes the additional soil clean up activities, explain how additional contaminated soil was removed, describe how confirmation samples are collected and documents the disposal of the contaminated soils. The Permittee must also include all analytical data in table format, copies

of the final laboratory reports, and include a figure that identifies the locations of all confirmation samples.

As previously noted above, remediation was concluded near the end of November 2009, but, confirmation sampling was not conducted until January 6, 2010. The additional remedial activities including contaminated soil removal, confirmation sampling, and disposal methods of the contaminated soil will be discussed below for the December 8, 2009 API Overflow. Additionally, analytical data of the confirmation sampling will be discussed below.

II. THE INCIDENT- "API OVER FLOW on DECEMBER 8, 2009" (Report due 1/25/2010)

Gallup received a follow-up e-mail from the New Mexico Environmental Department-HWB on December 21, 2009 requesting additional information about the API overflow that occurred on December 8, 2009. A response e-mail to that request was submitted to HWB on December 23, 2009. Gallup received additional correspondence (via e-mail) on January 7, 2010 requesting a formal report addressing additional concerns. The following addresses issues as identified by the HWB based on the Agency's concerns.

a. Soil Remediation Activities-

Clean up efforts for the API overflow on September 5 was completed by the end of November 2009. Contaminated soil in the vicinity of the API Separator and the Baker Tank areas as indicated on the revised Sampling Plan from the Hazardous Waste Bureau was excavated. This excavated material was put in a roll-off box for disposal off-site as Hazardous Waste. The amount of material excavated was approximately 18 to 25 cu yd. This material was later manifested and shipped off-site as Hazardous Waste via Rinchem (US. Ecology, Beatty, NV). Confirmation sampling had not been conducted at this time.

The API overflows from December 8 cleanup efforts around the API and Baker Tank area coincide with clean up operations from September 5, 2009 event. Contamination was localized within the API and Baker Tank containment areas providing a similar contamination foot print for confirmation sampling. Confirmation samples were collected on January 6, 2010 for both events. Based on the analytical results, it is determined that additional remediation and confirmation sampling will be required.

b. Hazardous Waste Management / Transportation Procedures-

The contaminated soil and gravel from both API overflows, September 5 and December 8, will be treated and managed as a Listed Hazardous Waste in accordance with applicable generator requirements as found in 40CFR262 and 40CFR265 (Subpart I). All contaminated soil and gravel will be containerized in a roll-off box, manifested as Hazardous Waste with a designated Hazardous Waste Code (F037/F038/K051), and transported off-site for disposal via Rinchem to US Ecology, Beatty, NV, an approved TSD Facility. A profile has already been established for this waste stream through Rinchem.

c. Revised Sampling Plan-

Due to the containment areas surrounding the API and Baker Tanks, the spill foot print for both incidents are the same. Fourteen sample points were previously identified through an approved sampling plan by the New Mexico Environmental Department-Hazardous Waste Bureau (HWB) as

addressed in correspondence via e-mail of October 27, 2009 (for September 5 API overflow) and January 7, 2010 (for the December 8 API overflow). Therefore, sampling will be in accordance with the HWB direction.

d. Confirmation Sampling-
After the contaminated soil and gravel from the API overflows events of September 5 and December 8, 2009 were excavated and placed in roll-off boxes, confirmation sampling was conducted. On January 6, 2010, confirmation sampling was conducted as required by the Agency. The analysis was directed by the HWB based on the approved sampling plan.

The sampler excavated potentially contaminated soil at the locations as designated on the sampling plan to a maximum depth of 6 inches. The sampler followed proper decontamination procedures between all fourteen sample points in order to minimize any cross contamination. The samples were collected in an 8 oz jar for shipment to Hall Environmental Laboratory. The laboratory analyzed each sample received for the following: Volatile Organic Compounds (VOC) (Method 8260), Semi-volatile Compounds (Method 8270), Total Petroleum Hydrocarbon (THP) (including DRO/MRO/GRO) (Method 8015) and RCRA 8 Metals.

e. Laboratory Results-
Gallup received analytical results from Hall Environmental Laboratories on January 15, 2010 for the contaminated soil as a result of the two API overflows that occurred on September 5 and December 8, 2009. The analysis indicated nine sample areas with TPH (DRO and GRO) values exceeding the 200 mg/kg (>200 mg/kg) in accordance with NMED "TPH Screening Guidelines". The contaminated areas identified are as follows: API-N-1, API-E-2, API-E-3, API-S-4, API-W-5, BKT-S-8, BKT-W-9, CHN-C-11, NBT-N-13. Additionally, BKT-W-9 indicated an elevated level of Xylene (180 mg/kg) which is above the NMED screening levels of 82 mg/kg as indicated in NMED "Technical Background Document for development of Soil Screening Levels". These contaminated areas are indicated on the attached "Hall Environmental Laboratory Data Summary" spreadsheet.

Based on the analysis as indicated above and the attached spreadsheet with inclusive data, it is concluded that additional remedial activities and confirmation sampling will be required for the API area.

f. Over flow volume determination-
The initial C-141 indicated 739 bbls of API oily/water overflow during a 10 to 12 hour intermittent discharge as a result of the API overflow of December 8, 2009. During this time frame, the facility was experiencing an area wide power outage as a result of storms at Tristate Power Company distribution center (substation) located in Albuquerque. During this time period, many pumps and auxiliary equipment were not operational in order to handle normal flow conditions. A material balance was primarily used to determine the quantity of API oily/water that was discharged. The amount of oily/water mixture recovered was determined from information supplied by vacuum truck operators after this event. The oily/water was retrieved via a vacuum truck and routed to the process sewer system for reprocessing through the API. A quantification of oil recovery could not be determined.

III. SUMMARY:

As indicated from the confirmation samples that were collected on January 6, 2010, additional remediation of the API area contamination will be required. Gallup received analysis from Hall Environmental Laboratories on January 15, 2010. The analysis indicated nine sample areas with TPH (DRO and GRO) values exceeding the 200 mg/kg (>200 mg/kg) level as specified in accordance with NMED "TPH Screening Guidelines". These contaminated areas are indicated on the attached "Hall Environmental Laboratory Data Summary" spreadsheet.

Gallup is proceeding to excavate contaminated soil based on the analysis received from Hall Environmental Laboratories. The Hall Analytical Summary and Confirmation Sample drawing defines the locations that will be required to be excavated. Confirmation samples will then be collected.

The soil will be treated as Hazardous Waste (F037/F038/K051), placed in roll-off boxes under the 90 day status requirements, and be properly disposed in accordance with all Federal and State Regulations.

Both of these API overflows were the direct result of inclement weather conditions that were beyond the control of the Refinery. Gallup is in the design phase of a new "Stormwater Diversion Project" in order to eliminate overflows from the new API due to unexpected or inundated stormwater discharges. This project will be composed of two (2) Stormwater Diversion Tanks (T-27 and T-28) and an additional diversionary tank. This new system will connect directly into the current stormwater system. A new twenty-four inch (24") pipe will connect the old system to the Stormwater Diversion Tanks (T-27 and T-28). The stormwater will be pumped from the diversion tanks (T-27 and T-28) to the new API.

IV. DOCUMENT ENCLOSURE/ATTACHMENTS:

The following enclosures or attachments have been included in order to provide the Agency with a visual reference in order to aid in a better understanding of the event surrounding the API overflows that occurred on September 5 and December 8, 2009. These enclosures include the following: drawing of the API area indicating the extent of overflow contamination, Release Notification Forms (C-141) (Initial) Reports Filed with OCD/NMED, NMED correspondence, approved API Sampling Plan, Hall Environmental Laboratory Data Summary Spreadsheet, Hall Environmental Laboratory Analysis.

If you require additional information concerning this matter, please contact me at (505) 722-0258.

Sincerely,

Beck Larsen-CHMM, REM
Environmental Engineer
Western Refining (Southwest) (Gallup Refinery)

Enc: **NMED correspondence letters of January 7, 2010 and October 27, 2009**
Drawing of the API area
Drawing of the API area-confirmation samples
Drawing of API Sampling Plan, API Overflow of 12/8/2009
Drawing of API Sampling Plan, API Overflow of 09/5/2009
Drawing of NMED Corrected Sampling Plan (Refer to October 27, 2009 NMED Letter)
OCD (Release Notification and Corrective Action, C-141 (Initial) Report Submittals for September 5 and December 8, 2009 API Overflow events
Hall Environmental Laboratory Data Summary Spreadsheet
Hall Environmental Laboratory Analytical Report

Cc: Mr. Mark Turri, Gallup (Southwest), Refinery Manager
Mr. Ed Riege, Gallup (Southwest), Environmental Manager)
File

Larsen, Thurman

From: Monzeglio, Hope, NMENV [hope.monzeglio@state.nm.us]
Sent: Thursday, January 07, 2010 7:27 AM
To: Larsen, Thurman; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD
Cc: Cobrain, Dave, NMENV; Riege, Ed; Van Horn, Kristen, NMENV; Riege, Ed; Turri, Mark; Kieling, John, NMENV
Subject: RE: Initial Report (C-141) for API Spill of December 8, 2009

Beck

All contaminated soil and gravel must be removed, managed as hazardous waste, and shipped off-site for disposal. The contaminated soil and gravel must comply with the generator requirements found in 40 CFR 262 (e.g., compliance with 90-day storage requirements and all recordkeeping, waste profiling, transport, and disposal requirements). Confirmation samples must be collected from the locations identified in the "Proposed Sampling Plan." The soil samples must be analyzed for volatile organic compounds (VOCs) by EPA Method 8260, semi volatile organic compounds (SVOCs) by EPA Method 8270, diesel range organics extended (DRO) and gasoline range organics (GRO) by EPA Method 8015M, and RCRA metals.

Please revise and resend the Proposed Sampling Plan (email is acceptable) to identify the locations of all containment structures, berms, roads, natural levee etc., in reference to the area in which the release occurred. Also explain how Gallup determined the volume of the spill. This information must be submitted by January 25, 2010.

Gallup must make note that the API separator has leaked in the past and contaminated groundwater in this area; therefore, NMED does not agree that the environmental impact from the API overflows (which are becoming routine) is minimized by the permeability of the containment and the surrounding soils in the API and Baker tank areas. Gallup must eliminate releases from the API separator. NMED is evaluating additional requirements to address these frequent API overflows.

Let me know if you have any questions.

Hope

From: Larsen, Thurman [mailto:Thurman.Larsen@wnr.com]
Sent: Wednesday, December 23, 2009 2:04 PM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD
Cc: Cobrain, Dave, NMENV; Riege, Ed; Van Horn, Kristen, NMENV; Riege, Ed; Turri, Mark
Subject: RE: Initial Report (C-141) for API Spill of December 8, 2009

Dear Hope,

The following e-mail is a follow-up response to the e-mail that we received on December 21, 2009, in reference to the API overflow that occurred on December 8. The overflow as mentioned previously on the initial C-141 was due to inclement weather and storm conditions that passed through the area that resulted in a power loss to the Refinery. The power loss was due to "mother nature" that caused the power company to experience a loss of incoming power supplied to the Refinery, and therefore, was beyond our control. I have included a "pdf" drawing indicating the extent of the API overflow contamination area, and a picture reflecting this area as well.

The extent of the API overflow contamination was similar to the one that was experienced on September 5, 2009 except that the overflow on December 8, 2009 did not reach the lagoons due to the road berm that was constructed previously. When the power was lost, the Refinery did not have any operational controls that could retard or restrict the effluent flow to the API. The liquid began coming out of the overflow spouts as noted previously on the C-141. The API is bordered by a road between the Aeration Basins/Lagoons and the API on the west side of the API that acted as a containment preventing overflows from reaching the basins or lagoons. The road also extends past the Baker frac tank which is used to catch API overflows during brief periods. This road in conjunction with the natural levee on the east side creates a containment area so as to localize any API overflow that may occur. The road base, the containment, and the surrounding soil in the areas of the API are primarily clay. Any environmental impact due to API overflow (primarily water) is minimized due to the permeability of this containment and the surrounding soils in the API and Baker tank areas.

Attached is the proposed sampling plan for the API Overflow area. Please provide the required analysis that the agency is requiring for this event.

Sincerely,
Beck Larsen

From: Monzeglio, Hope, NMENV [mailto:hope.monzeglio@state.nm.us]
Sent: Monday, December 21, 2009 9:22 AM
To: Larsen, Thurman; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD
Cc: Cobrain, Dave, NMENV; Riege, Ed; Van Horn, Kristen, NMENV
Subject: RE: Initial Report (C-141) for API Spill of December 8, 2009

Beck

Please provide NMED with a drawing showing the extent of this release, include any photographic documentation if there is any. Include a detailed description of the areas the release covered and clarify if the release entered into the Aeration Lagoons, Evaporation Ponds 1 and 2? If the release entered the Aeration Lagoons or the Evaporation Ponds, describe all cleanup activities. Submittal of this information by email is acceptable.

Thanks
Hope

From: Larsen, Thurman [mailto:Thurman.Larsen@wnr.com]
Sent: Friday, December 18, 2009 6:11 PM
To: Monzeglio, Hope, NMENV; Chavez, Carl J, EMNRD; Powell, Brandon, EMNRD
Subject: Initial Report (C-141) for API Spill of December 8, 2009

Dear Hope, Carl, and Brandon,
The following attachment is for the API Spill that occurred on December 8, 2009 due to a winter storm that caused a power outage at Western Refining (Gallup Refinery). Initial cleanup has been completed. Please contact me if you require additional information.

Sincerely,
Beck Larsen

BILL RICHARDSON
Governor

DIANE DENISH
Lieutenant Governor

NEW MEXICO ENVIRONMENT DEPARTMENT

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us

RON CURRY
Secretary

JON GOLDSTEIN
Deputy Secretary

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

October 27, 2009

Mr. Ed Riege
Environmental Superintendent
Western Refining, Southwest Inc.,
Gallup Refinery
Route 3 Box 7
Gallup, New Mexico 87301

Mr. Beck Larsen
Environmental Engineer
Western Refining, Southwest Inc.,
Gallup Refinery
Route 3 Box 7
Gallup, New Mexico 87301

SUBJECT: SEPTEMBER 5, 2009 API SEPARATOR OVERFLOW REPORT
WESTERN REFINING, SOUTHWEST INC., GALLUP REFINERY
EPA ID NO. NMD000333211
HWB-GRCC-MISC

Dear Messrs Riege and Larsen:

The New Mexico Environment Department (NMED) received the Western Refining Southwest Inc., Gallup Refinery (the Permittee) Report summarizing the overflow and interim measures remedial actions at the API separator on September 5, 2009. The Permittee collected ten soil samples and presented the analytical results in a table titled "Hall Environmental Laboratory Data Summary." The analytical results identified diesel range organics (DRO) extended (which include motor oil range organics (MRO)) ranging from 229 mg/kg to 11,000 mg/kg, all exceeding the NMED's Total Petroleum Screening (TPH) Guidelines of 200 mg/kg for "unknown oil." NMED compared the cumulative values of the DRO and MRO detections when comparing the values to the NMED TPH standard for unknown oil of 200 mg/kg (e.g., sample BKT-E-7 had a DRO detection of 150 mg/kg and a MRO detection of 79 mg/kg with a cumulative value of 229 mg/kg). Because the release came from the API separator, the exact source(s) of the hydrocarbons are unknown.

The Permittee must complete additional cleanup activities as follows:

a. The Permittee must remove additional contaminated soils in the vicinity of the API Separator and the Baker Tank within the hatched area identified in the "Sampling Plan" figure (attached).

b. The Permittee must collect confirmation samples from the approximate locations of all of the former sampling locations with the exception the roll-off box location. The Permittee must also collect samples from the additional sample locations identified in the attached figure. All samples must be collected from the limits of the excavation not to exceed six inches in depth.

c. All confirmation samples must be analyzed for DRO extended. In addition, samples collected from locations API-E-2 and BKT-E-7, BKT-S-8, and BKT-W-9 must also be analyzed for gasoline range organics.

d. The confirmation samples must not exceed organics concentrations of 200 mg/kg, if such concentrations exceed 200 mg/kg then additional soil removal will be required until detected concentrations are less than 200 mg/kg.

