Western Refining
GALLUP

ENTERED

WNR LISTED NYSE

NOV

Certified Mail 7008 2810 0000 4726 2397

November 24, 2010

Mr. John Kieling
Program Manager
New Mexico Environment Department
2905 Rodeo Park Drive East, Building 1
Santa Fe, NM 87505-6303

RE: Response to NMED's "Approval With Modifications
Revised Railroad Rack Lagoon Overflow Ditch and Fan-out Area, SWMU No. 8 Subsurface Investigation Final Report
Western Refining Company Southwest Inc., Gallup Refinery
EPA ID # NMD000333211 HWB-WRG-10-002"

Dear Mr. Kieling:

Thank you for the Approval With Modifications. The purpose of this letter is to respond to the New Mexico Environment Department's (NMED), Approval With Modifications Revised Railroad Rack Lagoon Overflow Ditch and Fan-out Area, SWMU No. 8 Subsurface Investigation Final Report dated November 9, 2010. The *Revised Railroad Rack Lagoon Overflow Ditch and Fan-out Area, SWMU No. 8 Subsurface Investigation Final Report Western Refining Company Southwest Inc., Gallup Refinery EPA ID # NMD000333211 HWB-WRG-10-005* (Report) was submitted by Western Refining Gallup Refinery (Gallup) to NMED in late September, 2010.

NMED provided two comments in the Approval With Modifications and they are listed below with Westerns response.

NMED Comment 1
In Section 4.4 (Investigation Derived Waste), the permittee states "[o]ther wastes associated with sampling, including personal protective equipment (PPE), rinse water from decontamination, and other sampling-associated disposables were disposed of appropriately at the refinery." The term "disposed of appropriately" is vague. The Permittee must send a response letter that specifically states the disposition of the waste (e.g., PPE was disposed of as municipal waste; rinse water was disposed of in the waste water treatment system upstream of the API Separator).

Response to Comment 1

PPE and other disposables were disposed of in on-site dumpsters that were disposed of at an off-site municipal waste landfill in near Thoreau. Rinse water from decontamination was emptied into the refinery's process sewer which is part of the refinery's waste water treatment system.

NMED Comment 2

In Section 7.0 (Conclusions), page 7-1, paragraph 4, the permitee states "[t]he excavations currently remain open as Gallup is awaiting NMED's approval of this report prior to backfilling the excavations with clean backfill material." The permitee does not state from where the clean backfill material will be obtained. The permittee must identify in a response letter the source of the clean backfill and provide analytical data that demonstrates that the fill is clean if the material is obtained from within the refinery.

Response to Comment 2

The clean backfill material will come from a virgin hillside east of Pond 9 as shown on the attached map (Figure 2) with a red X. To our knowledge there has never been any refinery related activities in this area. The bottom of the hillside which has been excavated for other fill activities was divided into 4 sections and a composite of three samples was taken from each section. The entire length of the excavation is approximately 170 feet in length. All four sample result constituents came back non detect (ND) for EPA Method 8270C semivolatiles, Method 8260B volatiles and Method 418.1 TPH. The Hall Analysis Lab Report dated November 22, 2010 is attached.