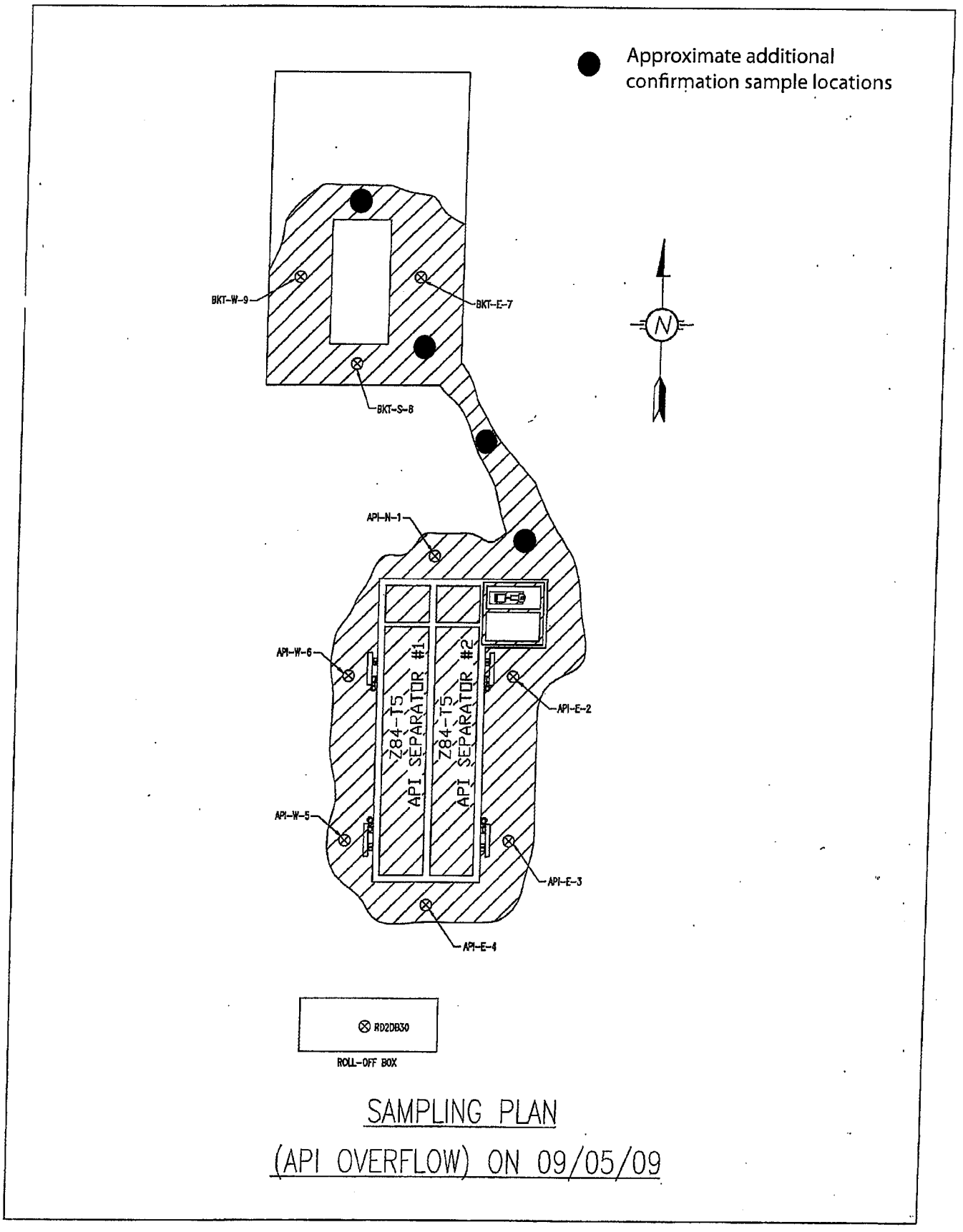
e. The Permittee must submit a report (letter format is acceptable) that describes the additional soil clean up activities, explains how additional contaminated soil was removed, describes how confirmation samples are collected and documents the disposal of the contaminated soils. The Permittee must also include all analytical data in table format, copies of the final laboratory reports, and include a figure that identifies the locations of all confirmation samples.

The Permittee must submit the report to NMED on or before February 1, 2010. If you have questions please contact Hope Monzeglio of my staff at 505-476-6045.

Sincerely,

John E. Kieling
Program Manager
Permits Management Program
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
H. Monzeglio, NMED HWB
C. Chavez, NMEMNRD OCD
File: Reading GRCC 2009
GRCC-MISC



SAMPLING PLAN

(API OVERFLOW) ON 09/05/09

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	Contact Beck Larsen
Address I-40/Exit 39, Jamestown, NM 87347	Telephone No.(505) 722-0258
Facility Name Gallup Refinery	Facility Type 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
	28	15N	15W					McKinley

Latitude 35° 29′030″ **Longitude** 108° 24′040″

NATURE OF RELEASE

Type of Release API Overflow	Volume of Release 739 bbls (API oily water)	Volume Recovered >720 bbls (API oily Water)
Source of Release API UNIT	Date and Hour of Occurrence 12/08/2009; 0300 hrs	Date and Hour of Discovery 12/05/2009; 0300 hrs
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? OCD & NMED (Carl Chavez, Steve Conley, Hope Monzeglio)	
By Whom? Beck Larsen	Date and Hour 12/08/2009 / ~ 1030 hrs	
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.*

At or about midnight on Tuesday, December 8, a winter storm passed through the area precipitating heavy snow and high winds. Due to this event at 0300 hrs (December 8), a plant wide electrical power failure occurred to all units throughout the facility. After a thorough power distribution evaluation, the cause of this incident was found to be resultant of several power glitches or amperage line deviations from Tristate Power Company in Albuquerque. As a result of high winds in the Albuquerque area, several power deviations occurred between 0241 to 0249 hours causing two power lines to slap together creating a Phase A / Phase C power line short at the Tristate distribution center or substation. These power glitches were transmitted to Western Refinery (Gallup Refinery) as an incoming line fluctuation or line distortion in amperage. This transmitted to a decrease in amperage of 15 to 20 percent. This distortion caused two of compressors to go off line initiating a plant wide electrical power failure to all units. After all information was collected from various sources, it was estimated that due to this power failure, the API incurred intermittently overflowed for about 10 to 12 hours. An onsite vacuum truck was immediately dispatched during this event in order to minimize and spread of contamination and to begin cleanup operations. No injuries were incurred during this event as a result of this power failure.

Describe Area Affected and Cleanup Action Taken.*

The affected area was localized around the API and baker frac tank containment areas. Initial cleanup efforts began immediately on Tuesday, December 8, 2009 during this event utilizing an onsite vacuum truck. Maintenance and Contract personnel began cleaning up the any aqueous/oily portion of overflow contamination and any contaminated soil and rock debris surrounding the API area. Personnel conduct cleanup of areas such as depressions or other conveyances adjacent to the API area in order that contamination would not spread. Initial cleanup efforts were completed on Monday, December 14, 2009. All contaminated material were put into a roll-off box to be tested (analyzed by an outside lab), prior to shipment off site for disposal to an approved facility. Final cleanup of this area will be determined based on laboratory analysis.

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: Beck Larsen	Approved by District Supervisor:

Title: Environmental Engineer	Approval Date:	Expiration Date:
E-mail Address: Thurman.larsen@wnr.com	Conditions of Approval:	Attached ☐
Date: 12/18/2009 Phone: (505) 722-0258		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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1000 Rio Brazos Road, Aztec, NM 87410
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State of New Mexico
Energy Minerals and Natural Resources

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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	Contact Beck Larsen
Address I-40/Exit 39, Jamestown, NM 87347	Telephone No.(505) 722-0258
Facility Name Gallup Refinery	Facility Type 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
	28	15N	15W					McKinley

Latitude 35° 29′030″ **Longitude** 108° 24′040″

NATURE OF RELEASE

Type of Release API Overflow	Volume of Release 6.5 bbls (oil)	Volume Recovered 5.5 bbls (oil) (estimated)
Source of Release API UNIT	Date and Hour of Occurrence 9/05/2009; 1215 hrs / 1830 hrs	Date and Hour of Discovery 9/05/2009; 1215 hrs / 1830 hrs
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? OCD & NMED	
By Whom? Beck Larsen	Date and Hour 9/06/2009 / 1750 hrs	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

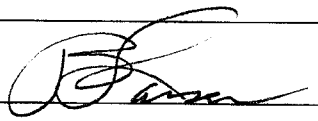
Describe Cause of Problem and Remedial Action Taken.*

On Saturday, September 5 at approximately 1143 hrs, Off-site personnel began bypassing filters and weir box in preparation for a possible rain event. At about 1200 to 1230 hrs, Saturday, September, 5, 2009, a heavy rain and thunderstorms passed over the facility. It began raining heavily for about 20 to 30 minutes. At 1220 hrs the new API began to overflow into the Baker Frac Tank. The API Operators began pumping from the new API to T-105/T-107 in order to remove as much water as possible from the API. The rain slacked off from a heavy to a moderate to light. At 1245 hrs the new API (East and West) Bays began to overflow due to the excessive rain. The API continued to overflow for about an hour. At 1800 hrs a second rain event began due to a secondary thunderstorm cell passing over the facility. Once again, the new API began to overflow a second time for an hour due to excess stormwater. The total overflow for both events was approximately 2 hours. A total rainfall for both events was approximately 1.6 inches.

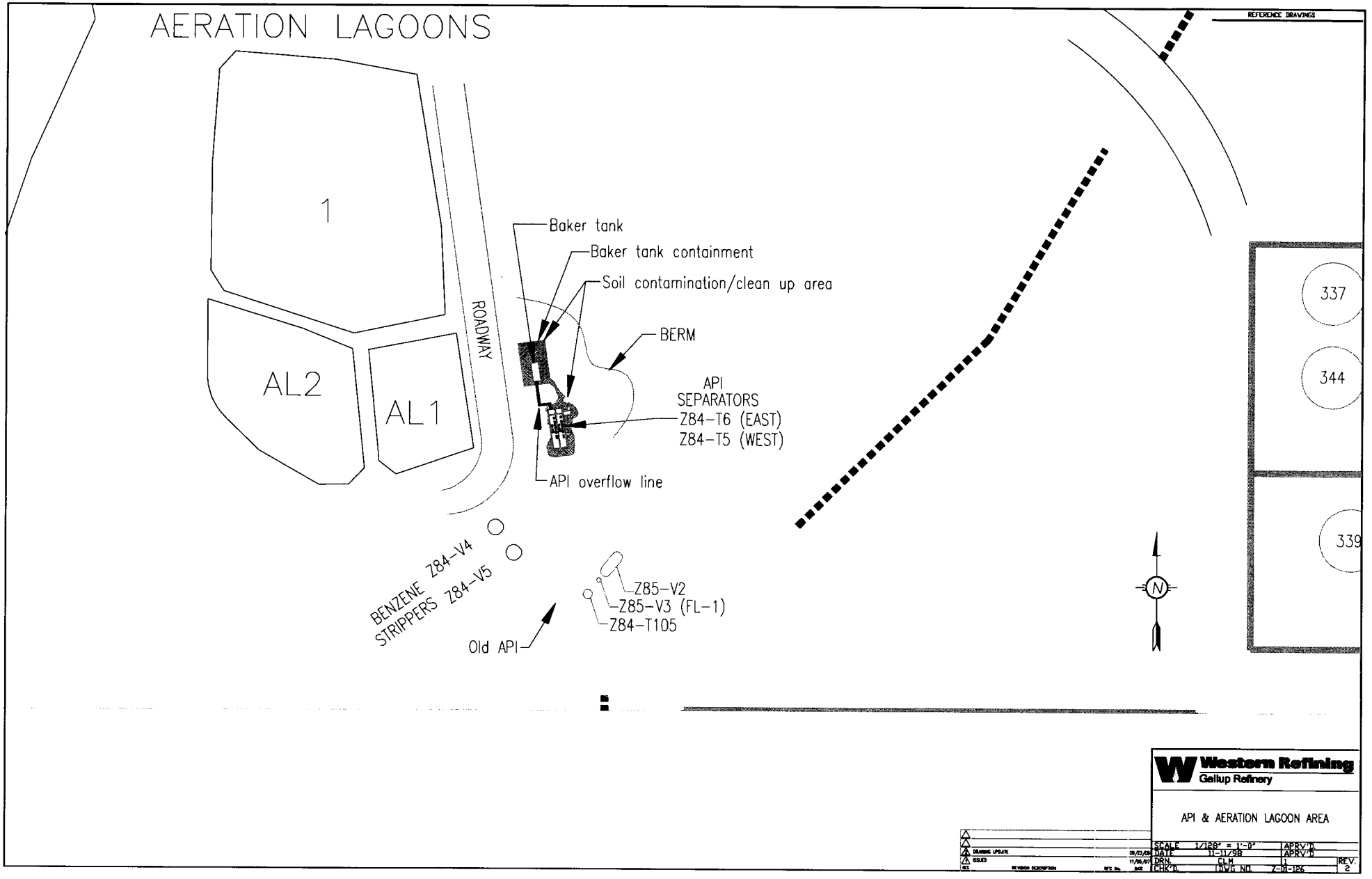
Describe Area Affected and Cleanup Action Taken.*

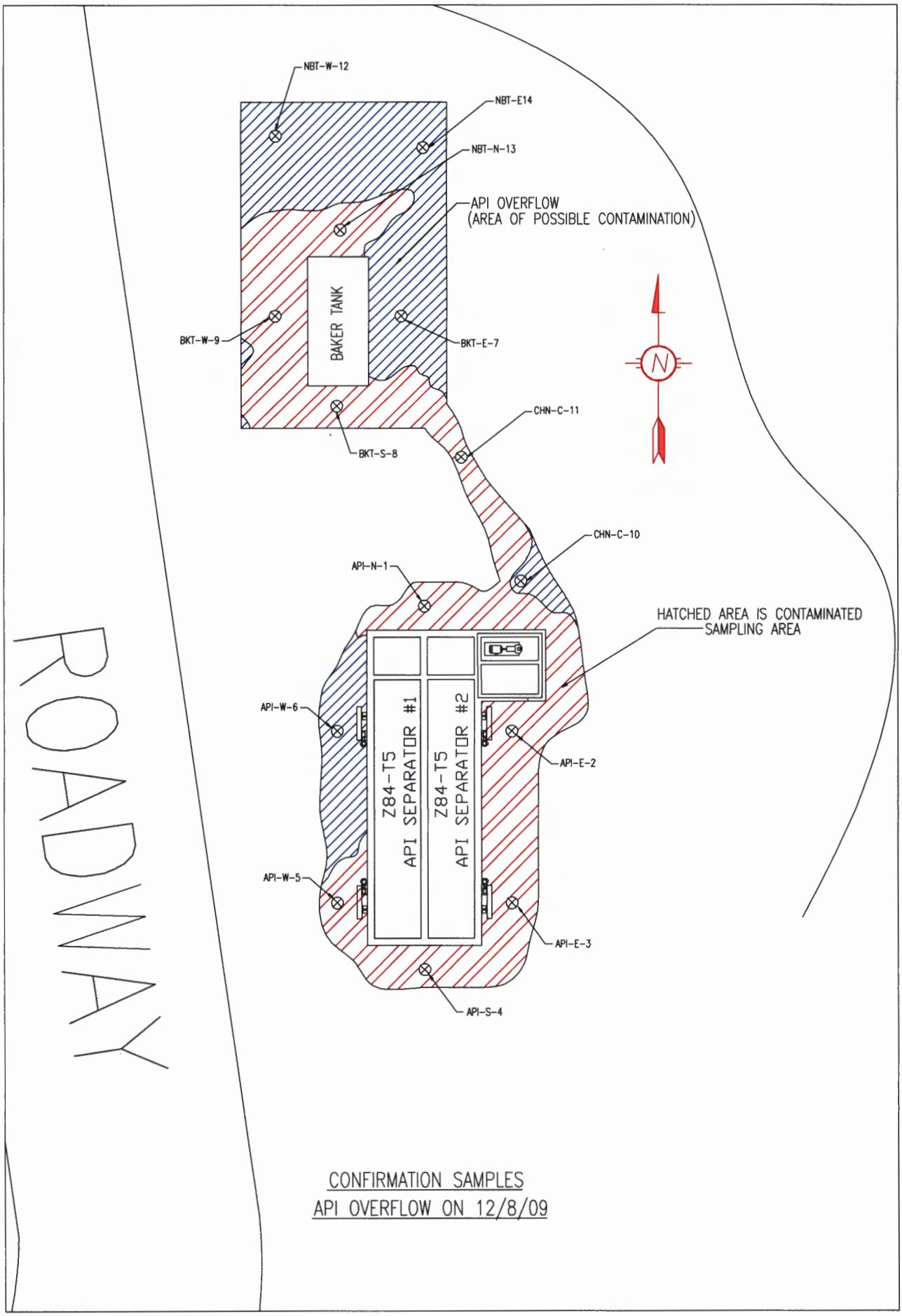
Cleanup efforts began immediately on September 5, 2009 during the rain event using a vacuum truck. Maintenance and Contract personnel began cleaning up the any aqueous/oily portion of overflow contamination and any contaminated soil and rock debris surrounding the API area. Personnel conduct cleanup of areas such as depressions or other conveyances adjacent to the API area that any contamination may or did spread. After immediate cleanup efforts were completed, all contaminated material were put into a roll-off box to be tested (analyzed by an outside lab), prior to shipment off site for disposal to an approved facility. Contract personnel delivered and spread new gravel and rock material around the API area. Final cleanup of this area was completed on or about September 10, 2009.

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.

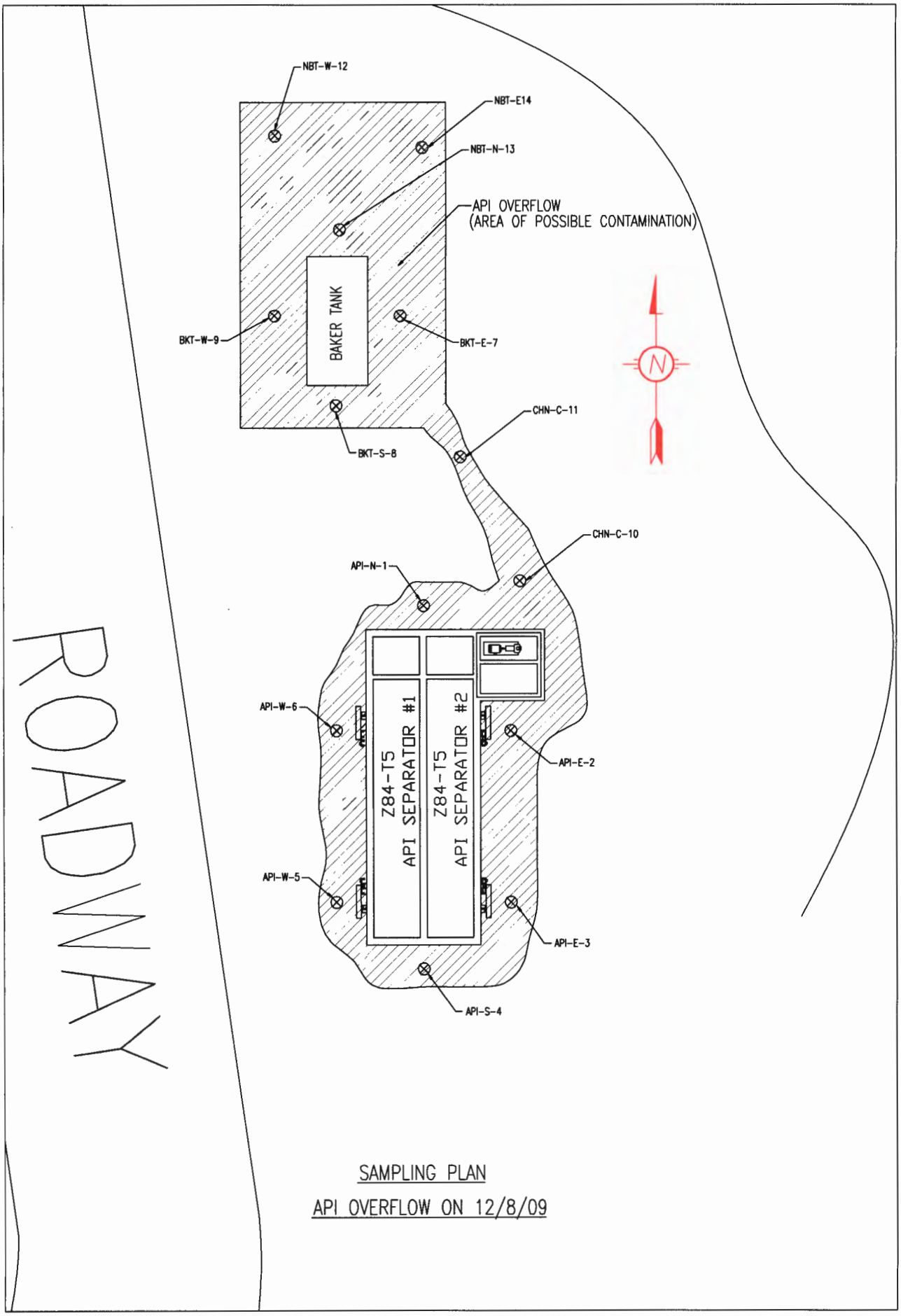
Signature: 	OIL CONSERVATION DIVISION	
Printed Name: Beck Larsen	Approved by District Supervisor:	
Title: Environmental Engineer	Approval Date:	Expiration Date:
E-mail Address: Thurman.larsen@wnr.com	Conditions of Approval:	Attached ☐
Date: 7/21/2009 Phone: (505) 722-0258		

* Attach Additional Sheets If Necessary


AERATION LAGOONS
REFERENCE DRAWINGS
1
AL2
AL1
ROADWAY
Baker tank
Baker tank containment
Soil contamination/clean up area
BERM
API
SEPARATORS
Z84-T6 (EAST)
Z84-T5 (WEST)
API overflow line
337
344
339
BENZENE Z84-V4
STRIPPERS Z84-V5
Z85-V2
Z85-V3 (FL-1)
Z84-T105
Old API
N
Western Refining
Gallup Refinery
API & AERATION LAGOON AREA
SCALE 1/128" = 1'-0"
DATE 11-11/98
DRN. CLM
CHK'D.
DWG NO. Z-01-126
REV. 2

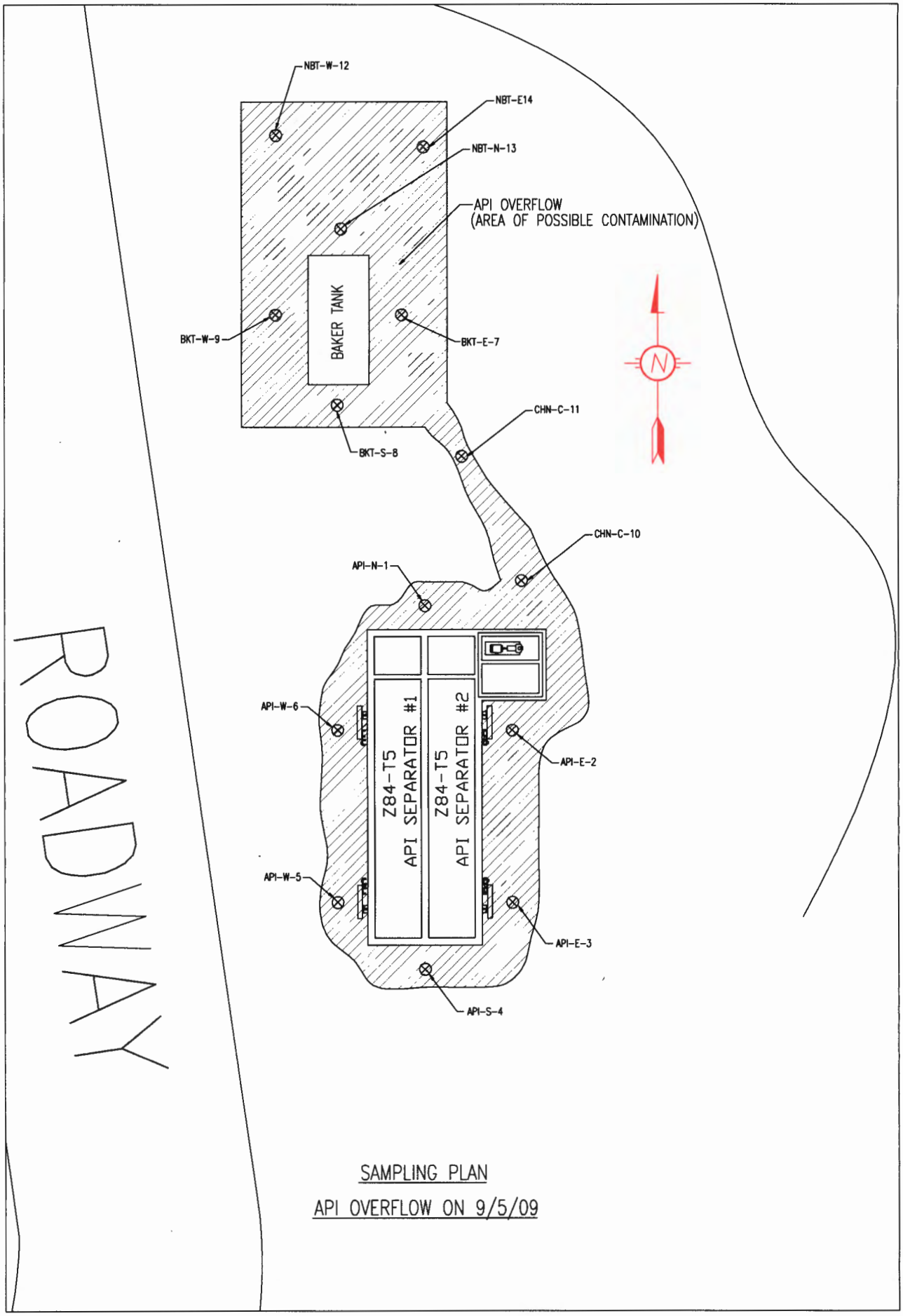


CONFIRMATION SAMPLES
API OVERFLOW ON 12/8/09



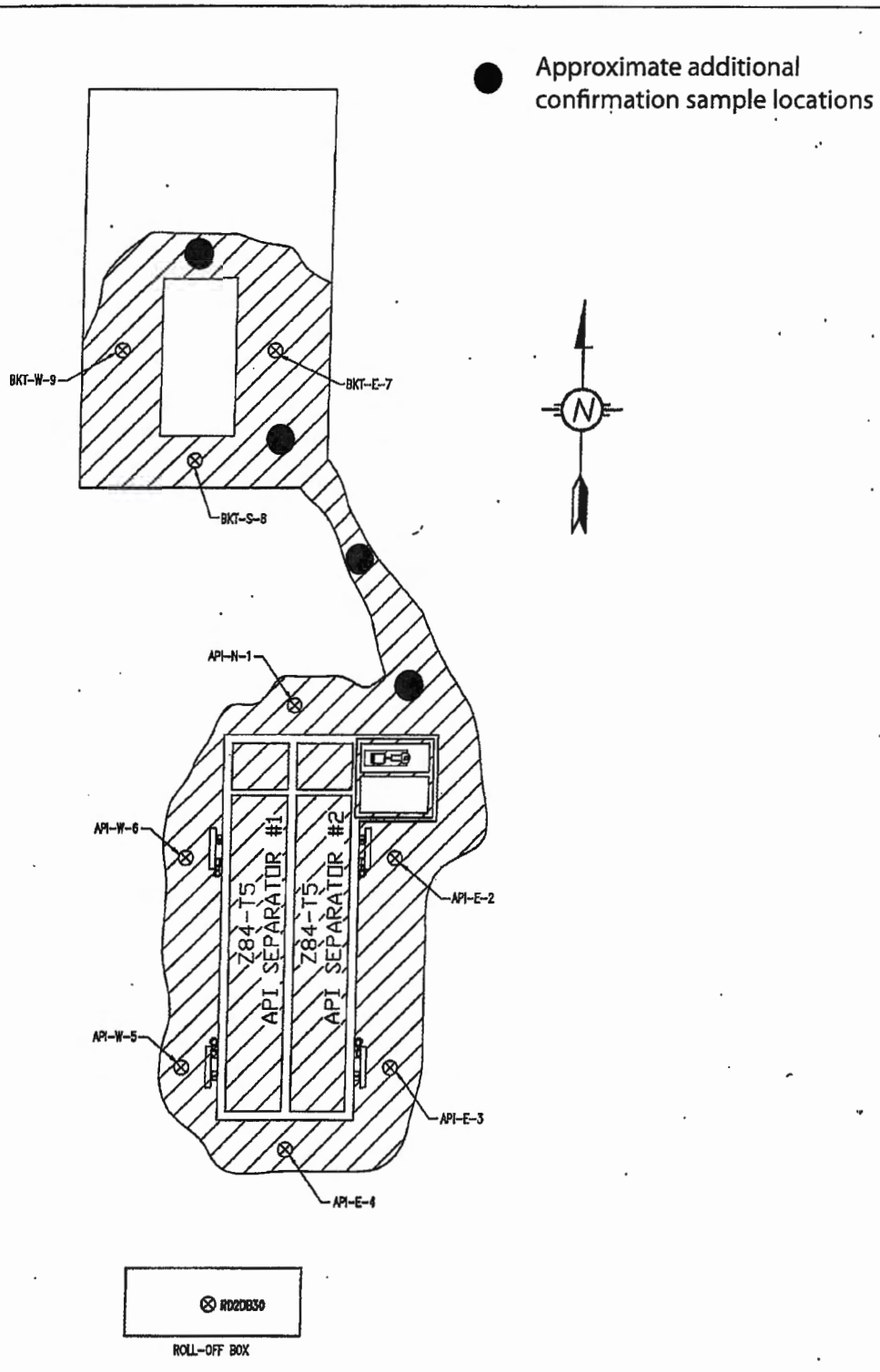
SAMPLING PLAN

API OVERFLOW ON 12/8/09



SAMPLING PLAN

API OVERFLOW ON 9/5/09



SAMPLING PLAN

(API OVERFLOW) ON 09/05/09

HALL ENVIRONMENTAL LABORATORY DATA SUMMARY

(API Spill on 12/08/09)

Sample ID: 1001093 (SOIL CONFIRMATION SAMPLING EVENT)

ANALYTES	Units	API-N-1	API-E-2	API-E-3	API-S-4	API-W-5	API-W-6	BKT-E-7	BKT-S-8	BKT-W-9	CHN-C-10	CHN-C-11	NBT-W-12	NBT-N-13	NBT-E-14	MAXIMUM CONTAMINATION FOUND	NMED SOIL SCREENING LEVELS (mg/Kg)	CLEANUP STATUS
TPH	mg/Kg	**802**	**920**	**1620**	**9300**	**285**	69	107	**1990**	**2916**	170	**230**	115	**720**	65	**9300**	**200**	**Contaminated**
DRO	mg/Kg	**710**	**870**	**1500**	**8700**	**210**	14	31	**1100**	**560**	88	120	32	**390**	10	**8700**	N/A	**O.K.!**
MRO	mg/Kg	67	0	0	500	50	50	50	500	56	72	100	78	120	50	**500**	N/A	**O.K.!**
GRO	mg/Kg	25	50	120	100	25	5	26	390	**2300**	10	10	5	**210**	5	**2300**	N/A	**O.K.!**
Ignibility	deg F	NO RCI ANALYTICAL TEST PERFORMED														0	N/A	**O.K.!**
Corrosivity	s.u.															0	N/A	**O.K.!**
Reactivity (CN)	mg/Kg															0	N/A	**O.K.!**
Reactivity (S)	mg/Kg															0	N/A	**O.K.!**
METALS																		
As	mg/Kg															0	**17.7**	**O.K.!**
Ba	mg/Kg	420	500	380	480	130	450	500	360	640	350	380	350	350	310	640	**100000**	**O.K.!**
Cd	mg/Kg															0	**564**	**O.K.!**
Cr	mg/Kg	6.6	4.0	73	5.2	1.7	3.4	8.7	7.6	9.0	9.1	11	9.1	7.3	5.0	73	**100000**	**O.K.!**
Pb	mg/Kg	1.9	1.3	3.5	4.0	3.3	1.3	5.6	5.8	6.8	7.2	5.8	7.7	6.5	6.2	7.7	**800**	**O.K.!**
Hg	mg/Kg	0.048		0.11			0.035	0.071				0.077	0.068	0.067		0.11	**100000**	**O.K.!**
Se	mg/Kg															0	**568**	**O.K.!**
Ag	mg/Kg															0	**568**	**O.K.!**
VOLATILES																		
Benzene	mg/Kg							0.15	0.91	6.9				0.25		6.9	**258**	**O.K.!**
Toluene	mg/Kg			0.06				0.82	14	11				5.8		14	**252**	**O.K.!**
Ethylbenzene	mg/Kg			0.15				0.28	5.1	28				2.6		28	**128**	**O.K.!**
1,2,4-Trimethylbenzene	mg/Kg	0.88	0.081	1.1	11	0.09		0.8	22	53		0.13		7.5		53	**269**	**O.K.!**
1,3,5-Trimethylbenzene	mg/Kg	0.36		1.1	1.1	0.16		0.31	7.9	20		0.059		3.4		20	**69.2**	**O.K.!**
Naphthlene	mg/Kg	0.32	0.22	0.74	1.1			0.24	10	13				0.81		13	**300**	**O.K.!**
1-Methylnaphthalene	mg/Kg	1.0	1.4	2.0	17	0.35		0.38	17	14				2.4		17	N/A	**O.K.!**
2-Methylnaphthalene	mg/Kg	1.6	1.6	2.3	35	0.34		0.71	34	27		0.23		3.0		35	N/A	**O.K.!**
Isopropylbenzene	mg/Kg							0.82	1.4	5.4				0.69		5.4	N/A	**O.K.!**
4-Isopropyltoluene	mg/Kg	0.64		0.11	0.44				0.88					0.32		0.88	N/A	**O.K.!**
n-butylbenzene	mg/Kg	0.22		0.71	0.72	0.13		0.13	3.5	6.2				1.0		6.2	**62.1**	**O.K.!**
n-propylbenzene	mg/Kg			0.097	0.43			0.12	3.0	10				1.3		10	**62.1**	**O.K.!**
sec-butylbenzene	mg/Kg	0.055	nd	0.11	0.56				1.2	2.6				0.44		2.6	**60.6**	**O.K.!**
Xylene, Total	mg/Kg			0.8	1.9			2.0	36	**180**				19		**180**	**82**	**Contaminated**
SEMIVOLATILES																		
Fluorene	mg/Kg				1.9											1.9	**26500**	**O.K.!**
Phenanthrene	mg/Kg	0.47	1.1		9.2	0.21			2.0	0.6				0.65		9.2	**20500**	**O.K.!**
Phenol	mg/Kg									0.36						0.36	N/A	**O.K.!**
Pyrene	mg/Kg		0.26		1.1				0.23							1.1	**30900**	**O.K.!**
2-Methylnaphthalene	mg/Kg	0.5	1.6	2.1	29				8.7	3.5				0.89		29	N/A	**O.K.!**
Naphthlene	mg/Kg			0.49	59				2.5	1.5				0.24		59	**300**	**O.K.!**

NOTE: BLANKS indicate a Non-detect (ND).