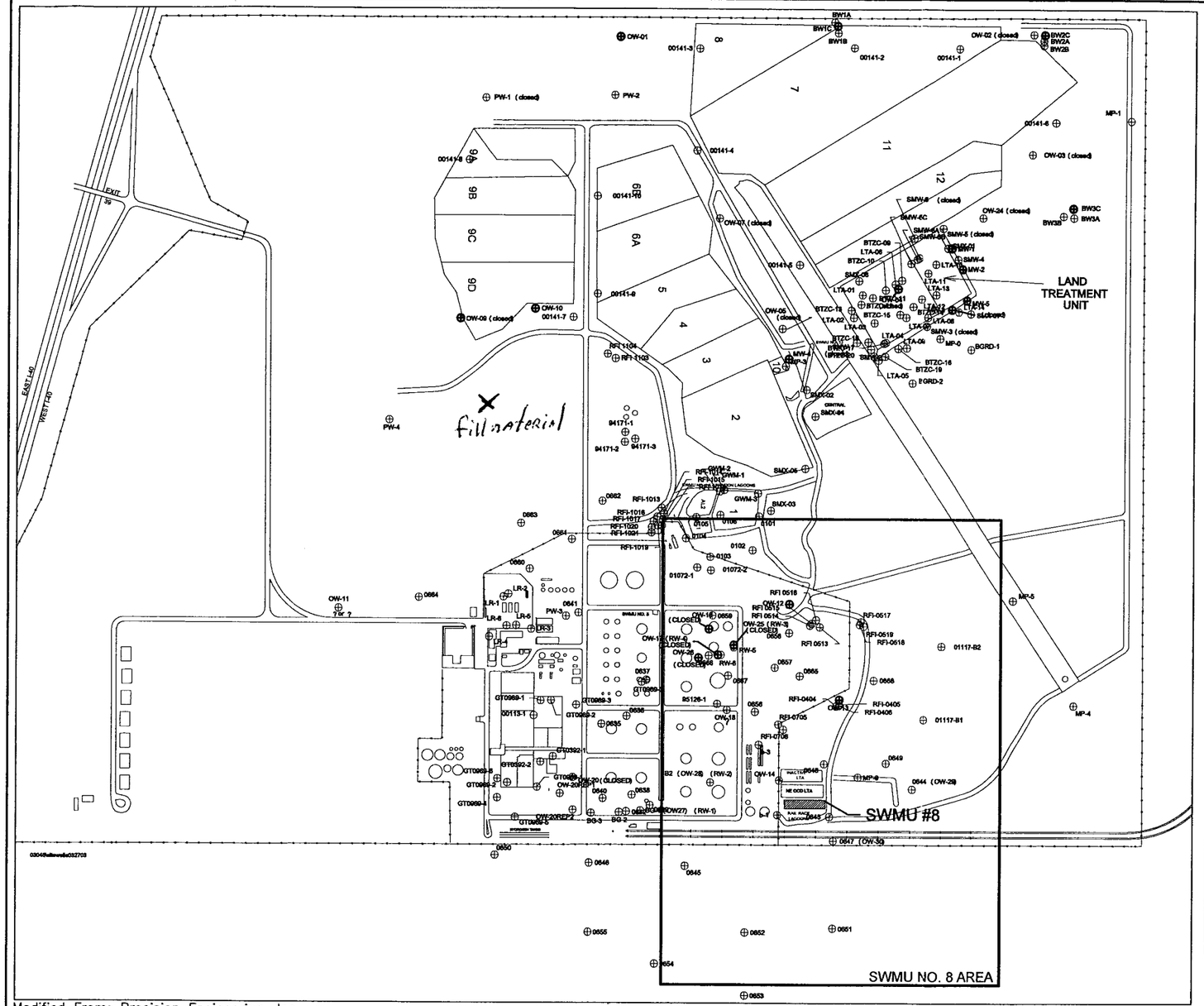
Upon NMED approval, Western Refining would like to backfill the B-8 excavation with the clean fill material from the site identified above. If you have any questions, or if we can be of further service to you, please do not hesitate to call me at (505) 722-0217.

Sincerely,
Western Refining Company

Ed Riege
Environmental Manager

Attachments

cc: K. Van Horn NMED HWB
C. Chavez, OCD
L. Morgan, Western Refining
R. Mitchell, Trihydro

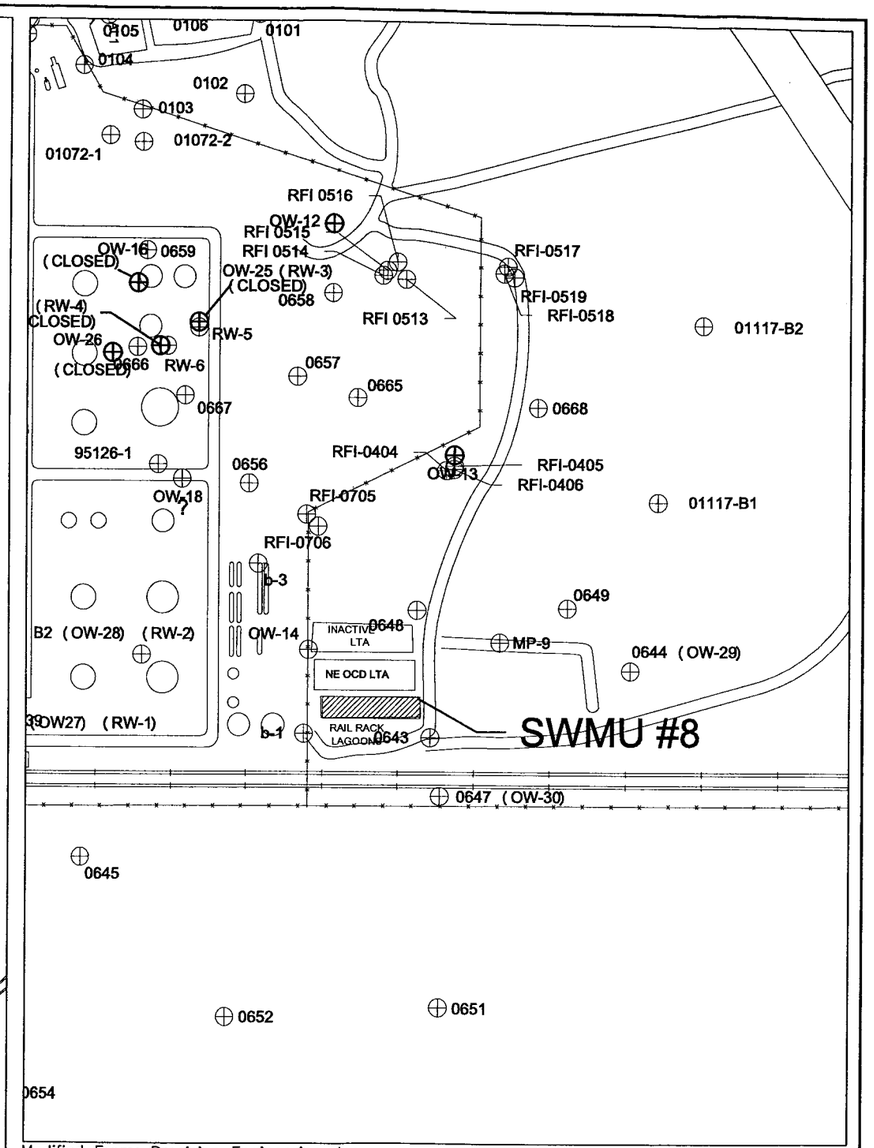


Modified From: Precision Engineering, Inc.