"Light Blue" color area highlights (DRO" REQUIRED); IF DRO> 200 ppm, 8270 method was to be run. However, Method 8270 (Semi-volatiles was run on ALL sample points)

"Yellow" color area highlights the maximum contaminant for a particular sample ID above

"Green" highlights the NMED Soil Screen Levels (mg/Kg) for Industrial Facilities for a particular contaminant

"Brown" (CLEANUP STATUS) indicates that cleanup was sufficient or insufficient based on NMED Soil Screening Levels for Industrial Facilities.

HALL
ENVIRONMENTAL
ANALYSIS
LABORATORY

COVER LETTER

Friday, January 15, 2010

Thurman B. Larsen
Western Refining Southwest, Gallup
Rt. 3 Box 7
Gallup, NM 87301

TEL: (505) 722-0258
FAX (505) 722-0210

RE: API Overflow Sample Points

Order No.: 1001093

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory, Inc. received 14 sample(s) on 1/8/2010 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, Laboratory Manager

NM Lab # NM9425 NM0901
AZ license # AZ0682
ORELAP Lab # NM100001
Texas Lab# T104704424-08-TX

Hall Environmental Analysis Laboratory, Inc. **Date:** *15-Jan-10*

CLIENT: Western Refining Southwest, Gallup
Project: API Overflow Sample Points
Lab Order: 1001093

CASE NARRATIVE

"S" flags denote that the surrogate was not recoverable due to sample dilution or matrix interferences.

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-N-1
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:30:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	710	10		mg/Kg	1	1/12/2010 10:16:16 AM
Motor Oil Range Organics (MRO)	67	50		mg/Kg	1	1/12/2010 10:16:16 AM
Surr: DNOP	121	61.7-135		%REC	1	1/12/2010 10:16:16 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	1/13/2010 12:07:56 PM
Surr: BFB	106	65.9-118		%REC	5	1/13/2010 12:07:56 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.048	0.033		mg/Kg	1	1/12/2010 3:28:46 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:07:52 PM
Barium	420	1.0		mg/Kg	10	1/11/2010 3:01:52 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:07:52 PM
Chromium	6.6	1.5		mg/Kg	5	1/11/2010 1:07:52 PM
Lead	1.9	1.3		mg/Kg	5	1/11/2010 1:07:52 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:07:52 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:07:52 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-N-1
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:30:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 2:43:43 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 2:43:43 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 2:43:43 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 2:43:43 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 2:43:43 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 2:43:43 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 2:43:43 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
2-Methylnaphthalene	0.50	0.25		mg/Kg	1	1/12/2010 2:43:43 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Naphthalene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 2:43:43 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 2:43:43 PM
Phenanthrene	0.47	0.20		mg/Kg	1	1/12/2010 2:43:43 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-N-1
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:30:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 2:43:43 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 2:43:43 PM
Surr: 2,4,6-Tribromophenol	70.1	35.5-141		%REC	1	1/12/2010 2:43:43 PM
Surr: 2-Fluorobiphenyl	72.2	30.4-128		%REC	1	1/12/2010 2:43:43 PM
Surr: 2-Fluorophenol	63.7	28.1-129		%REC	1	1/12/2010 2:43:43 PM
Surr: 4-Terphenyl-d14	48.5	34.6-151		%REC	1	1/12/2010 2:43:43 PM
Surr: Nitrobenzene-d5	64.6	26.5-122		%REC	1	1/12/2010 2:43:43 PM
Surr: Phenol-d5	62.3	37.6-118		%REC	1	1/12/2010 2:43:43 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Toluene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,2,4-Trimethylbenzene	0.88	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,3,5-Trimethylbenzene	0.36	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Naphthalene	0.32	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
1-Methylnaphthalene	1.0	0.20		mg/Kg	1	1/12/2010 3:51:55 PM
2-Methylnaphthalene	1.6	0.20		mg/Kg	1	1/12/2010 3:51:55 PM
Acetone	ND	0.75		mg/Kg	1	1/12/2010 3:51:55 PM
Bromobenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Bromoform	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Bromomethane	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
2-Butanone	ND	0.50		mg/Kg	1	1/12/2010 3:51:55 PM
Carbon disulfide	ND	0.50		mg/Kg	1	1/12/2010 3:51:55 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
Chlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Chloroethane	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
Chloroform	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Chloromethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM

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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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-N-1
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:30:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Dibromomethane	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
2-Hexanone	ND	0.50		mg/Kg	1	1/12/2010 3:51:55 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
4-Isopropyltoluene	0.064	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/12/2010 3:51:55 PM
Methylene chloride	ND	0.15		mg/Kg	1	1/12/2010 3:51:55 PM
n-Butylbenzene	0.22	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
sec-Butylbenzene	0.055	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Styrene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
Vinyl chloride	ND	0.050		mg/Kg	1	1/12/2010 3:51:55 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/12/2010 3:51:55 PM
Surr: 1,2-Dichloroethane-d4	95.7	59.5-119		%REC	1	1/12/2010 3:51:55 PM
Surr: 4-Bromofluorobenzene	100	57.9-141		%REC	1	1/12/2010 3:51:55 PM
Surr: Dibromofluoromethane	107	65.4-122		%REC	1	1/12/2010 3:51:55 PM
Surr: Toluene-d8	82.2	81.1-112		%REC	1	1/12/2010 3:51:55 PM

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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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-2
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:45:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	870	100		mg/Kg	10	1/13/2010 10:54:17 AM
Motor Oil Range Organics (MRO)	ND	500		mg/Kg	10	1/13/2010 10:54:17 AM
Surr: DNOP	94.6	61.7-135		%REC	10	1/13/2010 10:54:17 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	50		mg/Kg	10	1/13/2010 12:36:43 PM
Surr: BFB	101	65.9-118		%REC	10	1/13/2010 12:36:43 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	1/12/2010 3:30:32 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:12:08 PM
Barium	500	2.0		mg/Kg	20	1/11/2010 3:34:57 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:12:08 PM
Chromium	4.0	1.5		mg/Kg	5	1/11/2010 1:12:08 PM
Lead	ND	1.3		mg/Kg	5	1/11/2010 1:12:08 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:12:08 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:12:08 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-2
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:45:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 3:13:07 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 3:13:07 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 3:13:07 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 3:13:07 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 3:13:07 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 3:13:07 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 3:13:07 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
2-Methylnaphthalene	1.6	0.25		mg/Kg	1	1/12/2010 3:13:07 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Naphthalene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 3:13:07 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 3:13:07 PM
Phenanthrene	1.1	0.20		mg/Kg	1	1/12/2010 3:13:07 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-2
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:45:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Pyrene	0.26	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 3:13:07 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 3:13:07 PM
Surr: 2,4,6-Tribromophenol	35.4	35.5-141	S	%REC	1	1/12/2010 3:13:07 PM
Surr: 2-Fluorobiphenyl	78.3	30.4-128		%REC	1	1/12/2010 3:13:07 PM
Surr: 2-Fluorophenol	39.8	28.1-129		%REC	1	1/12/2010 3:13:07 PM
Surr: 4-Terphenyl-d14	50.3	34.6-151		%REC	1	1/12/2010 3:13:07 PM
Surr: Nitrobenzene-d5	75.1	26.5-122		%REC	1	1/12/2010 3:13:07 PM
Surr: Phenol-d5	48.3	37.6-118		%REC	1	1/12/2010 3:13:07 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Toluene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,2,4-Trimethylbenzene	0.081	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Naphthalene	0.22	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
1-Methylnaphthalene	1.4	0.20		mg/Kg	1	1/12/2010 4:48:07 PM
2-Methylnaphthalene	1.6	0.20		mg/Kg	1	1/12/2010 4:48:07 PM
Acetone	ND	0.75		mg/Kg	1	1/12/2010 4:48:07 PM
Bromobenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Bromoform	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Bromomethane	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
2-Butanone	ND	0.50		mg/Kg	1	1/12/2010 4:48:07 PM
Carbon disulfide	ND	0.50		mg/Kg	1	1/12/2010 4:48:07 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
Chlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Chloroethane	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
Chloroform	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Chloromethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM

Qualifiers:

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- 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-2
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:45:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Dibromomethane	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
2-Hexanone	ND	0.50		mg/Kg	1	1/12/2010 4:48:07 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/12/2010 4:48:07 PM
Methylene chloride	ND	0.15		mg/Kg	1	1/12/2010 4:48:07 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Styrene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
Vinyl chloride	ND	0.050		mg/Kg	1	1/12/2010 4:48:07 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/12/2010 4:48:07 PM
Surr: 1,2-Dichloroethane-d4	97.0	59.5-119		%REC	1	1/12/2010 4:48:07 PM
Surr: 4-Bromofluorobenzene	99.2	57.9-141		%REC	1	1/12/2010 4:48:07 PM
Surr: Dibromofluoromethane	110	65.4-122		%REC	1	1/12/2010 4:48:07 PM
Surr: Toluene-d8	90.5	81.1-112		%REC	1	1/12/2010 4:48:07 PM

Qualifiers:

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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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-3
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:59:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	1500	200		mg/Kg	20	1/13/2010 11:30:47 AM
Motor Oil Range Organics (MRO)	ND	1000		mg/Kg	20	1/13/2010 11:30:47 AM
Surr: DNOP	0	61.7-135	S	%REC	20	1/13/2010 11:30:47 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	120	50		mg/Kg	10	1/13/2010 1:05:30 PM
Surr: BFB	124	65.9-118	S	%REC	10	1/13/2010 1:05:30 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.11	0.033		mg/Kg	1	1/12/2010 3:35:51 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:16:23 PM
Barium	380	1.0		mg/Kg	10	1/11/2010 3:05:48 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:16:23 PM
Chromium	73	1.5		mg/Kg	5	1/11/2010 1:16:23 PM
Lead	3.5	1.3		mg/Kg	5	1/11/2010 1:16:23 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:16:23 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:16:23 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Acenaphthylene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Aniline	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Anthracene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Azobenzene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Benz(a)anthracene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Benzo(a)pyrene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Benzo(b)fluoranthene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Benzo(g,h,i)perylene	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
Benzo(k)fluoranthene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Benzoic acid	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
Benzyl alcohol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Bis(2-chloroethoxy)methane	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Bis(2-chloroethyl)ether	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Bis(2-chloroisopropyl)ether	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
4-Bromophenyl phenyl ether	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Butyl benzyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Carbazole	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
4-Chloro-3-methylphenol	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
4-Chloroaniline	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-3
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:59:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2-Chloronaphthalene	ND	0.50		mg/Kg	1	1/12/2010 3:42:20 PM
2-Chlorophenol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
4-Chlorophenyl phenyl ether	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Chrysene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Di-n-butyl phthalate	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
Di-n-octyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Dibenz(a,h)anthracene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Dibenzofuran	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
1,2-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
1,3-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
1,4-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
3,3'-Dichlorobenzidine	ND	0.50		mg/Kg	1	1/12/2010 3:42:20 PM
Diethyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Dimethyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
2,4-Dichlorophenol	ND	0.80		mg/Kg	1	1/12/2010 3:42:20 PM
2,4-Dimethylphenol	ND	0.60		mg/Kg	1	1/12/2010 3:42:20 PM
4,6-Dinitro-2-methylphenol	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
2,4-Dinitrophenol	ND	0.80		mg/Kg	1	1/12/2010 3:42:20 PM
2,4-Dinitrotoluene	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
2,6-Dinitrotoluene	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
Fluoranthene	ND	0.50		mg/Kg	1	1/12/2010 3:42:20 PM
Fluorene	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
Hexachlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Hexachlorobutadiene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Hexachlorocyclopentadiene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Hexachloroethane	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Indeno(1,2,3-cd)pyrene	ND	0.50		mg/Kg	1	1/12/2010 3:42:20 PM
Isophorone	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
2-Methylnaphthalene	2.1	0.50		mg/Kg	1	1/12/2010 3:42:20 PM
2-Methylphenol	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
3+4-Methylphenol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
N-Nitrosodi-n-propylamine	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
N-Nitrosodiphenylamine	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Naphthalene	0.49	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
2-Nitroaniline	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
3-Nitroaniline	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
4-Nitroaniline	ND	0.50		mg/Kg	1	1/12/2010 3:42:20 PM
Nitrobenzene	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
2-Nitrophenol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
4-Nitrophenol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Pentachlorophenol	ND	0.80		mg/Kg	1	1/12/2010 3:42:20 PM
Phenanthrene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-3
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:59:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Pyrene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Pyridine	ND	1.0		mg/Kg	1	1/12/2010 3:42:20 PM
1,2,4-Trichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
2,4,5-Trichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
2,4,6-Trichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 3:42:20 PM
Surr: 2,4,6-Tribromophenol	38.9	35.5-141		%REC	1	1/12/2010 3:42:20 PM
Surr: 2-Fluorobiphenyl	52.4	30.4-128		%REC	1	1/12/2010 3:42:20 PM
Surr: 2-Fluorophenol	47.5	28.1-129		%REC	1	1/12/2010 3:42:20 PM
Surr: 4-Terphenyl-d14	40.3	34.6-151		%REC	1	1/12/2010 3:42:20 PM
Surr: Nitrobenzene-d5	52.5	26.5-122		%REC	1	1/12/2010 3:42:20 PM
Surr: Phenol-d5	49.7	37.6-118		%REC	1	1/12/2010 3:42:20 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Toluene	0.060	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Ethylbenzene	0.15	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,2,4-Trimethylbenzene	1.1	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,3,5-Trimethylbenzene	1.1	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Naphthalene	0.74	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
1-Methylnaphthalene	2.0	0.20		mg/Kg	1	1/12/2010 5:44:40 PM
2-Methylnaphthalene	3.0	0.20		mg/Kg	1	1/12/2010 5:44:40 PM
Acetone	ND	0.75		mg/Kg	1	1/12/2010 5:44:40 PM
Bromobenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Bromoform	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Bromomethane	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
2-Butanone	ND	0.50		mg/Kg	1	1/12/2010 5:44:40 PM
Carbon disulfide	ND	0.50		mg/Kg	1	1/12/2010 5:44:40 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
Chlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Chloroethane	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
Chloroform	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Chloromethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-E-3
Lab Order:	1001093	**Collection Date:**	1/6/2010 10:59:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Dibromomethane	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
2-Hexanone	ND	0.50		mg/Kg	1	1/12/2010 5:44:40 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
4-Isopropyltoluene	0.11	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/12/2010 5:44:40 PM
Methylene chloride	ND	0.15		mg/Kg	1	1/12/2010 5:44:40 PM
n-Butylbenzene	0.71	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
n-Propylbenzene	0.097	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
sec-Butylbenzene	0.11	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Styrene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
Vinyl chloride	ND	0.050		mg/Kg	1	1/12/2010 5:44:40 PM
Xylenes, Total	0.80	0.10		mg/Kg	1	1/12/2010 5:44:40 PM
Surr: 1,2-Dichloroethane-d4	120	59.5-119	S	%REC	1	1/12/2010 5:44:40 PM
Surr: 4-Bromofluorobenzene	160	57.9-141	S	%REC	1	1/12/2010 5:44:40 PM
Surr: Dibromofluoromethane	121	65.4-122		%REC	1	1/12/2010 5:44:40 PM
Surr: Toluene-d8	83.3	81.1-112		%REC	1	1/12/2010 5:44:40 PM

Qualifiers:

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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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-S-4
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:15:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	8700	100		mg/Kg	10	1/13/2010 12:44:18 PM
Motor Oil Range Organics (MRO)	ND	500		mg/Kg	10	1/13/2010 12:44:18 PM
Surr: DNOP	0	61.7-135	S	%REC	10	1/13/2010 12:44:18 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	100		mg/Kg	20	1/13/2010 1:34:15 PM
Surr: BFB	125	65.9-118	S	%REC	20	1/13/2010 1:34:15 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	1/12/2010 3:37:39 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:27:27 PM
Barium	480	1.0		mg/Kg	10	1/11/2010 3:07:52 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:27:27 PM
Chromium	5.2	1.5		mg/Kg	5	1/11/2010 1:27:27 PM
Lead	4.0	1.3		mg/Kg	5	1/11/2010 1:27:27 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:27:27 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:27:27 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM

Qualifiers:

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- 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-S-4
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:15:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 4:11:51 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 4:11:51 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 4:11:51 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 4:11:51 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 4:11:51 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 4:11:51 PM
Fluorene	1.9	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 4:11:51 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
2-Methylnaphthalene	29	2.5		mg/Kg	10	1/13/2010 2:26:25 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Naphthalene	0.59	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 4:11:51 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 4:11:51 PM
Phenanthrene	9.2	2.0		mg/Kg	10	1/13/2010 2:26:25 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-S-4
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:15:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Phenol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Pyrene	1.1	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 4:11:51 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 4:11:51 PM
Surr: 2,4,6-Tribromophenol	53.0	35.5-141		%REC	10	1/13/2010 2:26:25 PM
Surr: 2-Fluorobiphenyl	57.1	30.4-128		%REC	1	1/12/2010 4:11:51 PM
Surr: 2-Fluorophenol	77.6	28.1-129		%REC	1	1/12/2010 4:11:51 PM
Surr: 4-Terphenyl-d14	44.2	34.6-151		%REC	1	1/12/2010 4:11:51 PM
Surr: Nitrobenzene-d5	62.4	26.5-122		%REC	1	1/12/2010 4:11:51 PM
Surr: Phenol-d5	78.5	37.6-118		%REC	1	1/12/2010 4:11:51 PM
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Benzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Toluene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Ethylbenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Methyl tert-butyl ether (MTBE)	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,2,4-Trimethylbenzene	11	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,3,5-Trimethylbenzene	1.1	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,2-Dichloroethane (EDC)	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,2-Dibromoethane (EDB)	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Naphthalene	1.1	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
1-Methylnaphthalene	17	1.0		mg/Kg	5	1/12/2010 8:05:00 PM
2-Methylnaphthalene	35	2.0		mg/Kg	10	1/11/2010 4:50:35 PM
Acetone	ND	3.8		mg/Kg	5	1/12/2010 8:05:00 PM
Bromobenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Bromodichloromethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Bromoform	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Bromomethane	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
2-Butanone	ND	2.5		mg/Kg	5	1/12/2010 8:05:00 PM
Carbon disulfide	ND	2.5		mg/Kg	5	1/12/2010 8:05:00 PM
Carbon tetrachloride	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
Chlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Chloroethane	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
Chloroform	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Chloromethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
2-Chlorotoluene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
4-Chlorotoluene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
cis-1,2-DCE	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
cis-1,3-Dichloropropene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,2-Dibromo-3-chloropropane	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-S-4
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:15:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Dibromomethane	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
1,2-Dichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,3-Dichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,4-Dichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Dichlorodifluoromethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,1-Dichloroethane	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
1,1-Dichloroethene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,2-Dichloropropane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,3-Dichloropropane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
2,2-Dichloropropane	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
1,1-Dichloropropene	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
Hexachlorobutadiene	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
2-Hexanone	ND	2.5		mg/Kg	5	1/12/2010 8:05:00 PM
Isopropylbenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
4-Isopropyltoluene	0.44	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
4-Methyl-2-pentanone	ND	2.5		mg/Kg	5	1/12/2010 8:05:00 PM
Methylene chloride	ND	0.75		mg/Kg	5	1/12/2010 8:05:00 PM
n-Butylbenzene	0.72	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
n-Propylbenzene	0.43	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
sec-Butylbenzene	0.56	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Styrene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
tert-Butylbenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,1,1,2-Tetrachloroethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,1,2,2-Tetrachloroethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Tetrachloroethene (PCE)	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
trans-1,2-DCE	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
trans-1,3-Dichloropropene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,2,3-Trichlorobenzene	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
1,2,4-Trichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,1,1-Trichloroethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,1,2-Trichloroethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Trichloroethene (TCE)	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Trichlorofluoromethane	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
1,2,3-Trichloropropane	ND	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
Vinyl chloride	ND	0.25		mg/Kg	5	1/12/2010 8:05:00 PM
Xylenes, Total	1.9	0.50		mg/Kg	5	1/12/2010 8:05:00 PM
Surr: 1,2-Dichloroethane-d4	97.3	59.5-119		%REC	5	1/12/2010 8:05:00 PM
Surr: 4-Bromofluorobenzene	114	57.9-141		%REC	5	1/12/2010 8:05:00 PM
Surr: Dibromofluoromethane	112	65.4-122		%REC	5	1/12/2010 8:05:00 PM
Surr: Toluene-d8	88.2	81.1-112		%REC	5	1/12/2010 8:05:00 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-5
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:20:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-05	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	210	10		mg/Kg	1	1/12/2010 11:28:25 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/12/2010 11:28:25 AM
Surr: DNOP	108	61.7-135		%REC	1	1/12/2010 11:28:25 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	1/13/2010 2:03:00 PM
Surr: BFB	106	65.9-118		%REC	5	1/13/2010 2:03:00 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	1/12/2010 3:39:27 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:31:36 PM
Barium	130	0.50		mg/Kg	5	1/11/2010 1:31:36 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:31:36 PM
Chromium	1.7	1.5		mg/Kg	5	1/11/2010 1:31:36 PM
Lead	3.3	1.3		mg/Kg	5	1/11/2010 1:31:36 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:31:36 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:31:36 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-5
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:20:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-05	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 4:41:07 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 4:41:07 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 4:41:07 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 4:41:07 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 4:41:07 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 4:41:07 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 4:41:07 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	1/12/2010 4:41:07 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Naphthalene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 4:41:07 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 4:41:07 PM
Phenanthrene	0.21	0.20		mg/Kg	1	1/12/2010 4:41:07 PM

Qualifiers:

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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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-5
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:20:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-05	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 4:41:07 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 4:41:07 PM
Surr: 2,4,6-Tribromophenol	61.8	35.5-141		%REC	1	1/12/2010 4:41:07 PM
Surr: 2-Fluorobiphenyl	56.8	30.4-128		%REC	1	1/12/2010 4:41:07 PM
Surr: 2-Fluorophenol	54.6	28.1-129		%REC	1	1/12/2010 4:41:07 PM
Surr: 4-Terphenyl-d14	42.0	34.6-151		%REC	1	1/12/2010 4:41:07 PM
Surr: Nitrobenzene-d5	50.9	26.5-122		%REC	1	1/12/2010 4:41:07 PM
Surr: Phenol-d5	55.4	37.6-118		%REC	1	1/12/2010 4:41:07 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Toluene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,2,4-Trimethylbenzene	0.090	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,3,5-Trimethylbenzene	0.16	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Naphthalene	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
1-Methylnaphthalene	0.35	0.20		mg/Kg	1	1/12/2010 9:01:34 PM
2-Methylnaphthalene	0.34	0.20		mg/Kg	1	1/12/2010 9:01:34 PM
Acetone	ND	0.75		mg/Kg	1	1/12/2010 9:01:34 PM
Bromobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Bromoform	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Bromomethane	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
2-Butanone	ND	0.50		mg/Kg	1	1/12/2010 9:01:34 PM
Carbon disulfide	ND	0.50		mg/Kg	1	1/12/2010 9:01:34 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
Chlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Chloroethane	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
Chloroform	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Chloromethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-5
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:20:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-05	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Dibromomethane	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
2-Hexanone	ND	0.50		mg/Kg	1	1/12/2010 9:01:34 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/12/2010 9:01:34 PM
Methylene chloride	ND	0.15		mg/Kg	1	1/12/2010 9:01:34 PM
n-Butylbenzene	0.13	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Styrene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
Vinyl chloride	ND	0.050		mg/Kg	1	1/12/2010 9:01:34 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/12/2010 9:01:34 PM
Surr: 1,2-Dichloroethane-d4	97.7	59.5-119		%REC	1	1/12/2010 9:01:34 PM
Surr: 4-Bromofluorobenzene	96.4	57.9-141		%REC	1	1/12/2010 9:01:34 PM
Surr: Dibromofluoromethane	109	65.4-122		%REC	1	1/12/2010 9:01:34 PM
Surr: Toluene-d8	88.6	81.1-112		%REC	1	1/12/2010 9:01:34 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-6
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:35:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-06	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	14	10		mg/Kg	1	1/12/2010 12:04:39 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/12/2010 12:04:39 PM
Surr: DNOP	99.1	61.7-135		%REC	1	1/12/2010 12:04:39 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/13/2010 2:31:49 PM
Surr: BFB	100	65.9-118		%REC	1	1/13/2010 2:31:49 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.035	0.033		mg/Kg	1	1/12/2010 3:41:16 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:35:42 PM
Barium	450	1.0		mg/Kg	10	1/11/2010 3:16:27 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:35:42 PM
Chromium	3.4	1.5		mg/Kg	5	1/11/2010 1:35:42 PM
Lead	ND	1.3		mg/Kg	5	1/11/2010 1:35:42 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:35:42 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:35:42 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-6
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:35:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-06	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 5:10:29 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 5:10:29 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 5:10:29 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 5:10:29 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 5:10:29 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 5:10:29 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 5:10:29 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	1/12/2010 5:10:29 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Naphthalene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 5:10:29 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 5:10:29 PM
Phenanthrene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-6
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:35:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-06	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 5:10:29 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 5:10:29 PM
Surr: 2,4,6-Tribromophenol	79.5	35.5-141		%REC	1	1/12/2010 5:10:29 PM
Surr: 2-Fluorobiphenyl	66.6	30.4-128		%REC	1	1/12/2010 5:10:29 PM
Surr: 2-Fluorophenol	67.8	28.1-129		%REC	1	1/12/2010 5:10:29 PM
Surr: 4-Terphenyl-d14	43.5	34.6-151		%REC	1	1/12/2010 5:10:29 PM
Surr: Nitrobenzene-d5	58.6	26.5-122		%REC	1	1/12/2010 5:10:29 PM
Surr: Phenol-d5	62.4	37.6-118		%REC	1	1/12/2010 5:10:29 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Toluene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Naphthalene	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	1/11/2010 5:46:49 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	1/11/2010 5:46:49 PM
Acetone	ND	0.75		mg/Kg	1	1/11/2010 5:46:49 PM
Bromobenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Bromoform	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Bromomethane	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
2-Butanone	ND	0.50		mg/Kg	1	1/11/2010 5:46:49 PM
Carbon disulfide	ND	0.50		mg/Kg	1	1/11/2010 5:46:49 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
Chlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Chloroethane	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
Chloroform	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Chloromethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	API-W-6
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:35:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-06	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Dibromochloromethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Dibromomethane	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
2-Hexanone	ND	0.50		mg/Kg	1	1/11/2010 5:46:49 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/11/2010 5:46:49 PM
Methylene chloride	ND	0.15		mg/Kg	1	1/11/2010 5:46:49 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Styrene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
Vinyl chloride	ND	0.050		mg/Kg	1	1/11/2010 5:46:49 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/11/2010 5:46:49 PM
Surr: 1,2-Dichloroethane-d4	100	59.5-119		%REC	1	1/11/2010 5:46:49 PM
Surr: 4-Bromofluorobenzene	89.9	57.9-141		%REC	1	1/11/2010 5:46:49 PM
Surr: Dibromofluoromethane	109	65.4-122		%REC	1	1/11/2010 5:46:49 PM
Surr: Toluene-d8	92.6	81.1-112		%REC	1	1/11/2010 5:46:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-E-7
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:50:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-07	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	31	10		mg/Kg	1	1/13/2010 6:05:11 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/13/2010 6:05:11 AM
Surr: DNOP	101	61.7-135		%REC	1	1/13/2010 6:05:11 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	26	5.0		mg/Kg	1	1/13/2010 3:00:37 PM
Surr: BFB	174	65.9-118	S	%REC	1	1/13/2010 3:00:37 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.071	0.033		mg/Kg	1	1/12/2010 3:46:46 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:39:54 PM
Barium	500	2.0		mg/Kg	20	1/11/2010 3:43:35 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:39:54 PM
Chromium	8.7	1.5		mg/Kg	5	1/11/2010 1:39:54 PM
Lead	5.6	1.3		mg/Kg	5	1/11/2010 1:39:54 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:39:54 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:39:54 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-E-7
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:50:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-07	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 5:39:41 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 5:39:41 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 5:39:41 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 5:39:41 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 5:39:41 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 5:39:41 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 5:39:41 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	1/12/2010 5:39:41 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Naphthalene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 5:39:41 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 5:39:41 PM
Phenanthrene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-E-7
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:50:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-07	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 5:39:41 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 5:39:41 PM
Surr: 2,4,6-Tribromophenol	81.2	35.5-141		%REC	1	1/12/2010 5:39:41 PM
Surr: 2-Fluorobiphenyl	64.7	30.4-128		%REC	1	1/12/2010 5:39:41 PM
Surr: 2-Fluorophenol	72.9	28.1-129		%REC	1	1/12/2010 5:39:41 PM
Surr: 4-Terphenyl-d14	47.4	34.6-151		%REC	1	1/12/2010 5:39:41 PM
Surr: Nitrobenzene-d5	72.1	26.5-122		%REC	1	1/12/2010 5:39:41 PM
Surr: Phenol-d5	77.8	37.6-118		%REC	1	1/12/2010 5:39:41 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	0.15	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Toluene	0.82	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Ethylbenzene	0.28	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,2,4-Trimethylbenzene	0.80	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,3,5-Trimethylbenzene	0.31	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Naphthalene	0.24	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
1-Methylnaphthalene	0.38	0.20		mg/Kg	1	1/12/2010 9:57:39 PM
2-Methylnaphthalene	0.71	0.20		mg/Kg	1	1/12/2010 9:57:39 PM
Acetone	ND	0.75		mg/Kg	1	1/12/2010 9:57:39 PM
Bromobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Bromoform	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Bromomethane	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
2-Butanone	ND	0.50		mg/Kg	1	1/12/2010 9:57:39 PM
Carbon disulfide	ND	0.50		mg/Kg	1	1/12/2010 9:57:39 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
Chlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Chloroethane	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
Chloroform	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Chloromethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-E-7
Lab Order:	1001093	**Collection Date:**	1/6/2010 11:50:00 AM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-07	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Dibromomethane	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
2-Hexanone	ND	0.50		mg/Kg	1	1/12/2010 9:57:39 PM
Isopropylbenzene	0.082	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/12/2010 9:57:39 PM
Methylene chloride	ND	0.15		mg/Kg	1	1/12/2010 9:57:39 PM
n-Butylbenzene	0.13	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
n-Propylbenzene	0.12	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Styrene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
Vinyl chloride	ND	0.050		mg/Kg	1	1/12/2010 9:57:39 PM
Xylenes, Total	2.0	0.10		mg/Kg	1	1/12/2010 9:57:39 PM
Surr: 1,2-Dichloroethane-d4	98.2	59.5-119		%REC	1	1/12/2010 9:57:39 PM
Surr: 4-Bromofluorobenzene	103	57.9-141		%REC	1	1/12/2010 9:57:39 PM
Surr: Dibromofluoromethane	110	65.4-122		%REC	1	1/12/2010 9:57:39 PM
Surr: Toluene-d8	88.7	81.1-112		%REC	1	1/12/2010 9:57:39 PM

Qualifiers:

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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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-S-8
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:05:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-08	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	1100	100		mg/Kg	10	1/13/2010 6:41:16 AM
Motor Oil Range Organics (MRO)	ND	500		mg/Kg	10	1/13/2010 6:41:16 AM
Surr: DNOP	95.7	61.7-135		%REC	10	1/13/2010 6:41:16 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	390	50		mg/Kg	10	1/13/2010 3:29:27 PM
Surr: BFB	185	65.9-118	S	%REC	10	1/13/2010 3:29:27 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	1/12/2010 3:48:35 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:44:01 PM
Barium	360	1.0		mg/Kg	10	1/11/2010 3:20:31 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:44:01 PM
Chromium	7.6	1.5		mg/Kg	5	1/11/2010 1:44:01 PM
Lead	5.8	1.3		mg/Kg	5	1/11/2010 1:44:01 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:44:01 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:44:01 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-S-8
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:05:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-08	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 6:09:04 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 6:09:04 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 6:09:04 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 6:09:04 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 6:09:04 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 6:09:04 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 6:09:04 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
2-Methylnaphthalene	8.7	1.3		mg/Kg	5	1/13/2010 2:55:36 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Naphthalene	2.5	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 6:09:04 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 6:09:04 PM
Phenanthrene	2.0	0.20		mg/Kg	1	1/12/2010 6:09:04 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-S-8
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:05:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-08	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Pyrene	0.23	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 6:09:04 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 6:09:04 PM
Surr: 2,4,6-Tribromophenol	57.4	35.5-141		%REC	5	1/13/2010 2:55:36 PM
Surr: 2-Fluorobiphenyl	62.7	30.4-128		%REC	1	1/12/2010 6:09:04 PM
Surr: 2-Fluorophenol	47.6	28.1-129		%REC	1	1/12/2010 6:09:04 PM
Surr: 4-Terphenyl-d14	53.6	34.6-151		%REC	1	1/12/2010 6:09:04 PM
Surr: Nitrobenzene-d5	48.3	26.5-122		%REC	1	1/12/2010 6:09:04 PM
Surr: Phenol-d5	58.1	37.6-118		%REC	1	1/12/2010 6:09:04 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	0.91	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Toluene	14	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Ethylbenzene	5.1	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Methyl tert-butyl ether (MTBE)	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,2,4-Trimethylbenzene	22	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,3,5-Trimethylbenzene	7.9	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,2-Dichloroethane (EDC)	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,2-Dibromoethane (EDB)	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Naphthalene	10	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
1-Methylnaphthalene	17	1.0		mg/Kg	5	1/12/2010 10:54:12 PM
2-Methylnaphthalene	34	10		mg/Kg	50	1/11/2010 9:31:51 PM
Acetone	ND	3.8		mg/Kg	5	1/12/2010 10:54:12 PM
Bromobenzene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Bromodichloromethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Bromoform	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Bromomethane	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
2-Butanone	ND	2.5		mg/Kg	5	1/12/2010 10:54:12 PM
Carbon disulfide	ND	2.5		mg/Kg	5	1/12/2010 10:54:12 PM
Carbon tetrachloride	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
Chlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Chloroethane	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
Chloroform	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Chloromethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
2-Chlorotoluene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
4-Chlorotoluene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
cis-1,2-DCE	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
cis-1,3-Dichloropropene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,2-Dibromo-3-chloropropane	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-S-8
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:05:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-08	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Dibromomethane	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
1,2-Dichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,3-Dichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,4-Dichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Dichlorodifluoromethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,1-Dichloroethane	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
1,1-Dichloroethene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,2-Dichloropropane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,3-Dichloropropane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
2,2-Dichloropropane	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
1,1-Dichloropropene	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
Hexachlorobutadiene	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
2-Hexanone	ND	2.5		mg/Kg	5	1/12/2010 10:54:12 PM
Isopropylbenzene	1.4	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
4-Isopropyltoluene	0.88	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
4-Methyl-2-pentanone	ND	2.5		mg/Kg	5	1/12/2010 10:54:12 PM
Methylene chloride	ND	0.75		mg/Kg	5	1/12/2010 10:54:12 PM
n-Butylbenzene	3.5	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
n-Propylbenzene	3.0	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
sec-Butylbenzene	1.2	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Styrene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
tert-Butylbenzene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,1,1,2-Tetrachloroethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,1,2,2-Tetrachloroethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Tetrachloroethene (PCE)	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
trans-1,2-DCE	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
trans-1,3-Dichloropropene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,2,3-Trichlorobenzene	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
1,2,4-Trichlorobenzene	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,1,1-Trichloroethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,1,2-Trichloroethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Trichloroethene (TCE)	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Trichlorofluoromethane	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
1,2,3-Trichloropropane	ND	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
Vinyl chloride	ND	0.25		mg/Kg	5	1/12/2010 10:54:12 PM
Xylenes, Total	36	0.50		mg/Kg	5	1/12/2010 10:54:12 PM
Surr: 1,2-Dichloroethane-d4	102	59.5-119		%REC	5	1/12/2010 10:54:12 PM
Surr: 4-Bromofluorobenzene	135	57.9-141		%REC	5	1/12/2010 10:54:12 PM
Surr: Dibromofluoromethane	112	65.4-122		%REC	5	1/12/2010 10:54:12 PM
Surr: Toluene-d8	90.0	81.1-112		%REC	5	1/12/2010 10:54:12 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-W-9
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-09	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	560	10		mg/Kg	1	1/13/2010 7:17:15 AM
Motor Oil Range Organics (MRO)	56	50		mg/Kg	1	1/13/2010 7:17:15 AM
Surr: DNOP	97.5	61.7-135		%REC	1	1/13/2010 7:17:15 AM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	2300	250		mg/Kg	50	1/13/2010 3:58:13 PM
Surr: BFB	156	65.9-118	S	%REC	50	1/13/2010 3:58:13 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	1/12/2010 3:50:25 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 1:55:06 PM
Barium	640	2.0		mg/Kg	20	1/11/2010 3:22:34 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 1:55:06 PM
Chromium	9.0	1.5		mg/Kg	5	1/11/2010 1:55:06 PM
Lead	6.8	1.3		mg/Kg	5	1/11/2010 1:55:06 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 1:55:06 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 1:55:06 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-W-9
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-09	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 6:37:59 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 6:37:59 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 6:37:59 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 6:37:59 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 6:37:59 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 6:37:59 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 6:37:59 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
2-Methylnaphthalene	3.5	0.25		mg/Kg	1	1/12/2010 6:37:59 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Naphthalene	1.5	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 6:37:59 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 6:37:59 PM
Phenanthrene	0.60	0.20		mg/Kg	1	1/12/2010 6:37:59 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-W-9
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-09	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	0.36	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 6:37:59 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 6:37:59 PM
Surr: 2,4,6-Tribromophenol	68.5	35.5-141		%REC	1	1/12/2010 6:37:59 PM
Surr: 2-Fluorobiphenyl	77.8	30.4-128		%REC	1	1/12/2010 6:37:59 PM
Surr: 2-Fluorophenol	54.5	28.1-129		%REC	1	1/12/2010 6:37:59 PM
Surr: 4-Terphenyl-d14	58.4	34.6-151		%REC	1	1/12/2010 6:37:59 PM
Surr: Nitrobenzene-d5	70.3	26.5-122		%REC	1	1/12/2010 6:37:59 PM
Surr: Phenol-d5	73.9	37.6-118		%REC	1	1/12/2010 6:37:59 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	6.9	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Toluene	110	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Ethylbenzene	28	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Methyl tert-butyl ether (MTBE)	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,2,4-Trimethylbenzene	53	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,3,5-Trimethylbenzene	20	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,2-Dichloroethane (EDC)	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,2-Dibromoethane (EDB)	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Naphthalene	13	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
1-Methylnaphthalene	14	10		mg/Kg	50	1/11/2010 9:59:49 PM
2-Methylnaphthalene	27	10		mg/Kg	50	1/11/2010 9:59:49 PM
Acetone	ND	38		mg/Kg	50	1/11/2010 9:59:49 PM
Bromobenzene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Bromodichloromethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Bromoform	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Bromomethane	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
2-Butanone	ND	25		mg/Kg	50	1/11/2010 9:59:49 PM
Carbon disulfide	ND	25		mg/Kg	50	1/11/2010 9:59:49 PM
Carbon tetrachloride	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
Chlorobenzene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Chloroethane	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
Chloroform	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Chloromethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
2-Chlorotoluene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
4-Chlorotoluene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
cis-1,2-DCE	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
cis-1,3-Dichloropropene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,2-Dibromo-3-chloropropane	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	BKT-W-9
Lab Order:	1001093	**Collection Date:**	1/6/2010 12:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-09	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Dibromomethane	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
1,2-Dichlorobenzene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,3-Dichlorobenzene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,4-Dichlorobenzene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Dichlorodifluoromethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,1-Dichloroethane	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
1,1-Dichloroethene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,2-Dichloropropane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,3-Dichloropropane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
2,2-Dichloropropane	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
1,1-Dichloropropene	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
Hexachlorobutadiene	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
2-Hexanone	ND	25		mg/Kg	50	1/11/2010 9:59:49 PM
Isopropylbenzene	5.4	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
4-Isopropyltoluene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
4-Methyl-2-pentanone	ND	25		mg/Kg	50	1/11/2010 9:59:49 PM
Methylene chloride	ND	7.5		mg/Kg	50	1/11/2010 9:59:49 PM
n-Butylbenzene	6.2	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
n-Propylbenzene	10	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
sec-Butylbenzene	2.6	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Styrene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
tert-Butylbenzene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,1,1,2-Tetrachloroethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,1,2,2-Tetrachloroethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Tetrachloroethene (PCE)	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
trans-1,2-DCE	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
trans-1,3-Dichloropropene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,2,3-Trichlorobenzene	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
1,2,4-Trichlorobenzene	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,1,1-Trichloroethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,1,2-Trichloroethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Trichloroethene (TCE)	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Trichlorofluoromethane	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
1,2,3-Trichloropropane	ND	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
Vinyl chloride	ND	2.5		mg/Kg	50	1/11/2010 9:59:49 PM
Xylenes, Total	180	5.0		mg/Kg	50	1/11/2010 9:59:49 PM
Surr: 1,2-Dichloroethane-d4	102	59.5-119		%REC	50	1/11/2010 9:59:49 PM
Surr: 4-Bromofluorobenzene	100	57.9-141		%REC	50	1/11/2010 9:59:49 PM
Surr: Dibromofluoromethane	111	65.4-122		%REC	50	1/11/2010 9:59:49 PM
Surr: Toluene-d8	95.4	81.1-112		%REC	50	1/11/2010 9:59:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-10
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:30:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-10	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	88	10		mg/Kg	1	1/13/2010 1:21:02 PM
Motor Oil Range Organics (MRO)	72	50		mg/Kg	1	1/13/2010 1:21:02 PM
Surr: DNOP	116	61.7-135		%REC	1	1/13/2010 1:21:02 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	10		mg/Kg	2	1/13/2010 4:27:05 PM
Surr: BFB	106	65.9-118		%REC	2	1/13/2010 4:27:05 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	1/12/2010 3:52:16 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 2:03:30 PM
Barium	350	1.0		mg/Kg	10	1/11/2010 3:24:37 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 2:03:30 PM
Chromium	9.1	1.5		mg/Kg	5	1/11/2010 2:03:30 PM
Lead	7.2	1.3		mg/Kg	5	1/11/2010 2:03:30 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 2:03:30 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 2:03:30 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Acenaphthylene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Aniline	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Anthracene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Azobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Benz(a)anthracene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Benzo(a)pyrene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Benzo(b)fluoranthene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Benzo(g,h,i)perylene	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
Benzo(k)fluoranthene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Benzoic acid	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
Benzyl alcohol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Bis(2-chloroethoxy)methane	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Bis(2-chloroethyl)ether	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Bis(2-chloroisopropyl)ether	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
4-Bromophenyl phenyl ether	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Butyl benzyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Carbazole	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
4-Chloro-3-methylphenol	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
4-Chloroaniline	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-10
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:30:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-10	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2-Chloronaphthalene	ND	0.50		mg/Kg	1	1/12/2010 7:06:49 PM
2-Chlorophenol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
4-Chlorophenyl phenyl ether	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Chrysene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Di-n-butyl phthalate	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
Di-n-octyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Dibenz(a,h)anthracene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Dibenzofuran	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
1,2-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
1,3-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
1,4-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
3,3'-Dichlorobenzidine	ND	0.50		mg/Kg	1	1/12/2010 7:06:49 PM
Diethyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Dimethyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
2,4-Dichlorophenol	ND	0.80		mg/Kg	1	1/12/2010 7:06:49 PM
2,4-Dimethylphenol	ND	0.60		mg/Kg	1	1/12/2010 7:06:49 PM
4,6-Dinitro-2-methylphenol	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
2,4-Dinitrophenol	ND	0.80		mg/Kg	1	1/12/2010 7:06:49 PM
2,4-Dinitrotoluene	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
2,6-Dinitrotoluene	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
Fluoranthene	ND	0.50		mg/Kg	1	1/12/2010 7:06:49 PM
Fluorene	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
Hexachlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Hexachlorobutadiene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Hexachlorocyclopentadiene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Hexachloroethane	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Indeno(1,2,3-cd)pyrene	ND	0.50		mg/Kg	1	1/12/2010 7:06:49 PM
Isophorone	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
2-Methylnaphthalene	ND	0.50		mg/Kg	1	1/12/2010 7:06:49 PM
2-Methylphenol	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
3+4-Methylphenol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
N-Nitrosodi-n-propylamine	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
N-Nitrosodiphenylamine	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Naphthalene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
2-Nitroaniline	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
3-Nitroaniline	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
4-Nitroaniline	ND	0.50		mg/Kg	1	1/12/2010 7:06:49 PM
Nitrobenzene	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
2-Nitrophenol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
4-Nitrophenol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Pentachlorophenol	ND	0.80		mg/Kg	1	1/12/2010 7:06:49 PM
Phenanthrene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-10
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:30:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-10	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Pyrene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Pyridine	ND	1.0		mg/Kg	1	1/12/2010 7:06:49 PM
1,2,4-Trichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
2,4,5-Trichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
2,4,6-Trichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 7:06:49 PM
Surr: 2,4,6-Tribromophenol	44.9	35.5-141		%REC	1	1/12/2010 7:06:49 PM
Surr: 2-Fluorobiphenyl	36.5	30.4-128		%REC	1	1/12/2010 7:06:49 PM
Surr: 2-Fluorophenol	32.9	28.1-129		%REC	1	1/12/2010 7:06:49 PM
Surr: 4-Terphenyl-d14	28.8	34.6-151	S	%REC	1	1/12/2010 7:06:49 PM
Surr: Nitrobenzene-d5	39.4	26.5-122		%REC	1	1/12/2010 7:06:49 PM
Surr: Phenol-d5	39.5	37.6-118		%REC	1	1/12/2010 7:06:49 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Toluene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Naphthalene	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	1/11/2010 10:28:04 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	1/11/2010 10:28:04 PM
Acetone	ND	0.75		mg/Kg	1	1/11/2010 10:28:04 PM
Bromobenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Bromoform	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Bromomethane	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
2-Butanone	ND	0.50		mg/Kg	1	1/11/2010 10:28:04 PM
Carbon disulfide	ND	0.50		mg/Kg	1	1/11/2010 10:28:04 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
Chlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Chloroethane	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
Chloroform	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Chloromethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-10
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:30:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-10	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Dibromomethane	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
2-Hexanone	ND	0.50		mg/Kg	1	1/11/2010 10:28:04 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/11/2010 10:28:04 PM
Methylene chloride	ND	0.15		mg/Kg	1	1/11/2010 10:28:04 PM
n-Butylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Styrene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
Vinyl chloride	ND	0.050		mg/Kg	1	1/11/2010 10:28:04 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/11/2010 10:28:04 PM
Surr: 1,2-Dichloroethane-d4	94.3	59.5-119		%REC	1	1/11/2010 10:28:04 PM
Surr: 4-Bromofluorobenzene	94.0	57.9-141		%REC	1	1/11/2010 10:28:04 PM
Surr: Dibromofluoromethane	109	65.4-122		%REC	1	1/11/2010 10:28:04 PM
Surr: Toluene-d8	90.3	81.1-112		%REC	1	1/11/2010 10:28:04 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-11
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-11	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	120	10		mg/Kg	1	1/13/2010 1:58:03 PM
Motor Oil Range Organics (MRO)	100	50		mg/Kg	1	1/13/2010 1:58:03 PM
Surr: DNOP	121	61.7-135		%REC	1	1/13/2010 1:58:03 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	10		mg/Kg	2	1/13/2010 4:55:53 PM
Surr: BFB	104	65.9-118		%REC	2	1/13/2010 4:55:53 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.077	0.033		mg/Kg	1	1/12/2010 3:54:06 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 2:36:22 PM
Barium	380	1.0		mg/Kg	10	1/11/2010 3:26:43 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 2:36:22 PM
Chromium	11	1.5		mg/Kg	5	1/11/2010 2:36:22 PM
Lead	5.8	1.3		mg/Kg	5	1/11/2010 2:36:22 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 2:36:22 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 2:36:22 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Acenaphthylene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Aniline	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Anthracene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Azobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Benz(a)anthracene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Benzo(a)pyrene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Benzo(b)fluoranthene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Benzo(g,h,i)perylene	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
Benzo(k)fluoranthene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Benzoic acid	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
Benzyl alcohol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Bis(2-chloroethoxy)methane	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Bis(2-chloroethyl)ether	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Bis(2-chloroisopropyl)ether	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Bis(2-ethylhexyl)phthalate	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
4-Bromophenyl phenyl ether	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Butyl benzyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Carbazole	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
4-Chloro-3-methylphenol	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
4-Chloroaniline	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-11
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-11	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2-Chloronaphthalene	ND	0.50		mg/Kg	1	1/12/2010 7:35:40 PM
2-Chlorophenol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
4-Chlorophenyl phenyl ether	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Chrysene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Di-n-butyl phthalate	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
Di-n-octyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Dibenz(a,h)anthracene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Dibenzofuran	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
1,2-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
1,3-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
1,4-Dichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
3,3'-Dichlorobenzidine	ND	0.50		mg/Kg	1	1/12/2010 7:35:40 PM
Diethyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Dimethyl phthalate	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
2,4-Dichlorophenol	ND	0.80		mg/Kg	1	1/12/2010 7:35:40 PM
2,4-Dimethylphenol	ND	0.60		mg/Kg	1	1/12/2010 7:35:40 PM
4,6-Dinitro-2-methylphenol	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
2,4-Dinitrophenol	ND	0.80		mg/Kg	1	1/12/2010 7:35:40 PM
2,4-Dinitrotoluene	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
2,6-Dinitrotoluene	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
Fluoranthene	ND	0.50		mg/Kg	1	1/12/2010 7:35:40 PM
Fluorene	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
Hexachlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Hexachlorobutadiene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Hexachlorocyclopentadiene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Hexachloroethane	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Indeno(1,2,3-cd)pyrene	ND	0.50		mg/Kg	1	1/12/2010 7:35:40 PM
Isophorone	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
2-Methylnaphthalene	ND	0.50		mg/Kg	1	1/12/2010 7:35:40 PM
2-Methylphenol	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
3+4-Methylphenol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
N-Nitrosodi-n-propylamine	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
N-Nitrosodiphenylamine	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Naphthalene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
2-Nitroaniline	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
3-Nitroaniline	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
4-Nitroaniline	ND	0.50		mg/Kg	1	1/12/2010 7:35:40 PM
Nitrobenzene	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
2-Nitrophenol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
4-Nitrophenol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Pentachlorophenol	ND	0.80		mg/Kg	1	1/12/2010 7:35:40 PM
Phenanthrene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-11
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-11	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Pyrene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Pyridine	ND	1.0		mg/Kg	1	1/12/2010 7:35:40 PM
1,2,4-Trichlorobenzene	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
2,4,5-Trichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
2,4,6-Trichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 7:35:40 PM
Surr: 2,4,6-Tribromophenol	53.9	35.5-141		%REC	1	1/12/2010 7:35:40 PM
Surr: 2-Fluorobiphenyl	45.7	30.4-128		%REC	1	1/12/2010 7:35:40 PM
Surr: 2-Fluorophenol	49.1	28.1-129		%REC	1	1/12/2010 7:35:40 PM
Surr: 4-Terphenyl-d14	42.9	34.6-151		%REC	1	1/12/2010 7:35:40 PM
Surr: Nitrobenzene-d5	45.1	26.5-122		%REC	1	1/12/2010 7:35:40 PM
Surr: Phenol-d5	50.9	37.6-118		%REC	1	1/12/2010 7:35:40 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Toluene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,2,4-Trimethylbenzene	0.13	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,3,5-Trimethylbenzene	0.059	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Naphthalene	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	1/14/2010 4:24:05 AM
2-Methylnaphthalene	0.23	0.20		mg/Kg	1	1/14/2010 4:24:05 AM
Acetone	ND	0.75		mg/Kg	1	1/14/2010 4:24:05 AM
Bromobenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Bromoform	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Bromomethane	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
2-Butanone	ND	0.50		mg/Kg	1	1/14/2010 4:24:05 AM
Carbon disulfide	ND	0.50		mg/Kg	1	1/14/2010 4:24:05 AM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
Chlorobenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Chloroethane	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
Chloroform	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Chloromethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	CHN-C-11
Lab Order:	1001093	**Collection Date:**	1/6/2010 1:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-11	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Dibromomethane	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
2-Hexanone	ND	0.50		mg/Kg	1	1/14/2010 4:24:05 AM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/14/2010 4:24:05 AM
Methylene chloride	ND	0.15		mg/Kg	1	1/14/2010 4:24:05 AM
n-Butylbenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Styrene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
Vinyl chloride	ND	0.050		mg/Kg	1	1/14/2010 4:24:05 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/14/2010 4:24:05 AM
Surr: 1,2-Dichloroethane-d4	98.2	59.5-119		%REC	1	1/14/2010 4:24:05 AM
Surr: 4-Bromofluorobenzene	94.9	57.9-141		%REC	1	1/14/2010 4:24:05 AM
Surr: Dibromofluoromethane	108	65.4-122		%REC	1	1/14/2010 4:24:05 AM
Surr: Toluene-d8	91.7	81.1-112		%REC	1	1/14/2010 4:24:05 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-W-12
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:00:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-12	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	32	10		mg/Kg	1	1/13/2010 2:34:48 PM
Motor Oil Range Organics (MRO)	78	50		mg/Kg	1	1/13/2010 2:34:48 PM
Surr: DNOP	118	61.7-135		%REC	1	1/13/2010 2:34:48 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/13/2010 5:24:36 PM
Surr: BFB	101	65.9-118		%REC	1	1/13/2010 5:24:36 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.068	0.033		mg/Kg	1	1/12/2010 3:55:57 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 2:40:38 PM
Barium	350	1.0		mg/Kg	10	1/11/2010 3:28:46 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 2:40:38 PM
Chromium	9.1	1.5		mg/Kg	5	1/11/2010 2:40:38 PM
Lead	7.7	1.3		mg/Kg	5	1/11/2010 2:40:38 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 2:40:38 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 2:40:38 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-W-12
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:00:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-12	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 8:04:24 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 8:04:24 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 8:04:24 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 8:04:24 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 8:04:24 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 8:04:24 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 8:04:24 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	1/12/2010 8:04:24 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Naphthalene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 8:04:24 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 8:04:24 PM
Phenanthrene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-W-12
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:00:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-12	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Phenol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 8:04:24 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 8:04:24 PM
Surr: 2,4,6-Tribromophenol	99.8	35.5-141		%REC	1	1/12/2010 8:04:24 PM
Surr: 2-Fluorobiphenyl	71.5	30.4-128		%REC	1	1/12/2010 8:04:24 PM
Surr: 2-Fluorophenol	59.3	28.1-129		%REC	1	1/12/2010 8:04:24 PM
Surr: 4-Terphenyl-d14	44.7	34.6-151		%REC	1	1/12/2010 8:04:24 PM
Surr: Nitrobenzene-d5	77.1	26.5-122		%REC	1	1/12/2010 8:04:24 PM
Surr: Phenol-d5	76.2	37.6-118		%REC	1	1/12/2010 8:04:24 PM
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Benzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Toluene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Naphthalene	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	1/13/2010 12:18:36 AM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	1/13/2010 12:18:36 AM
Acetone	ND	0.75		mg/Kg	1	1/13/2010 12:18:36 AM
Bromobenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Bromoform	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Bromomethane	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
2-Butanone	ND	0.50		mg/Kg	1	1/13/2010 12:18:36 AM
Carbon disulfide	ND	0.50		mg/Kg	1	1/13/2010 12:18:36 AM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
Chlorobenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Chloroethane	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
Chloroform	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Chloromethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 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		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-W-12
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:00:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-12	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Dibromomethane	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
2-Hexanone	ND	0.50		mg/Kg	1	1/13/2010 12:18:36 AM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/13/2010 12:18:36 AM
Methylene chloride	ND	0.15		mg/Kg	1	1/13/2010 12:18:36 AM
n-Butylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Styrene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
Vinyl chloride	ND	0.050		mg/Kg	1	1/13/2010 12:18:36 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/13/2010 12:18:36 AM
Surr: 1,2-Dichloroethane-d4	97.5	59.5-119		%REC	1	1/13/2010 12:18:36 AM
Surr: 4-Bromofluorobenzene	89.4	57.9-141		%REC	1	1/13/2010 12:18:36 AM
Surr: Dibromofluoromethane	109	65.4-122		%REC	1	1/13/2010 12:18:36 AM
Surr: Toluene-d8	94.9	81.1-112		%REC	1	1/13/2010 12:18:36 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		