1 **OVERALL PLAN VIEW**
SCALE 1" = 800'

0 800'

N



Modified From: Precision Engineering, Inc.

2 **SWMU NO. 8 AREA**
SCALE 1" = 400'

0 400'

N

NOTE:

BASE CADD FILE PROVIDED BY PRECISION ENGINEERING, DATED DECEMBER 18, 2006

EXPLANATION

COLOR CODE:
SONSELA WELLS
CHINLE/ALLUVIUM INTERFACE WELLS
UPPER SAND WELLS
RAW WATER PRODUCTION WELL
ALL OTHER EXPLORATORY BORINGS

NOTE: CLOSED = ABANDONED

Well Locations Updated Through 12/18/08

Trihydro CORPORATION
1252 Commerce Drive
Laramie, Wyoming 82070
www.trihydro.com
(P) 307/745.7474 (F) 307/745.7729

FIGURE 2

SWMU NO. 8 AND SURROUNDING WELLS

WESTERN REFINING
GALLUP REFINERY
GALLUP, NEW MEXICO

Drawn By: SV	Checked By: RA	Scale: AS SHOWN	Date: 12/28/09	File: 072LOCSFROMOTHR

HALL ENVIRONMENTAL ANALYSIS LABORATORY

COVER LETTER

Monday, November 22, 2010

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

TEL: (505) 722-0227
FAX (505) 722-0210

RE: Fan Out Fill-Soil

Order No.: 1011699

Dear Thurman B. Larsen:

Hall Environmental Analysis Laboratory, Inc. received 4 sample(s) on 11/17/2010 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.

Please do not 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

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 1
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:35:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Acenaphthylene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Aniline	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Anthracene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Azobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Benzo(g,h,i)perylene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Benzoic acid	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Carbazole	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
2-Chloronaphthalene	ND	0.25		mg/Kg	1	11/18/2010 12:02:17 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Chrysene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
Di-n-octyl phthalate	ND	0.25		mg/Kg	1	11/18/2010 12:02:17 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Dibenzofuran	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	11/18/2010 12:02:17 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	11/18/2010 12:02:17 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	11/18/2010 12:02:17 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	11/18/2010 12:02:17 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 1
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:35:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Fluorene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Hexachloroethane	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Indeno(1,2,3-cd)pyrene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Isophorone	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
2-Methylphenol	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Naphthalene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
4-Nitroaniline	ND	0.40		mg/Kg	1	11/18/2010 12:02:17 PM
Nitrobenzene	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	11/18/2010 12:02:17 PM
Phenanthrene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Phenol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Pyrene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Pyridine	ND	0.50		mg/Kg	1	11/18/2010 12:02:17 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 12:02:17 PM
Surr: 2,4,6-Tribromophenol	74.7	32.2-125		%REC	1	11/18/2010 12:02:17 PM
Surr: 2-Fluorobiphenyl	81.2	29.8-137		%REC	1	11/18/2010 12:02:17 PM
Surr: 2-Fluorophenol	87.6	22.6-131		%REC	1	11/18/2010 12:02:17 PM
Surr: 4-Terphenyl-d14	70.9	23.8-110		%REC	1	11/18/2010 12:02:17 PM
Surr: Nitrobenzene-d5	93.1	29.5-130		%REC	1	11/18/2010 12:02:17 PM
Surr: Phenol-d5	86.7	25.5-127		%REC	1	11/18/2010 12:02:17 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Toluene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 1
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:35:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Naphthalene	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 9:21:32 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 9:21:32 PM
Acetone	ND	0.75		mg/Kg	1	11/18/2010 9:21:32 PM
Bromobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Bromoform	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Bromomethane	ND	0.15		mg/Kg	1	11/18/2010 9:21:32 PM
2-Butanone	ND	0.50		mg/Kg	1	11/18/2010 9:21:32 PM
Carbon disulfide	ND	0.50		mg/Kg	1	11/18/2010 9:21:32 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
Chlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Chloroethane	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
Chloroform	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Chloromethane	ND	0.15		mg/Kg	1	11/18/2010 9:21:32 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Dibromomethane	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
2-Hexanone	ND	0.50		mg/Kg	1	11/18/2010 9:21:32 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	11/18/2010 9:21:32 PM
Methylene chloride	ND	0.15		mg/Kg	1	11/18/2010 9:21:32 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 1
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:35:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-01	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
n-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Styrene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
Vinyl chloride	ND	0.050		mg/Kg	1	11/18/2010 9:21:32 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/18/2010 9:21:32 PM
Surr: 1,2-Dichloroethane-d4	101	77.8-97.5	S	%REC	1	11/18/2010 9:21:32 PM
Surr: 4-Bromofluorobenzene	94.4	82.2-105		%REC	1	11/18/2010 9:21:32 PM
Surr: Dibromofluoromethane	103	63.7-133		%REC	1	11/18/2010 9:21:32 PM
Surr: Toluene-d8	94.3	87.2-105		%REC	1	11/18/2010 9:21:32 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	11/19/2010

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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 2
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:47:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Acenaphthylene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Aniline	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Anthracene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Azobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Benz(a)anthracene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Benzo(g,h,i)perylene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Benzoic acid	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
Benzyl alcohol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Carbazole	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
4-Chloroaniline	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
2-Chloronaphthalene	ND	0.25		mg/Kg	1	11/18/2010 11:01:18 AM
2-Chlorophenol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Chrysene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
Di-n-octyl phthalate	ND	0.25		mg/Kg	1	11/18/2010 11:01:18 AM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Dibenzofuran	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	11/18/2010 11:01:18 AM
Diethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Dimethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	11/18/2010 11:01:18 AM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	11/18/2010 11:01:18 AM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	11/18/2010 11:01:18 AM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 2
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:47:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Fluorene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Hexachlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Hexachloroethane	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Indeno(1,2,3-cd)pyrene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Isophorone	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
2-Methylphenol	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
3+4-Methylphenol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Naphthalene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
2-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
3-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
4-Nitroaniline	ND	0.40		mg/Kg	1	11/18/2010 11:01:18 AM
Nitrobenzene	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
2-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
4-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Pentachlorophenol	ND	0.40		mg/Kg	1	11/18/2010 11:01:18 AM
Phenanthrene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Phenol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Pyrene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Pyridine	ND	0.50		mg/Kg	1	11/18/2010 11:01:18 AM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 11:01:18 AM
Surr: 2,4,6-Tribromophenol	85.1	32.2-125		%REC	1	11/18/2010 11:01:18 AM
Surr: 2-Fluorobiphenyl	91.1	29.8-137		%REC	1	11/18/2010 11:01:18 AM
Surr: 2-Fluorophenol	94.0	22.6-131		%REC	1	11/18/2010 11:01:18 AM
Surr: 4-Terphenyl-d14	81.2	23.8-110		%REC	1	11/18/2010 11:01:18 AM
Surr: Nitrobenzene-d5	101	29.5-130		%REC	1	11/18/2010 11:01:18 AM
Surr: Phenol-d5	95.0	25.5-127		%REC	1	11/18/2010 11:01:18 AM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Toluene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 2
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:47:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Naphthalene	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 9:49:34 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 9:49:34 PM
Acetone	ND	0.75		mg/Kg	1	11/18/2010 9:49:34 PM
Bromobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Bromoform	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Bromomethane	ND	0.15		mg/Kg	1	11/18/2010 9:49:34 PM
2-Butanone	ND	0.50		mg/Kg	1	11/18/2010 9:49:34 PM
Carbon disulfide	ND	0.50		mg/Kg	1	11/18/2010 9:49:34 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
Chlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Chloroethane	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
Chloroform	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Chloromethane	ND	0.15		mg/Kg	1	11/18/2010 9:49:34 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Dibromomethane	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
2-Hexanone	ND	0.50		mg/Kg	1	11/18/2010 9:49:34 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	11/18/2010 9:49:34 PM
Methylene chloride	ND	0.15		mg/Kg	1	11/18/2010 9:49:34 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 2
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:47:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-02	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
n-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Styrene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
Vinyl chloride	ND	0.050		mg/Kg	1	11/18/2010 9:49:34 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/18/2010 9:49:34 PM
Surr: 1,2-Dichloroethane-d4	102	77.8-97.5	S	%REC	1	11/18/2010 9:49:34 PM
Surr: 4-Bromofluorobenzene	90.2	82.2-105		%REC	1	11/18/2010 9:49:34 PM
Surr: Dibromofluoromethane	103	63.7-133		%REC	1	11/18/2010 9:49:34 PM
Surr: Toluene-d8	95.4	87.2-105		%REC	1	11/18/2010 9:49:34 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	11/19/2010