Hall Environmental Analysis Laboratory, Inc.

Date: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-N-13
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-13	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015B: DIESEL RANGE ORGANICS						Analyst: **SCC**
Diesel Range Organics (DRO)	390	10		mg/Kg	1	1/13/2010 3:11:19 PM
Motor Oil Range Organics (MRO)	120	50		mg/Kg	1	1/13/2010 3:11:19 PM
Surr: DNOP	105	61.7-135		%REC	1	1/13/2010 3:11:19 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	210	50		mg/Kg	10	1/13/2010 5:53:18 PM
Surr: BFB	172	65.9-118	S	%REC	10	1/13/2010 5:53:18 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	0.067	0.033		mg/Kg	1	1/12/2010 3:57:40 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 2:51:26 PM
Barium	350	1.0		mg/Kg	10	1/11/2010 3:30:49 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 2:51:26 PM
Chromium	7.3	1.5		mg/Kg	5	1/11/2010 2:51:26 PM
Lead	6.5	1.3		mg/Kg	5	1/11/2010 2:51:26 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 2:51:26 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 2:51:26 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-N-13
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-13	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 8:33:01 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 8:33:01 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 8:33:01 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 8:33:01 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 8:33:01 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 8:33:01 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 8:33:01 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
2-Methylnaphthalene	0.89	0.25		mg/Kg	1	1/12/2010 8:33:01 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Naphthalene	0.24	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 8:33:01 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 8:33:01 PM
Phenanthrene	0.65	0.20		mg/Kg	1	1/12/2010 8:33:01 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-N-13
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-13	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Phenol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 8:33:01 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 8:33:01 PM
Surr: 2,4,6-Tribromophenol	52.8	35.5-141		%REC	1	1/12/2010 8:33:01 PM
Surr: 2-Fluorobiphenyl	51.8	30.4-128		%REC	1	1/12/2010 8:33:01 PM
Surr: 2-Fluorophenol	42.1	28.1-129		%REC	1	1/12/2010 8:33:01 PM
Surr: 4-Terphenyl-d14	36.9	34.6-151		%REC	1	1/12/2010 8:33:01 PM
Surr: Nitrobenzene-d5	63.8	26.5-122		%REC	1	1/12/2010 8:33:01 PM
Surr: Phenol-d5	60.2	37.6-118		%REC	1	1/12/2010 8:33:01 PM
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Benzene	0.25	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Toluene	5.8	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Ethylbenzene	2.6	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Methyl tert-butyl ether (MTBE)	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,2,4-Trimethylbenzene	7.5	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,3,5-Trimethylbenzene	3.4	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,2-Dichloroethane (EDC)	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,2-Dibromoethane (EDB)	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Naphthalene	0.81	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
1-Methylnaphthalene	2.4	1.0		mg/Kg	5	1/13/2010 12:46:49 AM
2-Methylnaphthalene	3.0	1.0		mg/Kg	5	1/13/2010 12:46:49 AM
Acetone	ND	3.8		mg/Kg	5	1/13/2010 12:46:49 AM
Bromobenzene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Bromodichloromethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Bromoform	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Bromomethane	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
2-Butanone	ND	2.5		mg/Kg	5	1/13/2010 12:46:49 AM
Carbon disulfide	ND	2.5		mg/Kg	5	1/13/2010 12:46:49 AM
Carbon tetrachloride	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
Chlorobenzene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Chloroethane	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
Chloroform	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Chloromethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
2-Chlorotoluene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
4-Chlorotoluene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
cis-1,2-DCE	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
cis-1,3-Dichloropropene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,2-Dibromo-3-chloropropane	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-N-13
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:20:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-13	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **DAM**
Dibromochloromethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Dibromomethane	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
1,2-Dichlorobenzene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,3-Dichlorobenzene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,4-Dichlorobenzene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Dichlorodifluoromethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,1-Dichloroethane	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
1,1-Dichloroethene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,2-Dichloropropane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,3-Dichloropropane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
2,2-Dichloropropane	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
1,1-Dichloropropene	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
Hexachlorobutadiene	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
2-Hexanone	ND	2.5		mg/Kg	5	1/13/2010 12:46:49 AM
Isopropylbenzene	0.69	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
4-Isopropyltoluene	0.32	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
4-Methyl-2-pentanone	ND	2.5		mg/Kg	5	1/13/2010 12:46:49 AM
Methylene chloride	ND	0.75		mg/Kg	5	1/13/2010 12:46:49 AM
n-Butylbenzene	1.0	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
n-Propylbenzene	1.3	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
sec-Butylbenzene	0.44	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Styrene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
tert-Butylbenzene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,1,1,2-Tetrachloroethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,1,2,2-Tetrachloroethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Tetrachloroethene (PCE)	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
trans-1,2-DCE	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
trans-1,3-Dichloropropene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,2,3-Trichlorobenzene	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
1,2,4-Trichlorobenzene	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,1,1-Trichloroethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,1,2-Trichloroethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Trichloroethene (TCE)	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Trichlorofluoromethane	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
1,2,3-Trichloropropane	ND	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
Vinyl chloride	ND	0.25		mg/Kg	5	1/13/2010 12:46:49 AM
Xylenes, Total	19	0.50		mg/Kg	5	1/13/2010 12:46:49 AM
Surr: 1,2-Dichloroethane-d4	103	59.5-119		%REC	5	1/13/2010 12:46:49 AM
Surr: 4-Bromofluorobenzene	113	57.9-141		%REC	5	1/13/2010 12:46:49 AM
Surr: Dibromofluoromethane	113	65.4-122		%REC	5	1/13/2010 12:46:49 AM
Surr: Toluene-d8	87.5	81.1-112		%REC	5	1/13/2010 12:46:49 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-E-14
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-14	**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	1/12/2010 3:06:05 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/12/2010 3:06:05 PM
Surr: DNOP	99.4	61.7-135		%REC	1	1/12/2010 3:06:05 PM
EPA METHOD 8015B: GASOLINE RANGE						Analyst: **NSB**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/13/2010 6:22:08 PM
Surr: BFB	106	65.9-118		%REC	1	1/13/2010 6:22:08 PM
EPA METHOD 7471: MERCURY						Analyst: **SNV**
Mercury	ND	0.033		mg/Kg	1	1/12/2010 3:59:24 PM
EPA METHOD 6010B: SOIL METALS						Analyst: **SNV**
Arsenic	ND	13		mg/Kg	5	1/11/2010 2:55:36 PM
Barium	310	1.0		mg/Kg	10	1/11/2010 3:32:53 PM
Cadmium	ND	0.50		mg/Kg	5	1/11/2010 2:55:36 PM
Chromium	5.0	1.5		mg/Kg	5	1/11/2010 2:55:36 PM
Lead	6.2	1.3		mg/Kg	5	1/11/2010 2:55:36 PM
Selenium	ND	13		mg/Kg	5	1/11/2010 2:55:36 PM
Silver	ND	1.3		mg/Kg	5	1/11/2010 2:55:36 PM
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **LBJ**
Acenaphthene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Acenaphthylene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Aniline	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Anthracene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Azobenzene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Benzo(g,h,i)perylene	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Benzoic acid	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Carbazole	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-E-14
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-14	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
2-Chloronaphthalene	ND	0.25		mg/Kg	1	1/12/2010 9:01:37 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Chrysene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
Di-n-octyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Dibenzofuran	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	1/12/2010 9:01:37 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	1/12/2010 9:01:37 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	1/12/2010 9:01:37 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	1/12/2010 9:01:37 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
Fluoranthene	ND	0.25		mg/Kg	1	1/12/2010 9:01:37 PM
Fluorene	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Hexachloroethane	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Indeno(1,2,3-cd)pyrene	ND	0.25		mg/Kg	1	1/12/2010 9:01:37 PM
Isophorone	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
2-Methylnaphthalene	ND	0.25		mg/Kg	1	1/12/2010 9:01:37 PM
2-Methylphenol	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Naphthalene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
4-Nitroaniline	ND	0.25		mg/Kg	1	1/12/2010 9:01:37 PM
Nitrobenzene	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	1/12/2010 9:01:37 PM
Phenanthrene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-E-14
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-14	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: LBJ
Phenol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Pyrene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Pyridine	ND	0.50		mg/Kg	1	1/12/2010 9:01:37 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	1/12/2010 9:01:37 PM
Surr: 2,4,6-Tribromophenol	89.6	35.5-141		%REC	1	1/12/2010 9:01:37 PM
Surr: 2-Fluorobiphenyl	71.4	30.4-128		%REC	1	1/12/2010 9:01:37 PM
Surr: 2-Fluorophenol	60.4	28.1-129		%REC	1	1/12/2010 9:01:37 PM
Surr: 4-Terphenyl-d14	65.0	34.6-151		%REC	1	1/12/2010 9:01:37 PM
Surr: Nitrobenzene-d5	67.2	26.5-122		%REC	1	1/12/2010 9:01:37 PM
Surr: Phenol-d5	67.4	37.6-118		%REC	1	1/12/2010 9:01:37 PM
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Benzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Toluene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Naphthalene	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	1/12/2010 12:20:53 AM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	1/12/2010 12:20:53 AM
Acetone	ND	0.75		mg/Kg	1	1/12/2010 12:20:53 AM
Bromobenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Bromodichloromethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Bromoform	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Bromomethane	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
2-Butanone	ND	0.50		mg/Kg	1	1/12/2010 12:20:53 AM
Carbon disulfide	ND	0.50		mg/Kg	1	1/12/2010 12:20:53 AM
Carbon tetrachloride	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
Chlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Chloroethane	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
Chloroform	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Chloromethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
2-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
4-Chlorotoluene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
cis-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 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: *15-Jan-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	NBT-E-14
Lab Order:	1001093	**Collection Date:**	1/6/2010 2:45:00 PM
Project:	API Overflow Sample Points	**Date Received:**	1/8/2010
Lab ID:	1001093-14	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: DAM
Dibromochloromethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Dibromomethane	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
2-Hexanone	ND	0.50		mg/Kg	1	1/12/2010 12:20:53 AM
Isopropylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	1/12/2010 12:20:53 AM
Methylene chloride	ND	0.15		mg/Kg	1	1/12/2010 12:20:53 AM
n-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
n-Propylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
sec-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Styrene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
tert-Butylbenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
trans-1,2-DCE	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
Vinyl chloride	ND	0.050		mg/Kg	1	1/12/2010 12:20:53 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/12/2010 12:20:53 AM
Surr: 1,2-Dichloroethane-d4	97.5	59.5-119		%REC	1	1/12/2010 12:20:53 AM
Surr: 4-Bromofluorobenzene	88.5	57.9-141		%REC	1	1/12/2010 12:20:53 AM
Surr: Dibromofluoromethane	111	65.4-122		%REC	1	1/12/2010 12:20:53 AM
Surr: Toluene-d8	92.2	81.1-112		%REC	1	1/12/2010 12:20:53 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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8015B: Diesel Range Organics											
Sample ID: MB-21091		*MBLK*				Batch ID:	**21091**	Analysis Date:		1/12/2010 6:18:37 AM	
Diesel Range Organics (DRO)	ND	mg/Kg	10								
Motor Oil Range Organics (MRO)	ND	mg/Kg	50								
Sample ID: LCS-21091		*LCS*				Batch ID:	**21091**	Analysis Date:		1/12/2010 6:55:05 AM	
Diesel Range Organics (DRO)	47.00	mg/Kg	10	50	0	94.0	64.6	116			
Sample ID: LCSD-21091		*LCSD*				Batch ID:	**21091**	Analysis Date:		1/12/2010 7:31:21 AM	
Diesel Range Organics (DRO)	40.86	mg/Kg	10	50	0	81.7	64.6	116	14.0	17.4	
Method: EPA Method 8015B: Gasoline Range											
Sample ID: 1001093-14A MSD		*MSD*				Batch ID:	**21087**	Analysis Date:		1/13/2010 7:19:45 PM	
Gasoline Range Organics (GRO)	23.53	mg/Kg	5.0	25	1.65	87.5	69.5	120	6.14	11.6	
Sample ID: MB-21087		*MBLK*				Batch ID:	**21087**	Analysis Date:		1/13/2010 8:17:18 PM	
Gasoline Range Organics (GRO)	ND	mg/Kg	5.0								
Sample ID: LCS-21087		*LCS*				Batch ID:	**21087**	Analysis Date:		1/13/2010 7:48:32 PM	
Gasoline Range Organics (GRO)	26.11	mg/Kg	5.0	25	0	104	77.7	135			
Sample ID: 1001093-14A MS		*MS*				Batch ID:	**21087**	Analysis Date:		1/13/2010 6:50:58 PM	
Gasoline Range Organics (GRO)	25.02	mg/Kg	5.0	25	1.65	93.5	69.5	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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: 1001093-14a msd		*MSD*				Batch ID: **21087**		Analysis Date:		1/12/2010 1:17:20 AM	
Benzene	0.9231	mg/Kg	0.050	1	0	92.3	82.3	107	4.24	20	
Toluene	0.9387	mg/Kg	0.050	1	0	93.9	79.8	104	1.44	20	
Chlorobenzene	0.9839	mg/Kg	0.050	1	0	98.4	84.8	103	4.38	20	
1,1-Dichloroethene	0.9009	mg/Kg	0.050	1	0	90.1	55.9	129	4.83	20	
Trichloroethene (TCE)	1.074	mg/Kg	0.050	1	0	107	77.5	102	2.69	20	S
Sample ID: mb-21087		*MBLK*				Batch ID: **21087**		Analysis Date:		1/11/2010 7:10:45 PM	
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								