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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 3
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Acenaphthene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Acenaphthylene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Aniline	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Anthracene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Azobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Benz(a)anthracene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Benzo(g,h,i)perylene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Benzoic acid	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
Benzyl alcohol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Carbazole	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
4-Chloroaniline	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
2-Chloronaphthalene	ND	0.25		mg/Kg	1	11/18/2010 12:32:03 PM
2-Chlorophenol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Chrysene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
Di-n-octyl phthalate	ND	0.25		mg/Kg	1	11/18/2010 12:32:03 PM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Dibenzofuran	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	11/18/2010 12:32:03 PM
Diethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Dimethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	11/18/2010 12:32:03 PM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	11/18/2010 12:32:03 PM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	11/18/2010 12:32:03 PM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 3
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: **JDC**
Fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Fluorene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Hexachlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Hexachloroethane	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Indeno(1,2,3-cd)pyrene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Isophorone	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
2-Methylphenol	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
3+4-Methylphenol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Naphthalene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
2-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
3-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
4-Nitroaniline	ND	0.40		mg/Kg	1	11/18/2010 12:32:03 PM
Nitrobenzene	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
2-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
4-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Pentachlorophenol	ND	0.40		mg/Kg	1	11/18/2010 12:32:03 PM
Phenanthrene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Phenol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Pyrene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Pyridine	ND	0.50		mg/Kg	1	11/18/2010 12:32:03 PM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 12:32:03 PM
Surr: 2,4,6-Tribromophenol	54.0	32.2-125		%REC	1	11/18/2010 12:32:03 PM
Surr: 2-Fluorobiphenyl	52.8	29.8-137		%REC	1	11/18/2010 12:32:03 PM
Surr: 2-Fluorophenol	51.1	22.6-131		%REC	1	11/18/2010 12:32:03 PM
Surr: 4-Terphenyl-d14	53.2	23.8-110		%REC	1	11/18/2010 12:32:03 PM
Surr: Nitrobenzene-d5	58.3	29.5-130		%REC	1	11/18/2010 12:32:03 PM
Surr: Phenol-d5	51.1	25.5-127		%REC	1	11/18/2010 12:32:03 PM
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
Benzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Toluene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 3
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Naphthalene	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 10:17:44 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 10:17:44 PM
Acetone	ND	0.75		mg/Kg	1	11/18/2010 10:17:44 PM
Bromobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Bromoform	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Bromomethane	ND	0.15		mg/Kg	1	11/18/2010 10:17:44 PM
2-Butanone	ND	0.50		mg/Kg	1	11/18/2010 10:17:44 PM
Carbon disulfide	ND	0.50		mg/Kg	1	11/18/2010 10:17:44 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
Chlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Chloroethane	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
Chloroform	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Chloromethane	ND	0.15		mg/Kg	1	11/18/2010 10:17:44 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Dibromomethane	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
2-Hexanone	ND	0.50		mg/Kg	1	11/18/2010 10:17:44 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	11/18/2010 10:17:44 PM
Methylene chloride	ND	0.15		mg/Kg	1	11/18/2010 10:17:44 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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 3
Lab Order:	1011699	**Collection Date:**	11/16/2010 1:55:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-03	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
n-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Styrene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
Vinyl chloride	ND	0.050		mg/Kg	1	11/18/2010 10:17:44 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/18/2010 10:17:44 PM
Surr: 1,2-Dichloroethane-d4	101	77.8-97.5	S	%REC	1	11/18/2010 10:17:44 PM
Surr: 4-Bromofluorobenzene	92.6	82.2-105		%REC	1	11/18/2010 10:17:44 PM
Surr: Dibromofluoromethane	99.4	63.7-133		%REC	1	11/18/2010 10:17:44 PM
Surr: Toluene-d8	93.6	87.2-105		%REC	1	11/18/2010 10:17:44 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	11/19/2010

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 4
Lab Order:	1011699	**Collection Date:**	11/16/2010 2:15:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Acenaphthene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Acenaphthylene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Aniline	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Anthracene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Azobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Benz(a)anthracene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Benzo(a)pyrene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Benzo(b)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Benzo(g,h,i)perylene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Benzo(k)fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Benzoic acid	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
Benzyl alcohol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Bis(2-chloroethoxy)methane	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Bis(2-chloroethyl)ether	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Bis(2-chloroisopropyl)ether	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Bis(2-ethylhexyl)phthalate	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
4-Bromophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Butyl benzyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Carbazole	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
4-Chloro-3-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
4-Chloroaniline	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
2-Chloronaphthalene	ND	0.25		mg/Kg	1	11/18/2010 11:31:04 AM
2-Chlorophenol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
4-Chlorophenyl phenyl ether	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Chrysene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Di-n-butyl phthalate	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
Di-n-octyl phthalate	ND	0.25		mg/Kg	1	11/18/2010 11:31:04 AM
Dibenz(a,h)anthracene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Dibenzofuran	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
1,2-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
1,3-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
1,4-Dichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
3,3'-Dichlorobenzidine	ND	0.25		mg/Kg	1	11/18/2010 11:31:04 AM
Diethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Dimethyl phthalate	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
2,4-Dichlorophenol	ND	0.40		mg/Kg	1	11/18/2010 11:31:04 AM
2,4-Dimethylphenol	ND	0.30		mg/Kg	1	11/18/2010 11:31:04 AM
4,6-Dinitro-2-methylphenol	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
2,4-Dinitrophenol	ND	0.40		mg/Kg	1	11/18/2010 11:31:04 AM
2,4-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
2,6-Dinitrotoluene	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 4
Lab Order:	1011699	**Collection Date:**	11/16/2010 2:15:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8270C: SEMIVOLATILES						Analyst: JDC
Fluoranthene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Fluorene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Hexachlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Hexachlorobutadiene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Hexachlorocyclopentadiene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Hexachloroethane	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Indeno(1,2,3-cd)pyrene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Isophorone	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
2-Methylphenol	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
3+4-Methylphenol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
N-Nitrosodi-n-propylamine	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
N-Nitrosodiphenylamine	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Naphthalene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
2-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
3-Nitroaniline	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
4-Nitroaniline	ND	0.40		mg/Kg	1	11/18/2010 11:31:04 AM
Nitrobenzene	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
2-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
4-Nitrophenol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Pentachlorophenol	ND	0.40		mg/Kg	1	11/18/2010 11:31:04 AM
Phenanthrene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Phenol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Pyrene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Pyridine	ND	0.50		mg/Kg	1	11/18/2010 11:31:04 AM
1,2,4-Trichlorobenzene	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
2,4,5-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
2,4,6-Trichlorophenol	ND	0.20		mg/Kg	1	11/18/2010 11:31:04 AM
Surr: 2,4,6-Tribromophenol	54.7	32.2-125		%REC	1	11/18/2010 11:31:04 AM
Surr: 2-Fluorobiphenyl	59.9	29.8-137		%REC	1	11/18/2010 11:31:04 AM
Surr: 2-Fluorophenol	61.5	22.6-131		%REC	1	11/18/2010 11:31:04 AM
Surr: 4-Terphenyl-d14	56.7	23.8-110		%REC	1	11/18/2010 11:31:04 AM
Surr: Nitrobenzene-d5	67.1	29.5-130		%REC	1	11/18/2010 11:31:04 AM
Surr: Phenol-d5	58.0	25.5-127		%REC	1	11/18/2010 11:31:04 AM
EPA METHOD 8260B: VOLATILES						Analyst: MMS
Benzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Toluene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Methyl tert-butyl ether (MTBE)	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,2,4-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 4
Lab Order:	1011699	**Collection Date:**	11/16/2010 2:15:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
1,3,5-Trimethylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,2-Dichloroethane (EDC)	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,2-Dibromoethane (EDB)	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Naphthalene	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
1-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 10:46:02 PM
2-Methylnaphthalene	ND	0.20		mg/Kg	1	11/18/2010 10:46:02 PM
Acetone	ND	0.75		mg/Kg	1	11/18/2010 10:46:02 PM
Bromobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Bromodichloromethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Bromoform	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Bromomethane	ND	0.15		mg/Kg	1	11/18/2010 10:46:02 PM
2-Butanone	ND	0.50		mg/Kg	1	11/18/2010 10:46:02 PM
Carbon disulfide	ND	0.50		mg/Kg	1	11/18/2010 10:46:02 PM
Carbon tetrachloride	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
Chlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Chloroethane	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
Chloroform	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Chloromethane	ND	0.15		mg/Kg	1	11/18/2010 10:46:02 PM
2-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
4-Chlorotoluene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
cis-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
cis-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,2-Dibromo-3-chloropropane	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
Dibromochloromethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Dibromomethane	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
1,2-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,3-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,4-Dichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Dichlorodifluoromethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,1-Dichloroethane	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
1,1-Dichloroethene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,2-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,3-Dichloropropane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
2,2-Dichloropropane	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
1,1-Dichloropropene	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
Hexachlorobutadiene	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
2-Hexanone	ND	0.50		mg/Kg	1	11/18/2010 10:46:02 PM
Isopropylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
4-Isopropyltoluene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
4-Methyl-2-pentanone	ND	0.50		mg/Kg	1	11/18/2010 10:46:02 PM
Methylene chloride	ND	0.15		mg/Kg	1	11/18/2010 10:46:02 PM

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Date: *22-Nov-10*

CLIENT:	Western Refining Southwest, Gallup	**Client Sample ID:**	Fill Soil Loc 4
Lab Order:	1011699	**Collection Date:**	11/16/2010 2:15:00 PM
Project:	Fan Out Fill-Soil	**Date Received:**	11/17/2010
Lab ID:	1011699-04	**Matrix:**	SOIL

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8260B: VOLATILES						Analyst: **MMS**
n-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
n-Propylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
sec-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Styrene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
tert-Butylbenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,1,1,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,1,2,2-Tetrachloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Tetrachloroethene (PCE)	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
trans-1,2-DCE	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
trans-1,3-Dichloropropene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,2,3-Trichlorobenzene	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
1,2,4-Trichlorobenzene	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,1,1-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,1,2-Trichloroethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Trichloroethene (TCE)	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Trichlorofluoromethane	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
1,2,3-Trichloropropane	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
Vinyl chloride	ND	0.050		mg/Kg	1	11/18/2010 10:46:02 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/18/2010 10:46:02 PM
Surr: 1,2-Dichloroethane-d4	97.8	77.8-97.5	S	%REC	1	11/18/2010 10:46:02 PM
Surr: 4-Bromofluorobenzene	92.3	82.2-105		%REC	1	11/18/2010 10:46:02 PM
Surr: Dibromofluoromethane	98.7	63.7-133		%REC	1	11/18/2010 10:46:02 PM
Surr: Toluene-d8	94.5	87.2-105		%REC	1	11/18/2010 10:46:02 PM
EPA METHOD 418.1: TPH						Analyst: **JB**
Petroleum Hydrocarbons, TR	ND	20		mg/Kg	1	11/19/2010