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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8260B: VOLATILES											
Sample ID: mb-21087		*MBLK*				Batch ID:	**21087**	Analysis Date:	1/11/2010 7:10:45 PM		
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								
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-21087		*LCS*				Batch ID:	**21087**	Analysis Date:	1/11/2010 6:43:28 PM		
Benzene	0.9522	mg/Kg	0.050	1	0	95.2	84.5	114			
Toluene	1.001	mg/Kg	0.050	1	0	100	85.4	109			
Chlorobenzene	1.000	mg/Kg	0.050	1	0	100	86.8	110			
1,1-Dichloroethene	0.9937	mg/Kg	0.050	1	0	99.4	74.4	129			
Trichloroethene (TCE)	1.084	mg/Kg	0.050	1	0	108	77.8	114			
Sample ID: 1001093-14a ms		*MS*				Batch ID:	**21087**	Analysis Date:	1/12/2010 12:49:10 AM		
Benzene	0.8848	mg/Kg	0.050	1	0	88.5	82.3	107			
Toluene	0.9253	mg/Kg	0.050	1	0	92.5	79.8	104			
Chlorobenzene	0.9418	mg/Kg	0.050	1	0	94.2	84.8	103			
1,1-Dichloroethene	0.8584	mg/Kg	0.050	1	0	85.8	55.9	129			
Trichloroethene (TCE)	1.045	mg/Kg	0.050	1	0	105	77.5	102			S

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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21093		*MBLK*					Batch ID: **21093**		Analysis Date:	1/12/2010 12:17:03 PM	
Acenaphthene	ND	mg/Kg	0.20								
Acenaphthylene	ND	mg/Kg	0.20								
Aniline	ND	mg/Kg	0.20								
Anthracene	ND	mg/Kg	0.20								
Azobenzene	ND	mg/Kg	0.20								
Benz(a)anthracene	ND	mg/Kg	0.20								
Benzo(a)pyrene	ND	mg/Kg	0.20								
Benzo(b)fluoranthene	ND	mg/Kg	0.20								
Benzo(g,h,i)perylene	ND	mg/Kg	0.50								
Benzo(k)fluoranthene	ND	mg/Kg	0.20								
Benzoic acid	ND	mg/Kg	0.50								
Benzyl alcohol	ND	mg/Kg	0.20								
Bis(2-chloroethoxy)methane	ND	mg/Kg	0.20								
Bis(2-chloroethyl)ether	ND	mg/Kg	0.20								
Bis(2-chloroisopropyl)ether	ND	mg/Kg	0.20								
Bis(2-ethylhexyl)phthalate	ND	mg/Kg	0.50								
4-Bromophenyl phenyl ether	ND	mg/Kg	0.20								
Butyl benzyl phthalate	ND	mg/Kg	0.20								
Carbazole	ND	mg/Kg	0.20								
4-Chloro-3-methylphenol	ND	mg/Kg	0.50								
4-Chloroaniline	ND	mg/Kg	0.50								
2-Chloronaphthalene	ND	mg/Kg	0.25								
2-Chlorophenol	ND	mg/Kg	0.20								
4-Chlorophenyl phenyl ether	ND	mg/Kg	0.20								
Chrysene	ND	mg/Kg	0.20								
Di-n-butyl phthalate	ND	mg/Kg	0.50								
Di-n-octyl phthalate	ND	mg/Kg	0.20								
Dibenz(a,h)anthracene	ND	mg/Kg	0.20								
Dibenzofuran	ND	mg/Kg	0.20								
1,2-Dichlorobenzene	ND	mg/Kg	0.20								
1,3-Dichlorobenzene	ND	mg/Kg	0.20								
1,4-Dichlorobenzene	ND	mg/Kg	0.20								
3,3'-Dichlorobenzidine	ND	mg/Kg	0.25								
Diethyl phthalate	ND	mg/Kg	0.20								
Dimethyl phthalate	ND	mg/Kg	0.20								
2,4-Dichlorophenol	ND	mg/Kg	0.40								
2,4-Dimethylphenol	ND	mg/Kg	0.30								
4,6-Dinitro-2-methylphenol	ND	mg/Kg	0.50								
2,4-Dinitrophenol	ND	mg/Kg	0.40								
2,4-Dinitrotoluene	ND	mg/Kg	0.50								
2,6-Dinitrotoluene	ND	mg/Kg	0.50								
Fluoranthene	ND	mg/Kg	0.25								
Fluorene	ND	mg/Kg	0.50								
Hexachlorobenzene	ND	mg/Kg	0.20								

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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-21093		*MBLK*				Batch ID:	**21093**	Analysis Date:	1/12/2010 12:17:03 PM		
Hexachlorobutadiene	ND	mg/Kg	0.20								
Hexachlorocyclopentadiene	ND	mg/Kg	0.20								
Hexachloroethane	ND	mg/Kg	0.20								
Indeno(1,2,3-cd)pyrene	ND	mg/Kg	0.25								
Isophorone	ND	mg/Kg	0.50								
2-Methylnaphthalene	ND	mg/Kg	0.25								
2-Methylphenol	ND	mg/Kg	0.50								
3+4-Methylphenol	ND	mg/Kg	0.20								
N-Nitrosodi-n-propylamine	ND	mg/Kg	0.20								
N-Nitrosodiphenylamine	ND	mg/Kg	0.20								
Naphthalene	ND	mg/Kg	0.20								
2-Nitroaniline	ND	mg/Kg	0.20								
3-Nitroaniline	ND	mg/Kg	0.20								
4-Nitroaniline	ND	mg/Kg	0.25								
Nitrobenzene	ND	mg/Kg	0.50								
2-Nitrophenol	ND	mg/Kg	0.20								
4-Nitrophenol	ND	mg/Kg	0.20								
Pentachlorophenol	ND	mg/Kg	0.40								
Phenanthrene	ND	mg/Kg	0.20								
Phenol	ND	mg/Kg	0.20								
Pyrene	ND	mg/Kg	0.20								
Pyridine	ND	mg/Kg	0.50								
1,2,4-Trichlorobenzene	ND	mg/Kg	0.20								
2,4,5-Trichlorophenol	ND	mg/Kg	0.20								
2,4,6-Trichlorophenol	ND	mg/Kg	0.20								
Sample ID: lcs-21093		*LCS*				Batch ID:	**21093**	Analysis Date:	1/12/2010 12:46:17 PM		
Acenaphthene	1.353	mg/Kg	0.20	1.67	0	81.0	42.5	90			
4-Chloro-3-methylphenol	2.753	mg/Kg	0.50	3.33	0	82.7	39.6	101			
2-Chlorophenol	2.371	mg/Kg	0.20	3.33	0	71.2	40.1	96.7			
1,4-Dichlorobenzene	1.222	mg/Kg	0.20	1.67	0	73.2	34.6	95.3			
2,4-Dinitrotoluene	1.471	mg/Kg	0.50	1.67	0	88.1	37.1	101			
N-Nitrosodi-n-propylamine	1.157	mg/Kg	0.20	1.67	0	69.3	33.3	103			
4-Nitrophenol	2.705	mg/Kg	0.20	3.33	0	81.2	32.7	125			
Pentachlorophenol	2.429	mg/Kg	0.40	3.33	0	72.9	35.5	99.3			
Phenol	2.338	mg/Kg	0.20	3.33	0	70.2	35.5	104			
Pyrene	1.101	mg/Kg	0.20	1.67	0	65.9	34.4	90.6			
1,2,4-Trichlorobenzene	1.313	mg/Kg	0.20	1.67	0	78.6	38.5	95			

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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 7471: Mercury											
Sample ID: 1001093-02AMSD		*MSD*				Batch ID:	**21100**	Analysis Date:		1/12/2010 3:34:04 PM	
Mercury	0.2095	mg/Kg	0.033	0.157	0.0319	113	75	125	3.76	20	
Sample ID: MB-21100		*MBLK*				Batch ID:	**21100**	Analysis Date:		1/12/2010 3:25:17 PM	
Mercury	ND	mg/Kg	0.033								
Sample ID: LCS-21100		*LCS*				Batch ID:	**21100**	Analysis Date:		1/12/2010 3:27:01 PM	
Mercury	0.1708	mg/Kg	0.033	0.167	0	102	80	120			
Sample ID: 1001093-02AMS		*MS*				Batch ID:	**21100**	Analysis Date:		1/12/2010 3:32:18 PM	
Mercury	0.2175	mg/Kg	0.033	0.154	0.0319	121	75	125			

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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Soil Metals											
Sample ID: 1001093-10AMSD		*MSD*				Batch ID:	**21084**	Analysis Date:		1/11/2010 2:07:44 PM	
Arsenic	22.87	mg/Kg	13	24.8	0	92.2	75	125	1.50	20	
Cadmium	25.07	mg/Kg	0.50	24.8	0	101	75	125	2.15	20	
Chromium	33.79	mg/Kg	1.5	24.8	9.088	99.6	75	125	2.43	20	
Lead	30.06	mg/Kg	1.3	24.8	7.228	92.1	75	125	2.56	20	
Selenium	22.00	mg/Kg	13	24.8	0	88.7	75	125	6.74	20	
Silver	24.43	mg/Kg	1.3	24.8	0	98.5	75	125	1.29	20	
Sample ID: MB-21084		*MBLK*				Batch ID:	**21084**	Analysis Date:		1/11/2010 12:24:38 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: MB-21085		*MBLK*				Batch ID:	**21085**	Analysis Date:		1/11/2010 12:29:16 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-21084		*LCS*				Batch ID:	**21084**	Analysis Date:		1/11/2010 12:26:52 PM	
Arsenic	24.60	mg/Kg	2.5	25	0	98.4	80	120			
Barium	25.75	mg/Kg	0.10	25	0	103	80	120			
Cadmium	24.82	mg/Kg	0.10	25	0	99.3	80	120			
Chromium	25.67	mg/Kg	0.30	25	0	103	80	120			
Lead	25.15	mg/Kg	0.25	25	0.2253	99.7	80	120			
Selenium	25.03	mg/Kg	2.5	25	0	100	80	120			
Silver	25.66	mg/Kg	0.25	25	0.101	102	80	120			
Sample ID: LCS-21085		*LCS*				Batch ID:	**21085**	Analysis Date:		1/11/2010 12:31:29 PM	
Arsenic	24.06	mg/Kg	2.5	25	0	96.2	80	120			
Barium	25.50	mg/Kg	0.10	25	0	102	80	120			
Cadmium	24.35	mg/Kg	0.10	25	0	97.4	80	120			
Chromium	25.50	mg/Kg	0.30	25	0	102	80	120			
Lead	24.75	mg/Kg	0.25	25	0.1573	98.4	80	120			
Selenium	24.29	mg/Kg	2.5	25	0	97.1	80	120			
Silver	25.37	mg/Kg	0.25	25	0.0325	101	80	120			
Sample ID: 1001093-10AMS		*MS*				Batch ID:	**21084**	Analysis Date:		1/11/2010 2:05:36 PM	
Arsenic	22.53	mg/Kg	13	24.89	0	90.5	75	125			
Cadmium	24.54	mg/Kg	0.50	24.89	0	98.6	75	125			
Chromium	32.98	mg/Kg	1.5	24.89	9.088	96.0	75	125			
Lead	30.84	mg/Kg	1.3	24.89	7.228	94.9	75	125			

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: API Overflow Sample Points **Work Order:** 1001093

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 6010B: Soil Metals											
Sample ID: 1001093-10AMS		*MS*				Batch ID:	**21084**	Analysis Date:		1/11/2010 2:05:36 PM	
Selenium	20.56	mg/Kg	13	24.89	0	82.6	75	125			
Silver	24.75	mg/Kg	1.3	24.89	0	99.4	75	125			

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: **1/8/2010**

Work Order Number **1001093** Received by: ARS

Checklist completed by: Signature 1/8/10 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 ☑ AT 1/8/10	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?	**4.1°**	*<6° C Acceptable* If given sufficient time to cool.		

Number of preserved bottles checked for pH: _____

<2 >12 unless noted below.

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

(1 of 2)

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)
Accreditation: ☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time: ☐ Standard ☒ Rush
Project Name: API Overflow Sample Points
Project #:
Project Manager: Beck Larsen
Sampler: Alvin 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

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1001093	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) TOTAL	8270 (Semi-VOA)	RCLAT 1/18/10	Air Bubbles (Y or N)
01-06-10	1030	soil	API-N-1	8 oz-1	N/A	1			X				X			X	X	X	
01-06-10	1045	soil	API-E-2	8-oz-1	N/A	2			X				X			X	X	X	
01-06-10	1059	soil	API-E-3	8-oz-1	N/A	3			X				X			X	X	X	
01-06-10	1115	soil	API-S-4	8 oz-1	N/A	4			X				X			X	X	X	
01-06-10	1120	soil	API-W-5	8 oz-1	N/A	5			X				X			X	X	X	
01-06-10	1135	soil	API-W-6	8 oz-1	N/A	6			X				X			X	X	X	
01-06-10	1150	soil	BKT-E-7	8 oz-1	N/A	7			X				X			X	X	X	
01-06-10	1205	soil	BKT-S-8	8 oz-1	N/A	8			X				X			X	X	X	
01-06-10	1220	soil	BKT-W-9	8 oz-1	N/A	9			X				X			X	X	X	

Date:	Time:	Relinquished by:	Received by:	Date	Time
01-07-10	1200	Alvin Dorsey		1/8/10	8:50
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: per BL analyze for 8270; no RCI
1/18/10

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.

(2 of 2)

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)

Accreditation
☐ NELAP ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush

Project Name: API OVERFLOW Sample POINTS
Project #:

Project Manager: BECK LARSEN

Sampler: ALVIN 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	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1001033	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)	RCI + TK 1/8/10			Air Bubbles (Y or N)
01-06-10	1:30	soil	CHN-C-10	8oz-1	N/A	10			X				X			X	X	X			
01-06-10	1:45	soil	CHN-C-11	8oz-1	N/A	11			X				X			X	X	X			
01-06-10	2:00	soil	NBT-W-12	8oz-1	N/A	12			X				X			X	X	X			
01-06-10	2:20	soil	NBT-N-13	8oz-1	N/A	13			X				X			X	X	X			
01-06-10	2:45	soil	NBT-E-14	8oz-1	N/A	14			X				X			X	X	X			

Date	Time	Relinquished by:	Received by:	Date	Time
01-07-10	1200	Alvin Dorsey			
				1/8/10	8:50
Date:	Time:	Relinquished by:	Received by:	Date	Time

Remarks: Per BL analyze for 8270; no RCI AT 1/8/10

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.