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
NC	Non-Chlorinated	ND	Not Detected at the Reporting Limit
PQL	Practical Quantitation Limit	S	Spike recovery outside accepted recovery limits

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Fan Out Fill-Soil **Work Order:** 1011699

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 418.1: TPH											
Sample ID: MB-24573		*MBLK*				Batch ID:	**24573**	Analysis Date:			11/19/2010
Petroleum Hydrocarbons, TR	ND	mg/Kg	20								
Sample ID: LCS-24573		*LCS*				Batch ID:	**24573**	Analysis Date:			11/19/2010
Petroleum Hydrocarbons, TR	94.08	mg/Kg	20	100	0	94.1	86.8	116			
Sample ID: LCSD-24573		*LCSD*				Batch ID:	**24573**	Analysis Date:			11/19/2010
Petroleum Hydrocarbons, TR	96.80	mg/Kg	20	100	0	96.8	86.8	116	2.85	16.2	
Method: EPA Method 8260B: VOLATILES											
Sample ID: lcs-24562		*LCS*				Batch ID:	**24562**	Analysis Date:			11/20/2010 12:02:40 PM
Benzene	1.033	mg/Kg	0.050	1	0	103	73.3	116			
Toluene	1.029	mg/Kg	0.050	1	0	103	90.5	117			
Chlorobenzene	1.021	mg/Kg	0.050	1	0.0058	101	93.6	113			
1,1-Dichloroethene	1.274	mg/Kg	0.050	1	0	127	68.4	131			
Trichloroethene (TCE)	0.9284	mg/Kg	0.050	1	0	92.8	64.6	100			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Fan Out Fill-Soil **Work Order:** 1011699

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: 1011699-01Amsd		*MSD*				Batch ID:	**24561**	Analysis Date:		11/18/2010 1:31:40 PM	
Acenaphthene	1.243	mg/Kg	0.20	1.67	0	74.4	33.2	123	6.54	16.2	
4-Chloro-3-methylphenol	2.547	mg/Kg	0.50	3.33	0	76.5	17.4	119	1.02	20.2	
2-Chlorophenol	2.747	mg/Kg	0.20	3.33	0	82.5	25.3	117	0.0607	30.6	
1,4-Dichlorobenzene	1.231	mg/Kg	0.20	1.67	0	73.7	24.6	111	0.162	20	
2,4-Dinitrotoluene	1.801	mg/Kg	0.50	1.67	0	108	29.4	137	9.76	30.7	
N-Nitrosodi-n-propylamine	1.224	mg/Kg	0.20	1.67	0	73.3	26.9	109	9.86	25.7	
4-Nitrophenol	3.558	mg/Kg	0.20	3.33	0	107	13.7	165	10.0	43.7	
Pentachlorophenol	2.342	mg/Kg	0.40	3.33	0	70.3	26.6	117	2.23	24.2	
Phenol	2.678	mg/Kg	0.20	3.33	0	80.4	26.6	105	3.86	29.5	
Pyrene	1.134	mg/Kg	0.20	1.67	0	67.9	25.8	117	4.06	32.1	
1,2,4-Trichlorobenzene	1.345	mg/Kg	0.20	1.67	0	80.6	30.8	119	0.790	19.5	
Sample ID: mb-24561		*MBLK*				Batch ID:	**24561**	Analysis Date:		11/18/2010 10:01:52 AM	
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	0.20								
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	0.25								
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								

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Fan Out Fill-Soil **Work Order:** 1011699

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: mb-24561		*MBLK*				Batch ID:	24561	Analysis Date:	11/18/2010 10:01:52 AM		
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	0.20								
Fluorene	ND	mg/Kg	0.20								
Hexachlorobenzene	ND	mg/Kg	0.20								
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	0.20								
Isophorone	ND	mg/Kg	0.50								
2-Methylnaphthalene	ND	mg/Kg	0.20								
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	0.40								
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-24561		*LCS*				Batch ID:	24561	Analysis Date:	11/18/2010 10:31:29 AM		
Acenaphthene	1.292	mg/Kg	0.20	1.67	0	77.3	40	106			
4-Chloro-3-methylphenol	2.830	mg/Kg	0.50	3.33	0	85.0	31.9	112			
2-Chlorophenol	2.869	mg/Kg	0.20	3.33	0	86.1	31.2	110			
1,4-Dichlorobenzene	1.371	mg/Kg	0.20	1.67	0	82.1	32.5	105			
2,4-Dinitrotoluene	1.840	mg/Kg	0.50	1.67	0	110	38.2	108			S
N-Nitrosodi-n-propylamine	1.211	mg/Kg	0.20	1.67	0	72.5	30.9	98.9			

Qualifiers:

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

QA/QC SUMMARY REPORT

Client: Western Refining Southwest, Gallup
Project: Fan Out Fill-Soil **Work Order:** 1011699

Analyte	Result	Units	PQL	SPK Va	SPK ref	%Rec	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Method: EPA Method 8270C: Semivolatiles											
Sample ID: lcs-24561		*LCS*				Batch ID:	**24561**	Analysis Date:	11/18/2010 10:31:29 AM		
4-Nitrophenol	3.687	mg/Kg	0.20	3.33	0	111	32.4	114			
Pentachlorophenol	2.381	mg/Kg	0.40	3.33	0	71.5	30.4	101			
Phenol	2.716	mg/Kg	0.20	3.33	0	81.6	27.9	105			
Pyrene	1.184	mg/Kg	0.20	1.67	0	70.9	31.9	103			
1,2,4-Trichlorobenzene	1.436	mg/Kg	0.20	1.67	0	86.0	33.1	112			
Sample ID: 1011699-01Ams		*MS*				Batch ID:	**24561**	Analysis Date:	11/18/2010 1:01:51 PM		
Acenaphthene	1.164	mg/Kg	0.20	1.67	0	69.7	33.2	123			
4-Chloro-3-methylphenol	2.573	mg/Kg	0.50	3.33	0	77.3	17.4	119			
2-Chlorophenol	2.746	mg/Kg	0.20	3.33	0	82.5	25.3	117			
1,4-Dichlorobenzene	1.233	mg/Kg	0.20	1.67	0	73.9	24.6	111			
2,4-Dinitrotoluene	1.634	mg/Kg	0.50	1.67	0	97.8	29.4	137			
N-Nitrosodi-n-propylamine	1.109	mg/Kg	0.20	1.67	0	66.4	26.9	109			
4-Nitrophenol	3.218	mg/Kg	0.20	3.33	0	96.6	13.7	165			
Pentachlorophenol	2.290	mg/Kg	0.40	3.33	0	68.8	26.6	117			
Phenol	2.576	mg/Kg	0.20	3.33	0	77.4	26.6	105			
Pyrene	1.181	mg/Kg	0.20	1.67	0	70.7	25.8	117			
1,2,4-Trichlorobenzene	1.356	mg/Kg	0.20	1.67	0	81.2	30.8	119			

Qualifiers:

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

Hall Environmental Analysis Laboratory, Inc.

Sample Receipt Checklist

Client Name WESTERN REFINING GALLU

Date Received: 11/17/2010

Work Order Number 1011699

Received by: AT

Sample ID labels checked by: NG / Initials

Checklist completed by: Michelle Gia (Signature) 11/17/10 (Date)

Matrix:

Carrier name: Client drop-off

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☐	Not Shipped ☑
Custody seals intact on sample bottles?	Yes ☑	No ☐	N/A ☐	
Chain of custody present?	Yes ☑	No ☐		
Chain of custody signed when relinquished and received?	Yes ☑	No ☐		
Chain of custody agrees with sample labels?	Yes ☑	No ☐		
Samples in proper container/bottle?	Yes ☑	No ☐		
Sample containers intact?	Yes ☑	No ☐		
Sufficient sample volume for indicated test?	Yes ☑	No ☐		
All samples received within holding time?	Yes ☑	No ☐		Number of preserved bottles checked for pH:
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 ☐	*<2 >12 unless noted below.*
Container/Temp Blank temperature?	**1.0°**	*<6° C Acceptable* If given sufficient time to cool.		

COMMENTS:

Client contacted _____ Date contacted: _____ Person contacted _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action _____

Chain-of-Custody Record

Client: WESTERN-REFINING
Gallup Refinery
Mailing Address: RT 3 Box 7
Gallup NM 87301
Phone #: 505 722 3833
email or Fax#: 505 722 0210

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

Turn-Around Time:
☐ Standard ☒ Rush

Project Name: FAN OUT Fill-SOIL
Project #: Fill Soil Loc 1,2,3,4,
Project Manager: THURMAN LARSEN
Sampler: ALVIN DORSEY
On Ice: ☒ Yes ☐ No
Sample Temperature: 1.0

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. Lab Order	BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)					Air Bubbles (Y or N)
11-16-10	1335	SOIL	Fill soil Loc 1	8oz JAR-3	NONE	-1				X						X	X					
11-16-10	1347	SOIL	Fill SOIL Loc 2	8oz JAR-3	NONE	-2				X						X	X					
11-16-10	1355	SOIL	Fill Soil Loc 3	8oz JAR-3	NONE	-3				X						X	X					
11-16-10	1415	SOIL	Fill Soil Loc 4	8oz JAR-3	NONE	-4				X						X	X					

Date:	Time:	Relinquished by:	Received by:	Date	Time
11-17-10	0900	[signature]	[signature]	11/17/10	0930
Date:	Time:	Relinquished by:	Received by:	Date	Time
			[signature]	11/17/10	1220

Remarks:

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